
From: Kuwaye,Susan S on behalf of Kightlinger,Jeffrey
Sent: Wednesday, February 19, 2003 9:45 AM
To: Thomas,Brian G
Subject: FW: From Scott Slater
Attachments: SB-#323773-v1-SDCWA__Exchange_Deal_Points.DOC

FYI - San Diego's latest proposal.

Jeff

-----Original Message-----

From: Pam Wilson [<mailto:PWilson@HatchParent.com>]
Sent: Wednesday, February 19, 2003 8:51 AM
To: Richard Katz (E-mail); 'hannigan@water.ca.gov'; 'linda.adams@gov.ca.gov';
'bill.ryan@gov.ca.gov'
Cc: Paul Cunningham (E-mail); Carl Kaseman (E-mail); Jeffrey Kightlinger (E-mail); Dennis Underwood (E-mail); Maureen Stapleton (E-mail); Jim Taylor (E-mail); Bob Campbell (E-mail)
Subject: From Scott Slater

The attached is from Scott Slater, sent with the proviso that it has not been reviewed by his client.

Sincerely,

Pam Wilson
Assistant to Scott S. Slater
Hatch & Parent
21 E. Carrillo Street
Santa Barbara, CA 93101
(805) 882-1480 (Direct)
(805) 965-4333 (Fax)
PWilson@HatchParent.com

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<<SB-#323773-v1-SDCWA__Exchange_Deal_Points.DOC>>

MWD2010-00446358

**SDCWA Proposal to Address Exchange Agreement Issues:
PVID Costs and Term (Years 31-45)
Non-Renewal Proposal**

PVID

1. SDCWA relinquishes claim to 390,000 acre-feet of water to be made available to PVID by MWD.
2. SDCWA will assume the risk and responsibility for making further investments in independent water supplies so as to make-up for the shortfall in deliveries in the IID deliveries of water to SDCWA. (Approximately 1.2 million acre-feet as per the October 15, 2002 Hertzberg term sheet).
3. SDCWA will pursue the purchase of State Water Project entitlement (water and capacity) from an existing State Water Project Contractor.
4. SDCWA will assume the full financial burden associated with the ongoing operation and maintenance of any supply acquired.
5. If SDCWA reaches an agreement for the purchase of entitlement MWD will waive any right to object to SDCWA's purchase of entitlement and the delivery of water into the MWD service territory arising under its SWP Contract and other applicable law. (See e.g. Contract Article X, waive service duplication arguments.)
6. If SDCWA purchases SWP entitlement, MWD will agree to exchange water made available by SDCWA under its State Water Contract as follows:
 - (a) State Project etc. Treated as Conserved Water: MWD will agree to exchange any water made available to it by SDCWA under the SWP (inclusive of non-project water properly acquired) for the benefit of SDCWA as if it were Conserved Water under the Exchange Agreement.

- (b) Quantities: MWD's obligation to exchange SWP water under the Exchange Agreement will be "as if" the SWP water was "Conserved Water" is expressly limited to the quantities set forth in the original Exchange Agreement. This means that MWD's obligation to exchange water would be no greater than the sum of: (i) the water available by the IID/SDCWA Transfer and (ii) the SWP water. (Approximately 5.1 million acre-feet over 30 years: 3.8 from IID and up to 1.3 from the SWP).
- (c) Price: If SDCWA makes the water available to MWD at its service territory boundary then MWD will exchange the water at the Contract Price (exchange fee). If SDCWA makes the water available at a location in the SWP delivery system in which MWD has capacity, MWD will agree to exchange the water at the Contract Price (exchange fee) plus any incremental power associated with the difference between the cost of power on the SWP system and the Colorado River Aqueduct.
7. The SWP purchased by SDCWA will be considered "local water" under MWD rules and regulations as if it were IID water. MWD will not assign RTS, system access, water stewardship charges etc. The local water will not be subject to allocation or cause a reduction in water delivered to SD under the "wisdom" plan.
8. The Director of the California Department of Water Resources will approve SDCWA's purchase of entitlement.
9. MWD and CVWD will vote in favor of any action properly before the State Water Contractors, if any, requiring approval of State Water Project Contractors for SDCWA to secure the entitlement and implement these deal points.

Rationale:

- *Provides a return of value to MWD (390,000 acre feet)*

- *Addresses the expressed concern that SDCWA is getting an enhanced subsidy from other MWD member agencies when it takes PVID water.*
- *Ensures that MWD's receipt of \$235 million is fairly matched to the burden being assumed by MWD.*
- *Requires SDCWA to assume the risk and responsibility for procuring an independent water supply.*
- *Adds to MWD's service territory options and reliability without further cost to MWD.*

Term

1. For years 31-45, SDCWA will request MWD to establish an exchange fee for the Conserved Water SDCWA makes available under the IID/SDCWA Agreement in accordance with the applicable class of service under the then prevailing law.
 - (a) SDCWA will submit the request to MWD within such time as will ensure that MWD may provide its determination before Agreement Year 14.
 - (b) SDCWA will have the right to have the California Department of Water Resources to conduct a review the exchange fee established by MWD and to independently determine whether the exchange fee as determined by Metropolitan or some other fee constitutes "fair compensation" for the use of the Colorado River under the relevant facts and circumstances.
 - (c) If the financial equivalency of the exchange fee established by an independent DWR review is no greater than 15% of the lawful wheeling rate (generally equivalent to the continuation of the exchange rate identified in the Exchange Agreement) described in the IID/SDCWA Transfer, then SDCWA will agree to pay the exchange fee and not exercise any right of

termination under the Fourth Amendment to the Transfer Agreement.

- (d) If the exchange fee is greater than a 15% increase in excess of the lawful wheeling rate, SDCWA will have discretion as to pay the increased fee or exercise its right of termination under the Fourth Amendment.
2. SDCWA will consent to a determination by MWD that it wishes to have these provisions codified.
3. SDCWA will agree not to pursue or advocate other legislation to modify the above referenced procedures.

Non-Renewal Agreement

1. In the event of non-renewal, SDCWA will agree that it will pay an exchange fee or wheeling rate established by the MWD Board of Directors for the applicable class of service under the then prevailing law.
2. MWD water supplies and water made available under the QSA and Related agreements will have priority over non-QSA and Related Agreement parties.
3. SDCWA will provide MWD with reasonable advance notice as to its intentions regarding the exercise of the right of first refusal under the Fourth Amendment to the Transfer Agreement so that MWD may properly design, plan and implement its water supply projects and agreements.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

P.O. Box 54153, Los Angeles, California 90054-0153
700 North Alameda Street, Los Angeles, California 90012
Phone: 213 / 217-6308 FAX 213 / 217-6950

Office of the General Counsel



FAX TRANSMITTAL

✓MAS
DC
(Frahm (fax))
GH
KW
BV
AChen (fax)

DATE AND TIME: *August 17, 2004 8:55 AM*

TO: *Dan Hentschke*

FAX NUMBER: *858-522-6566*

FROM: *Jeffrey Kightlinger*

FAX NUMBER: *213-217-6950*

TOTAL NUMBER OF PAGES, INCLUDING THIS COVER PAGE **4**

If you do not receive all the pages indicated, please call Edith at 213 / 217-6328

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**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Office of the General Counsel

August 16, 2004

Daniel S. Hentschke
 General Counsel
 San Diego County Water Authority
 4677 Overland Avenue
 San Diego, CA 92123

BY FAX AND REGULAR MAIL

Gerald D. Shoaf
 General Counsel
 Eastern Municipal Water District
 Redwine & Sherrill
 1950 Market Street
 Riverside, CA 92501

DAN & GERRY
 Dear Messrs. Hentschke and Shoaf:

This is in response to your letter dated August 13, 2004, in which you assert that the Rate Structure Integrity language being proposed for inclusion in all future Local Resources Program ("LRP"), Conservation Credits Program and Desalination Program agreements entered into between Metropolitan and its Member Agencies is unlawful.

According to your letter, the proposed language "conditions provision of Metropolitan services to its member agencies (its ratepayers) on waiver of fundamental rights protected by the First Amendment of the United States Constitution." More specifically, your letter asserts that Member Agencies are being asked to forfeit their "right to seek judicial review or legislative redress of" Metropolitan's existing rate structure as a condition of receiving financial support for their local water supply program. Citing Robbins v. Superior Ct., 38 Cal. 3d 199, 213 (1985), your letter goes on to state that this violates the doctrine of unconstitutional conditions, which "prevents the government from requiring persons to give up rights granted by the Constitution in exchange for receipt of a government benefit."

We disagree. Contrary to what your letter assumes, the financial support Metropolitan provides to its Member Agencies is not the type of public benefit to which the doctrine of unconstitutional conditions applies. In that regard, all of the cases upholding this doctrine have involved a governmental entity attempting to restrict access to traditional benefits that are available to the general public. See, e.g., Danskin v. San Diego Unified School Dist., 28 Cal. 2d 536 (1946) (public forum access); Bagley, 65 Cal. 2d at 505 (public employment); Parrish v. Civil Serv. Comm'n, 66 Cal. 2d 260 (1967) (welfare benefits); Atkisson v. Kern County Housing Auth., 59 Cal. App. 3d 89 (1976) (public housing); Thornton v. Department of Human Res.

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Gerald D. Shoaf

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Dev., 32 Cal. App. 3d 180 (1973) (unemployment benefits); Binet-Montessori, Inc. v. San Francisco Unified Sch. Dist., 98 Cal. App. 3d 991 (1979) (use of public property).

At issue here is the disbursement of funds by Metropolitan to its Member Agencies in support of local programs that help reduce the demand for water from Metropolitan. This is not a benefit being provided to the public at large, but rather is a financial incentive available only to Member Agencies or through Member Agencies. Moreover, these funds are not provided to all Member Agencies on an unrestricted basis. Rather, these funds are limited in nature and are distributed solely on a competitive basis to those Member Agencies whose local programs (a) meet certain technical objectives and criteria, and (b) have the greatest likelihood of success in producing new local resources and less future reliance on Metropolitan's imported water supplies.

Likewise, Member Agencies are not being asked to forfeit any fundamental First Amendment rights in exchange for such funding. They are merely being asked to forego commencing a legal or legislative action challenging the district's existing rate structure. See Section 7, Rate Structure Integrity Language ¶ 2. Member Agencies who accept such funding remain free to challenge Metropolitan's existing rate structure via the normal Board process, and to challenge any material changes to the existing rate structure via whatever means are available. Such Member Agencies also remain free to commence a legal action against Metropolitan "should Metropolitan, in setting rates under Existing Rate Structure, fail to comply with public notice, open meeting, or other legal requirements associated with the process of setting water rates and related taxes, fees and charges." Id.

Thus, contrary to what your letter claims, the inclusion of Rate Structure Integrity language in future funding agreements would not "effectively foreclose any realistic opportunity for an errant decision to receive appropriate third party scrutiny, violating a fundamental tenet of American justice." Moreover, carried to its logical extreme, your assertion would mean that governmental agencies could *never* enter into contracts with binding arbitration provisions, liquidated damages clauses or any similar types of terms, because in doing so those entities necessarily would be limiting their First Amendment rights to petition the court for redress. Clearly, this is not the case.

Furthermore, even if the disbursement of these funds could somehow be construed as a "public benefit," requiring Member Agencies to agree to the conditions set forth in Rate Structure Integrity language as a prerequisite to receiving such funds comports with the three pronged-test set forth in Robbins. Where a governmental entity seeks to condition the receipt of a public benefits on the waiver of a constitutional right, that entity must show that: "(1) the

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Gerald D. Shoaf
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condition reasonably relates to the purposes of the legislation that confers the benefit; (2) the value accruing to the public from the imposition of the condition manifestly outweighs any resulting impairment of the constitutional right; and (3) there are no available alternative means that could maintain the integrity of the benefits program without severely restricting a constitutional right." 38 Cal. 3d at 213 (1985).

First, the requirement that Member Agencies receiving funds for local projects forego their right to challenge Metropolitan's existing rate structure in court is aimed at preserving the integrity of the very mechanism by which the funds for such projects are collected. Thus, this requirement "reasonably relates to the purposes of the legislation that confers the benefit."

Second, unlike most cases where there is little or no legitimate reason for conditioning the receipt of a public benefit on the relinquishment of a constitutional right, here the benefit of preserving the integrity of Metropolitan's existing rate structure is undeniable. As stated in the Rate Structure Integrity language itself:

Metropolitan's rate structure as of January 1, 2004 ("Existing Rate Structure") provides the revenue necessary to support development of the new water supplies by local agencies through incentive payments in the Local Resource Program (LRP), Conservation Credits Program, and the Desalination Program. In particular, the Water Stewardship Rate is the component of Existing Rate Structure that provides revenue for the LRP, Conservation Credits Program, and the Desalination Program.

See Section 7, Rate Structure Integrity Language, ¶ 1.

In the absence of a stable rate structure, Metropolitan could not and would not be assured of having the funds necessary to support local water development programs. As such, the value accruing to Members Agencies from the inclusion of Rate Structure Integrity language in future LRP, Conservation Credits Program, and Desalination Program agreements manifestly outweighs any resulting impairment of their ability to challenge Metropolitan's existing rate structure.

Third, the proposed Rate Structure Integrity language, as currently drafted, is narrowly tailored to meet the goal of protecting the funding source for the LRP, Conservation Credits Program, and Desalination Program. Its prohibition against challenging Metropolitan's rate structure applies only to (a) a legal or legislative action (b) that seeks to challenge or modify the district's existing rate structure (c) which is commenced by a Member Agency that receives

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Metropolitan funding in support of a local water development program. See Section 7, Rate Structure Integrity Language, ¶ 2.

Your letter also states that "to the extent the proposed language exempts Metropolitan from its own statutory violations, the proposal is against public policy and is potentially invalid under California Civil Code Section 1668. . . . For example, Metropolitan could not validly terminate an Agency's LRP agreement if that agency or other challenged Metropolitan rates on the ground that a rate-setting took place during an improperly noticed meeting, or violated some other procedural grounds."

It suffices to say that we do not believe that the proposed Rate Structure Language "exempts" Metropolitan from any statutory violations, nor do you cite any examples of how it purports to do so. Indeed, as already discussed, the proposed Rate Structure Integrity language specifically states that Member Agencies are free to commence a legal action "should Metropolitan, in setting rates under Existing Rate Structure, fail to comply with public notice, open meeting, or other legal requirements associated with the process of setting water rates and related taxes, fees and charges."

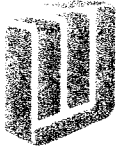
In closing, we believe that inclusion of the proposed Rate Structure Integrity language in all future LRP, Conservation Credits Program and Desalination Program agreements entered into between Metropolitan and its Member Agencies is lawful. As such, in our view this language is a legislative policy matter to be debated on and ultimately decided in the Board room - not the courtroom.

Sincerely,



Jeffrey Kightlinger
General Counsel

Cc: Board of Directors
R. Gastelum
Member Agency Counsel



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Executive Office

August 2, 2005

Mr. Ken Weinberg
Director of Water Resources
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233

Dear Mr. Weinberg:

Commercial, Industrial & Institutional (CII) Conservation Credits Program Agreement

We recently received your signed, modified version of Metropolitan's CII Program master agreement. Metropolitan is unable to execute your agreement because your modified version departs from the uniform rate structure integrity provision required by Metropolitan's Board of Directors for all new incentive program agreements with the member agencies. You also sent two invoices totaling \$183,650 for January through June 2005 CII conservation actions and incentives that would potentially be covered under Metropolitan's standard CII master agreement (currently not executed), which we sent to you for execution in February 2005. We cannot accept or pay the invoices because we have not entered into an agreement for these conservation actions.

To complete the agreement process, I have enclosed three duplicate originals, which include rate structure integrity language, for your signature. After signing them, please forward them to the attention of Mr. Jose Vergara of our office for execution by Metropolitan. Upon execution, we will provide two originals to you.

We look forward to continuing our successful partnership in water conservation. If you have any questions or comments regarding this agreement, please contact Mr. Jose Vergara at (213) 217-6548, or via email at jvergara@mwdh2o.com.

Very truly yours,

Stephen N. Arakawa
Manager, Water Resource Management

JV:adminwrm

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Enclosures

AGREEMENT NO. 66654

FY 2005/15

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA'S
COMMERCIAL/INDUSTRIAL/INSTITUTIONAL WATER CONSERVATION ITEM
FUNDING AGREEMENT**

BETWEEN

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

AND

SAN DIEGO COUNTY WATER AUTHORITY

MWD2010-00012933

AGREEMENT NO. 66654

FY 2005/15

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA'S
COMMERCIAL/INDUSTRIAL/INSTITUTIONAL WATER CONSERVATION ITEM
FUNDING AGREEMENT**

BETWEEN

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
AND
SAN DIEGO COUNTY WATER AUTHORITY**

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Exhibits

- Exhibit A. Metropolitan CII Program Incentives
- Exhibit B. Additional CII Incentives by Member Agency
- Exhibit C. Member Agency Not Using Metropolitan's Vendor

AGREEMENT NO. 66654

FY 2005/15

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA'S
COMMERCIAL/INDUSTRIAL/INSTITUTIONAL WATER CONSERVATION ITEM
FUNDING AGREEMENT**

BETWEEN

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

AND

SAN DIEGO COUNTY WATER AUTHORITY

THIS AGREEMENT (Agreement) is made and entered into as of January 1, 2005 by and between The Metropolitan Water District of Southern California (Metropolitan) and San Diego County Water Authority, a member public agency of Metropolitan, hereinafter referred to as Member Agency. Metropolitan and Member Agency may be collectively referred to as "Parties" and individually as "Party."

Recitals

- A. Pursuant to Board Letter 9-1, dated January 13, 2004, Metropolitan adopted a long-term regional Commercial/Industrial/Institutional (CII) conservation retrofit program (Program). Under the Program, Metropolitan entered into an agreement with a Vendor to provide centralized marketing and incentive administration to its Member Agencies' end use CII customers. The Program also provides an option for Member Agency to implement retrofits on their own without Metropolitan's Vendor.
- B. Under the Program, Metropolitan has established fixed-rate incentives for a number of water-conservation retrofits implemented by commercial, industrial and institutional users of municipal water supplies within Metropolitan's service area. Metropolitan expects to establish incentives in the future for additional water conservation retrofits and may also change existing funding rates. Metropolitan has fiscal responsibility to manage its budget, and hence may limit availability of funds or the number of items that qualify for funding.
- C. At its sole discretion, Member Agency can also choose to supplement Metropolitan's incentives.

NOW, THEREFORE, in consideration of the promises and covenants hereinafter set forth, the Parties do agree as follows:

Section 1. Agreement Term

- 1.1 This Agreement will be effective on January 1, 2005, and shall terminate on December 31, 2015 (Term). Continuance of this Agreement will be subject to annual budget approval by Metropolitan's Board.
- 1.2 This Agreement may be amended at any time by written mutual agreement executed by both of the Parties.
- 1.3 This Agreement may be terminated by either Party for any reason after 30 days written notice to the other Party as provided in Section 8. Within 90 days of the termination date, Metropolitan will provide a Final Program Report to Member Agency.

Section 2. Agreement Administrators

- 2.1 Mr. Jose Vergara is appointed Agreement Administrator for Metropolitan for the purpose of administering this Agreement and making any decisions in connection therewith on behalf of Metropolitan. Concerns regarding the Program should be addressed to Mr. Vergara.
- 2.2 Ms. Rose Smutko is appointed Agreement Administrator for Member Agency for the purpose of administering this Agreement and making any decisions in connection therewith on behalf of Member Agency.
- 2.3 The designated Agreement Administrators may be changed by providing written notice to the other Party as outlined in Section 8.

Section 3. Reporting Requirements

- 3.1 Metropolitan shall provide Member Agency with an annual Program report that includes a summary of Program activity within Member Agency's and its participating retail agencies' service areas.
- 3.2 Metropolitan shall provide Member Agency with Program activity data within Member Agency and its participating agencies' service area through designated on-line access to reports.

Section 4. Installation Verification

- 4.1 Metropolitan, at its own expense, shall conduct an independent verification of fixture retrofits and conduct interviews with end-use CII customers regarding their experience with the Program to randomly selected Program participants throughout Metropolitan's service area.

Section 5. Incentive Amount and Payment

- 5.1 Under the Program, Metropolitan has established fixed-rate financial incentives for a number of water-using devices as shown in **Exhibit A** and Member Agency has established additional incentives as shown in **Exhibit B**, which exhibits are attached hereto and incorporated herein by this reference. The combined financial incentives from **Exhibits A and B** per device will be paid by Metropolitan to Member Agency's CII customers for accomplished installations, compliant with Metropolitan's Program.
- 5.2 Metropolitan, through its Board, expects to establish incentives in the future for additional water conservation retrofits and may also change existing incentive rates. Metropolitan has fiscal responsibility to manage its budget, and hence may limit availability of funds or the number of items that qualify for incentives. To the extent Metropolitan's Board determines to change or eliminate the existing incentives listed in **Exhibit A**, an Addendum to **Exhibit A** will be issued from Metropolitan and that Addendum will identify the changes as of the Addendum's effective date.
- 5.3 At its sole discretion, Member Agency may choose to supplement Metropolitan's incentives. Member Agency's supplemental incentives are identified in **Exhibit B** and may be revised by addendum upon written notice from Member Agency to Metropolitan at any time during the term of this Agreement. Every **Exhibit B** Addendum shall constitute the respective agency's entire financial commitment under this Agreement and shall fully replace the prior **Exhibit B**. Revisions may apply only to the service areas of certain retail agencies within Member Agency or to the Member Agency's entire service area. It is the responsibility of Member Agency to identify boundaries of the respective service areas it proposes in an **Exhibit B** addendum in a format that supports practical implementation of the Program. Upon receipt of an **Exhibit B** addendum, Metropolitan, shall establish an effective date for implementing the changes if in its sole determination it concludes that the changes are consistent with its program implementation approach. Metropolitan shall notify Member agency of its determination and the effective date of every **Exhibit B** addendum it receives.
- 5.4 After incentives pursuant to **Exhibit B** are issued by Metropolitan to customers in Member Agency's service territory, a debit of equal amount will be posted on Member Agency's ensuing water bill from Metropolitan. If there is subsequently a correction, it will be posted on an ensuing Member Agency water bill from Metropolitan.

Section 6. Responsibilities and Ownership

- 6.1 Member Agency elects to participate in Metropolitan's Program to provide financial incentives for water-efficient devices within its service area. This Agreement identifies the specific incentive amounts that are in effect in the individual Member Agency's service territory.
- 6.2 If Member Agency elects not to use Metropolitan's Vendor but rather will administer the Program itself or through its own vendor, the provisions in **Exhibit C** will apply.
- 6.3 Member Agency agrees to allow Metropolitan and Vendor to market and administer commercial incentives in its service territory and assist Vendor in implementing Program

in their area. Marketing activities undertaken by the Vendor specific to a Member Agency are subject to the approval of the Member Agency.

- 6.4 Metropolitan and Member Agency each agree that it is responsible for its own actions under this Agreement; agree to indemnify and hold the other party and their officers and agents harmless; and agree to defend the other party against any claim or asserted liability arising out of its actions, either willful or negligent, or its actions in implementing the program (including, but not limited to, any claims or liability for injury or death to any person, damage to property, natural resources or the environment, or water quality problems). Such indemnity will include any losses relating to any claim made whether or not a court action is filed, and will include attorney's fees, and administrative and overhead costs related to or arising out of such claim or asserted liability.

Section 7. Rate Structure Integrity

- 7.1 Member Agency agrees and understands that Metropolitan's rate structure as of January 1, 2004 ("Existing Rate Structure") provides the revenue necessary to support the development of new water supplies by local agencies through incentive payments in the Local Resources Program (LRP), Conservation Credits Program (CCP), and the Seawater Desalination Program (SDP). In particular, the Water Stewardship Rate is the component of Existing Rate Structure that provides revenue for the LRP, CCP and SDP. Further, Member Agency acknowledges that Existing Rate Structure and all components within that rate structure were developed with extensive public input and member agency participation, and that the elements of Existing Rate Structure have been properly adopted in accordance with Metropolitan's rules and regulations.
- 7.2 (a) Member Agency agrees that Metropolitan's rates set under the Existing Rate Structure may be reset throughout the term of this Agreement to account for the cost of service, and that Member Agency will address any and all future issues, concerns and disputes relating to Existing Rate Structure, through administrative opportunities available to them pursuant to Metropolitan's public board process. As such, Member Agency agrees if they file or participate in litigation or support legislation to challenge or modify Existing Rate Structure, including changes in overall rates and charges that are consistent with the current cost-of-service methodology, Metropolitan may initiate termination of this agreement consistent with Section 7.4 below. Metropolitan agrees that any change in Existing Rate Structure, including changes in cost-of-service philosophy or methodology would be enacted only after collaboration and discussion with its member public agencies, and Metropolitan's public board review and approval process.
- (b) Notwithstanding the foregoing, Member Agency retains the right to file and/or participate in litigation and/or to support legislation without triggering the termination of this agreement if there are material changes to Existing Rate Structure or changes in cost-of-service methodology used to set rates by future Metropolitan board action. Member Agency also retains the right to file and/or support litigation should Metropolitan, in setting rates under Existing Rate Structure, fail to comply with public notice, open meeting, or other legal requirements associated with the process of setting water rates and related taxes, fees, and charges. Member Agency agree that they will not file or participate in

litigation, nor will they support legislation affecting Metropolitan's rate structure after any such change in rate structure or violation of the law regarding rate setting processes until, and unless, they have exhausted all administrative opportunities available to them pursuant to Metropolitan's public board process.

- 7.3 Member Agency agrees that all users of the Metropolitan conveyance and distribution system should support the LRP, CCP, and SDP, that such projects provide benefits to Metropolitan and the users of the system by making existing distribution and conveyance capacity available for additional delivery, and that under Existing Rate Structure, the Water Stewardship Rate is an element of charges properly adopted by the Metropolitan Board and properly applied to water wheeled through the Metropolitan conveyance and distribution system.
- 7.4 Should Member Agency file or support litigation, or sponsor or support legislation, that would challenge or be adverse to Existing Rate Structure, as described in Paragraph (a) of Section 7.2, Metropolitan's Chief Executive Officer may file a 90-day notice of intent to terminate this Agreement with Metropolitan's Executive Secretary, with copies to all members of Metropolitan's Board of Directors, and contemporaneously provide Member Agency with a copy of the notice. Within 30 days of receipt of such notice, Member Agency shall have the right to request, in writing, mediation of the dispute by a neutral third party with expertise in finance and rate setting. The mediator shall be selected by agreement of the parties, or failing agreement within 60 days of such request for mediation, a mediator shall be selected by the Metropolitan Board of Directors from a list of at least four candidates, one each from Member Agency, and two of which will be supplied by Metropolitan's Chief Executive Officer. The cost of the mediation shall be borne equally by the parties. The request for mediation shall also serve to stay the 90-day notice of intent to terminate, but for no more than 90 days beyond the filing of the notice of request for mediation, unless otherwise agreed in writing by the parties. If mediation does not result in an agreement acceptable to each party to this Agreement within the time provided herein, the notice of intent to terminate shall be reinstated. The Metropolitan Board of Directors shall act to approve or disapprove termination of this Agreement, and all of Metropolitan's obligations hereunder shall terminate if approved, on or before the ninetieth day following filing of the notice to terminate or, if mediation has been requested as described above, the ninetieth day following the request for mediation (or other date agreed in writing by the parties.)
- 7.5 Metropolitan and Member Agency agree that should litigation or legislation brought forth or sponsored by third parties result in changes to Existing Rate Structure, this Agreement will continue in effect unless mutually agreed in writing by the parties.
- 7.6 Should Metropolitan and its member agencies agree on an alternative rate and revenue structure that obviates the need for this section on Rate Structure Integrity, this section shall be amended or deleted to conform to such action.

Section 8. Notice

8.1 Any communication required to administer this Agreement shall be in writing and will be deemed received upon personal delivery or 48 hours after deposit in any United States mail depository, first class postage prepaid, and addressed to the Party for whom intended, as follows:

If to Metropolitan: The Metropolitan Water District of Southern California
Post Office Box 54153
Los Angeles, CA 90054-0153
Attention: Mr. Jose Vergara

If to Member Agency: San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233
Attention: Ms. Rose Smutko

Either Party may change such address or Agreement Administrators by giving notice to the other Party as provided herein.

Section 9. Other Terms

- 9.1 Any alteration or variation of the terms of this Agreement will not be valid unless made in writing and signed by both Parties.
- 9.2 This Agreement will inure to the benefit of and be binding upon Metropolitan, Member Agency, and their respective successors.
- 9.3 The partial or total invalidity of one or more parts of this Agreement will not affect the intent or validity of this Agreement.
- 9.4 This Agreement will be deemed a contract made under the laws of the State of California, and for all purposes will be interpreted in accordance with such laws. Metropolitan and Member Agency hereby agree and consent to the exclusive jurisdiction of the courts of the State of California, and that the venue of any action brought hereunder will be in Los Angeles County, California.
- 9.5 This Agreement constitutes the entire agreement between both Parties.

Section 10. Evaluation, Audit and Record Retention

10.1 Metropolitan and Member Agency agree to provide access to their and their authorized representatives' books, documents, papers, computer files and records that are directly pertinent to this Agreement for the purpose of making Program evaluation, audit, examination, excerpts, and transcriptions. Metropolitan and Member Agency will retain all required records for a period of three Fiscal Years following termination of this Agreement.

//
//
//

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

APPROVED AS TO FORM:

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Jeffery Kightlinger
General Counsel

Dennis B. Underwood
CEO/General Manager

By: _____
Senior Deputy, General Counsel

By: _____
Stephen N. Arakawa, Manager
Water Resource Management

Date: _____

Date: _____

APPROVED AS TO FORM:

SAN DIEGO COUNTY WATER
AUTHORITY

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

In Triplicate

o:\als\Contract\AGREE\CII\CII, Amends, ltrs & contracts\SDCWA CII Master Agreement

Metropolitan Commercial/Industrial/Institutional Program Incentives

Water-Efficient Device/Equipment	Incentive/device
ULF Toilets (includes flush-valve and gravity type) ¹	\$60
Dual-Flush (DF) Toilets ²	\$80
Urinals (water efficient ³ / non –water consuming) ⁴	\$60
X-Ray Re-circulation System ⁵	\$2,000
Cooling Tower Conductivity Controller (CTCC) ⁶	\$500
High Efficiency Commercial Clothes Washer ⁷	\$100
Water Broom ⁸	\$100
Pre-Rinse Self-Closing Spray Head ⁹	\$50

¹ Qualifying ULF Toilets have a maximum flush of 1.6 gallons/flush (per ANSI).

² Qualifying DF Toilets have a maximum flush of 1.6 gallons/flush and a reduced flush mode of 1.1 (per ANSI).

³ Qualifying Water Efficient Urinals have a maximum flush of 1.0 gallons/flush.

⁴ Qualifying Non-Water Consuming Urinals convey liquid without the use of water (per ANSI).

⁵ Qualifying X-Ray Re-circulating systems must reduce water usage by 98%.

⁶ Qualifying CTCC must automatically maintain conductivity or TDS level below a user-defined value by actuating the solenoid valve on the bleed line.

⁷ Qualifying HECW's have a water factor of 9.5 or less (per Consortium for Energy Efficiency).

⁸ Qualifying Waterbrooms must be able to use high-pressure, low volume spray using only water with no cleaning agents at an average usage of 0.006 gallons/square feet.

⁹ Qualifying Spray Valves must demonstrate a flow rate that does not exceed 1.6± 0.1 gallons per minute (per CUWCC).

Additional Commercial/Industrial/Institutional Incentive by Member Agency (subagency)

Water-Efficient Device/Equipment	Additional CII Incentive/device (Member Agency/Local Agency)
ULF Toilets (includes flush-valve and gravity type) ¹⁰	\$0
Dual-Flush (DF) Toilets ¹¹	\$0
Urinals (water efficient ¹² / non –water consuming) ¹³	\$0
X-Ray Re-circulation System ¹⁴	\$0
Cooling Tower Conductivity Controller (CTCC) ¹⁵	\$0
High Efficiency Commercial Clothes Washer ¹⁶	\$0
Water Broom ¹⁷	\$0
Pre-Rinse Self-Closing Spray Head ¹⁸	\$0

Up to Total Dollars: \$0/Year _____
 Submitted by (name): _____ Date: _____
 Agreement Administrator Signature: _____
 Member Agency: _____
 Local Agency and service area¹⁹ (if applicable): _____

<p>Metropolitan's Use Only</p> <p>Received by Metropolitan (date): _____</p> <p>Effective date of Exhibit/Addendum: _____</p> <p>Approved by: _____</p>
--

¹⁰ Qualifying ULF Toilets have a maximum flush of 1.6 gallons/flush (per ANSI).
¹¹ Qualifying DF Toilets have a maximum flush of 1.6 gallons/flush and a reduced flush mode of 1.1 (per ANSI).
¹² Qualifying Water Efficient Urinals have a maximum flush of 1.0 gallons/flush.
¹³ Qualifying Non-Water Consuming Urinals convey liquid without the use of water (per ANSI).
¹⁴ Qualifying X-Ray Re-circulating systems must reduce water usage by 98%.
¹⁵ Qualifying CTCC must automatically maintain conductivity or TDS level below a user-defined value by actuating the solenoid valve on the bleed line.
¹⁶ Qualifying HECW's have a water factor of 9.5 or less (per Consortium for Energy Efficiency).
¹⁷ Qualifying Waterbrooms must be able to use high-pressure, low volume spray using only water with no cleaning agents at an average usage of 0.006 gallons/square feet.
¹⁸ Qualifying Spray Valves must demonstrate a flow rate that does not exceed 1.6± 0.1 gallons per minute (per CUWCC).
¹⁹ Please illustrate service area by attaching a map, or a list of cities, or a list of zip codes.

Member Agency Not Using Metropolitan's Vendor

If a Member Agency elects not to use Metropolitan's Vendor, indicate in the box below and sign where indicated. By doing so, Member Agency agrees to the following:

Program Tracking:

Member Agency shall develop, provide and implement a master record-keeping database in Geographic Information Systems (GIS) format, to record and track all elements of the Program, including but not limited to:

- rebate application for tracking purposes
- date of rebate application
- type of participating end user and NAICS code (North American Industry Classification)
- type of facility in which device/equipment was installed (restaurant, market, distribution center, laundromat, etc.)
- end-user (customer) name, billing address including zip code, and contact name and phone number
- retail water agency name and water account number
- Metropolitan member agency name
- installation location address including separate fields for address, city, and zip code.
- Installation location county code
- device/equipment specification (types, brands, models, etc.)
- number of devices/equipment installed at installation location
- acre-feet of water savings (annual and lifetime)
- rebate amounts for each device/equipment and payee name, address, and telephone number; source of rebate funds
- date of rebate check issuance and check number
- any other fields that may be required by Metropolitan (up to 10 additional fields).

Compensation:

Payment to Member Agency will consist of reimbursement of rebates from Metropolitan consistent with Exhibit A and consistent with Section 5: Incentive Amount and Payment of this Agreement. There will be no need for an **Exhibit B** to this Agreement.

Member Agency shall submit invoices to the Agreement Administrator monthly or more frequently if needed, whose mailing address is P.O. Box 54153, Los Angeles, California 90054-0153. Each invoice shall include the following information:

- Member Agency's name and mailing address,
- Metropolitan's name and agreement number
- device and equipment installation totals (current reporting period and total cumulative) segregated by customer category based on the NAICS code (to 4 digits) for each sub-agency and retail agency (if different)
- lifetime acre-feet of water saved (current reporting period and total cumulative)

CII Exhibit C

- rebate applications completed (current reporting period and cumulative)
- rebate amounts paid (current reporting period, total cumulative, amount previously reimbursed by Metropolitan)

Member Agency's invoices shall be signed and certified to be true and correct to the best of Member Agency's knowledge.

Reporting:

Member Agency shall be responsible for the timely submittal to Metropolitan of annual reports and shall include the following:

- a. Annual Report shall summarize all prior-reporting periods, which shall conclude on December 31 of each calendar year. An administrative draft of the first annual report shall be submitted to Metropolitan for review and comment by January 30, 2006. Member Agency shall prepare and submit its final version of the first annual report by February 28, 2006. Similarly, an administrative draft and a final report for each following year's annual report shall be submitted for review and comment by end of January and February respectively of that year.
- b. Annual Reports will include summary information including, but not limited to:
 - 1. device and equipment installation totals segregated by customer category based on the NAICS code (to 4 digits) for each sub-agency and retail agency (if different)
 - 2. lifetime acre-feet of water saved
 - 3. rebate applications completed
 - 4. rebate amounts paid (Member Agency and Metropolitan)

I will not participate in Metropolitan's centralized marketing and incentive program and agree to the above.

APPROVED AS TO FORM:

By: _____

By: _____
General Manager

Date: _____

Date: _____

Metropolitan's Use Only	
Received by Metropolitan (date):	_____
Effective date of Exhibit/Addendum:	_____
Approved by:	_____

206

1000

FedEx USA Airbill
Express

FedEx
Tracking
Number

8457 5888 0160

Sender's Copy

1 From Please print and press hard.

Date 8-3-05 Sender's FedEx Account Number 1023-3290-3

Sender's Name J. VERGARA Phone (213) 217-6400

Company METROPOLITAN WATER DISTRICT

Address 700 N ALAMEDA ST
Dept./Floor/Suite/Room

City LOS ANGELES State CA ZIP 90012-2944

2 Your Internal Billing Reference First 24 characters will appear on invoice. WRMG85US/01021

3 To

Recipient's Name MR. KEN WEINBERG Phone ()

Company SAN DIEGO COUNTY WATER Authority

Address 4677 OVERLAND AVE
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address SAN DIEGO
Dept./Floor/Suite/Room

City SAN DIEGO State CA ZIP 92123-1233

4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas.

FedEx Priority Overnight Next business morning FedEx Standard Overnight Next business afternoon FedEx First Overnight Earliest next business morning delivery to select locations

FedEx 2Day Second business day FedEx Express Saver Third business day

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas.

FedEx 1Day Freight* Next business day FedEx 2Day Freight Second business day FedEx 3Day Freight Third business day

* Call for Confirmation.

5 Packaging * Declared value limit \$500

FedEx Envelope* FedEx Pak* Other

Includes FedEx Small Pak, FedEx Large Pak, and FedEx Surety Pak.

6 Special Handling Include FedEx address in Section 3.

SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes. HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight. HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?

No Yes As per attached Shipper's Declaration Yes Shipper's Declaration not required Dry Ice Dry Ice, 8, UN 1845 x kg

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. Cargo Aircraft Only

7 Payment Billed to: Enter FedEx Acct. No. or Credit Card No. below.

Sender Acct. No. in Section 1 will be billed. Recipient Third Party Credit Card Cash/Check

FedEx Acct. No. Exp. Date
Credit Card No.

Total Packages	Total Weight	Total Declared Value*
		\$ <u> </u> .00

*Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

447

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Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

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MWD2010-00012946



San Diego County Water Authority

4677 Overland Avenue • San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org

May 3, 2010

MEMBER AGENCIES

- Carlsbad Municipal Water District
- City of Del Mar
- City of Escondido
- City of National City
- City of Oceanside
- City of Poway
- City of San Diego
- Fallbrook Public Utility District
- Helix Water District
- Lakeside Water District
- Olivenhain Municipal Water District
- Otay Water District
- Padre Dam Municipal Water District
- Camp Pendleton Marine Corps Base
- Rainbow Municipal Water District
- Ramona Municipal Water District
- Rincon del Diablo Municipal Water District
- San Dieguito Water District
- Santa Fe Irrigation District
- South Bay Irrigation District
- Vallecitos Water District
- Volley Center Municipal Water District
- Vista Irrigation District
- Yuima Municipal Water District

Jeffrey Kightlinger, General Manager
Karen Tachiki, General Counsel
Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153

Re: Request for Negotiation under Paragraph 11.1 of the Amended and Restated Agreement between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water dated October 10, 2003

Dear Mr. Kightlinger and Ms. Tachiki:

As you know, the San Diego County Water Authority has raised objections as to whether the rates and charges Metropolitan adopted on April 13, 2010 are lawful, and it has exhausted all administrative opportunities available to it pursuant to Metropolitan's public board process. The Water Authority provided oral testimony and documents stating the grounds for its objections that were formally made a part of the Metropolitan's record of the rate setting proceedings. The objections were also raised during Metropolitan's informal member agency manager meetings. Notwithstanding the Water Authority's objections, and without discussion of them, at its meeting on April 13, 2010, Metropolitan's Board of Directors took final action to set the water rates and charges, effective January 1, 2011, and January 1, 2012 as described in the email from Brian Thomas, a copy of which is attached to this letter. The Water Authority is unaware of any further requirement or administrative opportunity available to it pursuant to Metropolitan's public board process to contest whether the action taken by Metropolitan's Board of Directors is lawful. Please advise us immediately if such a process exists.

Also, Paragraph 5.2 of the 2003 exchange agreement provides that "the Price shall be equal to the charge or charges set by Metropolitan's Board of Directors pursuant to applicable law and regulation and generally applicable to the conveyance of water by Metropolitan on behalf of its member agencies." Metropolitan has determined the Price under the exchange agreement to be the sum of the System Access Rate, Water Stewardship Rate, and System Power Rate as set by Metropolitan's board. The Water Authority believes that Metropolitan's board has not set its charges pursuant to applicable

OTHER REPRESENTATIVE

- County of San Diego

A public agency providing a safe and reliable water supply to the San Diego region

Jeffrey Kightlinger, General Manager
Karen Tachiki, General Counsel
Re: Request for Negotiation
May 3, 2010
Page 2


law. Paragraph 11.1 of the exchange agreement provides that Metropolitan and the Water Authority will use reasonable best efforts to resolve all disputes, including Price Disputes, arising under the agreement by negotiation before resorting to legal or equitable remedies. Please advise us immediately whether Metropolitan is interested in negotiating this dispute. If Metropolitan chooses not to negotiate, the Water Authority is willing to waive the provisions of paragraph 11.1 for this dispute.

Please provide your response to this letter by May 14, 2010. If we do not receive a response by that date we will reasonably construe your failure to respond as Metropolitan's decision to decline our invitation to negotiate and as a knowing, intentional waiver of the provisions of paragraph 11.1.

Sincerely,



Maureen A. Stapleton
General Manager



Daniel S. Heptschke
General Counsel

Attachment

Lichtenberger, Julia

From: Office of the General Manager [OfficeoftheGeneralManager2@mwdh2o.com]
Sent: Monday, April 26, 2010 4:16 PM
To: ainouye@calleguas.com; Aldrete, Isabel; Chen, Amy; howellr@emwd.org; Arakawa, Stephen N; arta@centralbasin.org; atwater@ieua.org; Bennion, Sydney B; bmace@ci.burbank.ca.us; Chin, Dawn; Chuck Schaich, Admin Anlist, City of Torrance (CSchaich@torrnet.com); Cole, Kathy; Chris.Espinosa@lacity.org; david.freeman@ladwp.com; David Pettijohn; davids@ci.fullerton.ca.us; DCalkins@anaheim.net; dkendall@calleguas.com; Edelen, Nona E; Gaggar Downing, Maria C; Patton, Gail; Gil De Montes, Melani C; gil.borboa@smgov.net; Glisson, Brenda S; Gonzales, Joann; Green, Jim; Hicks, Ralph T; Hiltscher, Brad L; Hines, Steven M; Ivey, Gilbert F; james.mcdaniel@ladwp.com; Jensen, Charlene; John Mundy; nverceles@wmwd.com; kseckel@mwdoc.com; Kwatson@beverlyhills.org; kevin.wattier@lbwater.org; khunt@mwdoc.com; Kightlinger, Jeffrey; kshoghi@comptoncity.org; lclabaugh@wmwd.com; Man, Debra C; Lichtenberger, Julia; munderwood@wmwd.com; Miyashiro, Jody M; Neal, Christina L; njazmadarian@FMWD.com; P Ruge, Western AGM; P. Kavounas, Glendale, City of ; packa@emwd.org; Paludi, Fernando; pcurrie@cityofpasadena.net; pmeszaros@mwdoc.com; rburk@santa-ana.org; rbeste@TorranceCA.Gov; rdavis@ci.burbank.ca.us; richardn@westbasin.org; Richard Hansen, 3VMWD; RRuiz@sfcity.org; Rossi, John - WMWD; Scully, Marcia L; sepstein@beverlyhills.org; skwan@cityofpasadena.net; Smith, Denitra G; stevej@stetsonengineers.com; Tachiki, Karen L; Thomas Erb at LADWP; Thomas, Brian G; todd.brown@amwater.com; Tubbs, Brian A; Upadhyay, Devendra N; Waade, Linda D; Wakiro, Rosalind; Walters, Geraldine J; Wheeler, Margie; Wicke, Jill T; Wolfe, Roy L
Cc: agrunfeld@grunfeldlaw.com; asantiago2@mwdh2o.com; anthonyr fellow@gmail.com; Ballin, Sylvia; Barrio, Virginia N; BilWri@att.net; Blake, James; brbarbre@msn.com; Brick, Timothy F; Pocklington, Bud; dgriset@earthlink.net; DDeJesus@mwdh2o.com; david.fleming@lw.com; dwf920@gmail.com; Dawn Chin (Business Fax); Dick, Larry D; lmnlover@pacbell.net; edwardv@centralbasin.org; Elliott, Deni; Steiner, Fern; mwdsteiner@gmail.com; Glen Peterson; gabrown@prodigy.net; ggrayi@aol.com; mwdggray@gmail.com; Grandsen, Ted; jabdo@msn.com; Jackson, Beverly; James H. Blake (Business Fax); James T. Edwards (Business Fax); Jesus E. Quinonez (jquinonez@holgar.com); JMorris@mwdh2o.com; John V. Foley (Home Fax); jvfoley@cox.net; jmurray@scmbdc.org; Lewinger, Keith; krismurray@sbcglobal.net; lfriedman@ci.glendale.ca.us; lackerman@mwdh2o.com; lindaackerman@cox.net; Heather.Burke@longbeach.gov; medwards@anaheim.net; Margie @ AT&T; Marks, Christa V; MorrisWater@Earthlink.net; Patterson, Roger K; philh@centralbasin.org; Riss, Gerald C; rwunderlich@discoveryecon.com; RRecord@att.net; slowenthal@mwdh2o.com; suja@longbeach.gov; evanswmwd@gmail.com; tpemle@earthlink.net; tbrick@gmail.com; dclark@comptoncity.org; yarceneaux@comptoncity.org
Subject: Water Rates and Charges for 2010/11 and 2011/12
Attachments: 2011-2012 Rates Notification Attachments.pdf

Date: April 26, 2010

To: Member Agency Managers

From: Brian G. Thomas, Assistant General Manager/Chief Financial Officer

Subject: Water Rates and Charges for 2010/11 and 2011/12

At its meeting on April 13, 2010, Metropolitan's Board of Directors set the water rates and charges, effective January 1, 2011, and January 1, 2012, as shown below:

Table 1. Water Rates and Charges

Effective	Jan 1, 2010	Jan 1, 2011	Jan 1, 2012
Tier 1 Supply Rate (\$/AF)	\$101	\$104	\$106
Delta Supply Surcharge (\$/AF)	\$69	\$51	\$58
Tier 2 Supply Rate (\$/AF)	\$280	\$280	\$290
System Access Rate (\$/AF)	\$154	\$204	\$217
Water Stewardship Rate (\$/AF)	\$41	\$41	\$43
System Power Rate (\$/AF)	\$119	\$127	\$136
Full Service Untreated Volumetric Cost (\$/AF)			
Tier 1	\$484	\$527	\$560
Tier 2	\$594	\$652	\$686
Replenishment Water Rate Untreated (\$/AF)	\$366	\$409	\$442
Interim Agricultural Water Program Untreated (\$/AF)	\$416	\$482	\$537
Treatment Surcharge (\$/AF)	\$217	\$217	\$234
Full Service Treated Volumetric Cost (\$/AF)			
Tier 1	\$701	\$744	\$794
Tier 2	\$811	\$869	\$920
Treated Replenishment Water Rate (\$/AF)	\$558	\$601	\$651
Treated Interim Agricultural Water Program (\$/AF)	\$615	\$687	\$765
Readiness-to-Serve Charge (\$M)	\$114	\$125	\$146
Capacity Charge (\$/cfs)	\$7,200	\$7,200	\$7,400

All increases to rate elements adopted on April 13, 2010, will go into effect on January 1, 2011, and January 1, 2012, unless there is a demonstrated need to expedite the 2012 rates effective date to September 1, 2011.

Delta Supply Surcharge

The 2011 rates include a \$51 per acre-foot Delta Supply Surcharge. This surcharge reflects the impact on Metropolitan of the pumping restrictions on the State Water Project. The 2012 Delta Supply Surcharge is \$58 per acre-foot.

Readiness-to-Serve Charge

The Board adopted Resolution 9106 authorizing the Readiness-to-Serve Charge (RTS) Charge. RTS charges for 2010/11 for each agency are shown in **Table 2**. **Tables 3A and 3B** show the ten-year rolling averages of firm demands used to determine each agency's share of the RTS for calendar year 2010 and 2011, respectively. The total RTS for calendar year 2011 is \$125 million, and for calendar year 2012 it is \$146 million. A Resolution for the 2012 RTS adoption will be provided to the Board in March 2011.

Standby Charge

Twenty-two member agencies have a Standby Charge on parcels of land in their service area to offset all or a portion of their RTS obligation. **Table 4** shows the estimated net RTS obligation for each agency after the Standby Charge is applied against the member agency's RTS obligation.

Each member agency must notify Metropolitan of any change in its RTS billing preference (monthly, quarterly, semi-annual) **prior to July 31, 2010**. **Table 5** shows each agency's net RTS payment/(carryover) amounts under the current payment preference.

Capacity Charge

The Board adopted Resolution 9107 authorizing the Capacity Charge. **Table 6** shows each agency's annual maximum daily average flow.

Beginning January 2011, the Capacity Charge of \$7,200 per cubic foot second will be levied based on a given agency's peak summer day deliveries between May 1 and September 30 for the three calendar-year period ending December 31, 2009. Flows measured for the purposes of billing the Capacity Charge include all firm demand and agricultural demands, as well as wheeling service. Water delivered at the Replenishment Rate is not included in the measurement of peak day demand for purposes of billing the Capacity Charge. The Capacity Charge for 2012 is \$7,400 per cubic foot second. A Resolution to adopt the 2012 Capacity Charge will be provided to the Board in March 2011.

A member agency can reduce its Capacity Charge by reducing peak day demands on the system. Each member agency must notify Metropolitan of any change in its Capacity Charge billing preference (monthly, quarterly, semi-annual) **prior to July 31, 2010**.

Purchase Order Status

Twenty-four member agencies have Purchase Orders. A Purchase Order commits a member agency to purchase a fixed amount of supply from Metropolitan over a ten-year period (the Purchase Order Commitment). The Purchase Order Commitment is determined as ten times 60 percent of the member agency's highest annual firm demand from FY1989/90 through FY2001/02. The Purchase Orders have a ten-year term effective January 1, 2003 and ending December 31, 2012. **Table 7** shows each member agency's progress towards fulfillment of their Purchase Order Commitment as of March 2010.

Base Firm Demand

A member agency that signed a Purchase Order may purchase an amount of firm water supply equal to 90 percent of its Base Firm Demand in any given year at the lower Tier 1 Supply Rate. A member agency that does not have a Purchase Order may purchase up to 60 percent of its Base Firm Demand at the lower Tier 1 Supply Rate.

The maximum annual firm demands from fiscal year 1989/90 through June 30, 2002 were used to establish each member agency's Initial Base Firm Demand. The Base Firm Demand is the greater of either the Initial Base Firm Demand or the ten-fiscal-year rolling average (TYRA) of firm demands. **Table 8** shows each member agency's Base Firm Demand for calendar year 2011.

Tier 1 Limits

Table 8 shows each member agency's Tier 1 limits for calendar year 2011. Tier 1 limits have been adjusted for opt-outs under the Interim Agricultural Water Program (IAWP), where applicable. Member agencies that have opted out of the IAWP will see an increase in their Tier 1 limits consistent with the IAWP phase-out provisions adopted by Metropolitan's Board in October 2008. Calendar year 2011 Tier 1 limits are increased by the percent reduction in the IAWP baseline resulting from the opt-outs received through March 2010.

Local Resource Project Effective Rate

For purposes of agreements existing under the Local Resource Program (LRP), Local Project Program, Groundwater Recovery Program and other similar programs, references to the "full service water rate," "full service treated water rate," "treated non-interruptible water rate," or "other prevailing rate" or to the "reclaimed water rate" or "recycled service rate" refers to the following:

The sum of the System Access Rate, Water Stewardship Rate, System Power Rate, the expected weighted average of Tier 1 Supply Rate and Tier 2 Supply Rate (equal to the estimated sales revenues expected from the sale of water at the Tier 1 and Tier 2 Supply Rates divided by total Metropolitan sales in acre-feet expected to be made at the Tier 1 and Tier 2 Supply Rates), the Treatment Surcharge, and the Capacity Charge expressed in dollars per acre-foot.

Effective January 1, 2011, the LRP Effective Rate is \$767 per acre-foot, an increase of \$46 per acre-foot from the current level of \$721 per acre-foot. Effective January 1, 2012, the LRP Effective Rate is \$817 per acre-foot.

To assist you and your staff, Metropolitan has updated its Rate Structure Administrative Procedures Handbook. To view or download a copy of the handbook, go to http://mwdh2o.com/rsap/rate_admin_proc.pdf

If you have any questions, please contact June Skillman at (213) 217-6216, or me at (213) 217-7121.

cc: Board of Directors

<<2011-2012 Rates Notification Attachments.pdf>>

**Table 2
Fiscal Year 2010/11 READINESS-TO-SERVE CHARGE**

Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY1998/99 - FY2007/08	RTS Share	6 months @ \$14 million per year (7/10-12/10)	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY1999/00 - FY2008/09	RTS Share	6 months @ \$125 million per year (1/11-6/11)	Total RTS Charge
Anaheim	20,228	1.10%	\$ 627,546	20,966	1.11%	\$ 691,061	\$ 1,318,607
Beverly Hills	12,912	0.70%	400,580	12,737	0.67%	419,846	820,426
Burbank	12,912	0.70%	400,574	12,908	0.68%	425,469	826,043
Calleguas	111,839	6.09%	3,469,692	113,610	5.99%	3,744,777	7,214,469
Central Basin	64,106	3.49%	1,988,834	63,256	3.34%	2,085,029	4,073,863
Compton	3,346	0.18%	103,816	3,146	0.17%	103,704	207,520
Eastern	87,844	4.78%	2,725,281	92,013	4.85%	3,032,894	5,758,176
Foothill	11,280	0.61%	349,964	11,570	0.61%	381,353	731,317
Fullerton	9,389	0.51%	291,298	9,694	0.51%	319,543	610,841
Glendale	24,721	1.35%	766,931	24,150	1.27%	796,008	1,562,939
Inland Empire	57,206	3.11%	1,774,777	61,205	3.23%	2,017,412	3,792,189
Las Virgenes	22,851	1.24%	708,941	23,282	1.23%	767,407	1,476,348
Long Beach	37,275	2.03%	1,156,414	36,970	1.95%	1,218,606	2,375,020
Los Angeles	277,759	15.12%	8,617,237	314,757	16.60%	10,374,899	18,992,135
MWD/OC	227,051	12.36%	7,044,041	231,692	12.22%	7,636,939	14,680,980
Pasadena	22,682	1.23%	703,686	23,397	1.23%	771,214	1,474,899
San Diego	486,698	26.49%	15,099,357	491,238	25.91%	16,192,005	31,291,362
San Fernando	119	0.01%	3,679	119	0.01%	3,909	7,589
San Marino	995	0.05%	30,853	1,001	0.05%	32,981	63,835
Santa Ana	12,711	0.69%	394,344	12,743	0.67%	420,014	814,358
Santa Monica	12,759	0.69%	395,827	12,794	0.67%	421,715	817,542
Three Valleys	72,197	3.93%	2,239,847	73,095	3.85%	2,409,339	4,649,186
Torrance	20,975	1.14%	650,743	20,742	1.09%	683,701	1,334,444
Upper San Gabriel	15,491	0.84%	480,591	15,631	0.82%	515,224	995,815
West Basin	143,381	7.80%	4,448,252	141,522	7.46%	4,664,803	9,113,054
Western	68,556	3.73%	2,126,892	71,906	3.79%	2,370,151	4,497,042
MWD Total	1,837,281	100.00%	\$ 57,000,000	1,896,143	100.00%	\$ 62,500,000	\$ 119,500,000

Data as of 3/2010

**Table 3A
RTS Ten Year Rolling Average for Calendar Year 2010**

FISCAL_YEAR	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	TYRA	RTS Share	RTS Share (\$)
Anaheim	15,238.1	19,824.1	16,561.3	17,246.1	18,390.4	25,473.5	24,408.4	26,122.2	23,741.1	15,271.9	20,227.7	1.10%	627,546
Beverly Hills	13,545.1	14,093.3	13,598.1	13,597.5	13,178.1	12,188.3	11,917.8	12,045.7	12,775.5	12,179.3	12,911.9	0.70%	400,580
Burbank	14,106.9	8,154.4	13,477.7	11,939.0	12,097.7	14,547.2	13,784.8	13,031.7	13,401.4	14,596.6	12,911.7	0.70%	400,574
Calleguas	99,200.2	111,058.4	107,895.8	114,311.2	109,183.8	114,330.9	108,024.1	106,904.9	123,249.0	124,227.9	111,838.6	6.09%	3,469,692
Central Basin	61,280.3	68,588.2	65,755.9	66,271.3	64,788.3	65,906.9	61,032.6	60,390.7	68,092.7	59,053.6	64,106.1	3.49%	1,888,834
Compton	4,342.2	3,686.0	3,892.6	3,334.1	2,892.2	3,204.9	2,978.8	2,808.1	3,694.7	2,237.3	3,346.3	0.18%	103,816
Eastern	58,129.9	78,022.5	77,180.2	79,507.4	81,592.6	97,005.8	88,466.3	97,378.5	113,595.3	107,561.8	87,844.0	4.78%	2,725,281
Foothill	8,338.4	11,381.2	11,220.9	12,115.3	11,786.3	13,767.8	10,194.1	9,766.1	11,927.9	12,305.5	11,280.4	0.61%	349,964
Fullerton	6,424.7	7,442.7	7,696.4	8,578.7	10,775.4	11,235.5	10,633.5	11,449.6	10,443.0	9,224.8	9,389.4	0.51%	291,288
Glendale	26,604.5	28,851.4	29,134.9	26,165.0	21,948.1	23,795.7	22,678.2	22,317.3	23,828.8	21,880.6	24,720.5	1.35%	766,931
Inland Empire	41,631.8	57,218.1	58,200.2	66,385.5	57,424.5	64,024.7	54,704.7	50,607.8	52,869.1	68,997.6	57,206.4	3.11%	1,774,777
Las Virgenes	19,370.8	22,825.7	21,612.0	22,805.7	21,003.2	24,702.6	21,592.0	22,578.8	25,165.7	26,856.4	22,851.3	1.24%	708,941
Long Beach	35,556.9	37,242.9	37,048.3	37,037.0	35,066.3	43,057.9	39,320.2	35,520.7	37,586.4	35,330.1	37,274.7	2.03%	1,156,414
Los Angeles	62,207.5	225,558.1	326,072.0	365,661.5	362,419.9	358,444.0	211,550.1	152,577.5	290,631.7	422,471.4	277,759.4	15.12%	8,617,237
MWD/OC	202,196.9	226,278.7	225,741.3	233,182.8	221,386.5	246,702.4	221,358.0	218,161.0	251,859.9	223,638.3	227,050.6	12.36%	7,044,041
Pasadena	15,508.3	21,134.7	23,532.8	22,942.4	24,580.6	24,718.6	21,982.0	21,593.5	25,309.2	25,517.0	22,681.9	1.23%	703,686
San Diego	381,383.6	496,839.8	478,223.9	547,720.2	528,120.6	522,816.6	459,557.8	456,352.4	508,416.5	487,544.7	486,697.6	26.49%	15,999,357
San Fernando	-	0.3	-	0.4	2.9	216.0	500.0	308.9	157.1	0.2	118.6	0.01%	3,679
San Marino	948.5	757.2	541.6	554.9	442.2	1,601.7	1,422.3	1,208.6	1,572.9	895.1	994.5	0.05%	30,853
Santa Ana	12,436.4	12,775.7	7,134.7	12,508.0	12,140.5	16,095.3	15,164.8	15,987.9	14,344.4	8,520.8	12,710.9	0.69%	394,344
Santa Monica	11,721.3	11,834.9	12,090.4	12,343.7	13,026.6	14,443.5	13,195.8	12,894.4	13,472.5	12,563.6	12,758.7	0.69%	396,827
Three Valleys	59,016.7	72,960.5	70,143.4	78,214.6	80,536.0	87,649.5	71,326.2	63,022.9	68,223.1	70,877.1	72,197.0	3.93%	2,239,847
Torrance	21,682.8	21,013.3	20,953.4	22,817.0	20,980.5	20,517.1	20,045.5	21,337.8	21,100.3	19,306.2	20,975.4	1.14%	650,743
Upper San Gabriel	7,131.2	11,151.1	9,070.2	18,346.1	20,686.5	27,674.5	12,895.3	10,981.3	14,290.1	22,682.3	15,490.9	0.84%	480,591
West Basin	142,400.9	147,739.5	146,421.4	138,813.3	141,898.4	150,453.8	140,701.2	142,574.6	147,244.9	135,546.9	143,380.5	7.80%	4,448,252
Western	43,954.1	58,146.5	60,483.2	65,932.3	64,517.8	74,938.9	65,999.8	75,837.5	91,112.3	84,638.6	68,556.1	3.73%	2,126,892
Total											1,837,281.1	100.00%	\$ 57,000,000

Data as of 3/2009

**Table 3B
RTS Ten Year Rolling Average for Calendar Year 2011**

FISCAL_YEAR	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	TYRA	RTS Share	RTS Share (\$)
Anaheim	19,824.1	16,561.3	17,246.1	18,390.4	25,473.5	24,408.4	26,122.2	23,741.1	15,271.9	22,617.2	20,227.7	1.10%	627,546
Beverly Hills	14,093.3	13,598.1	13,597.5	13,178.1	12,188.3	11,917.8	12,045.7	12,775.5	12,179.3	11,800.5	12,911.9	0.70%	400,580
Burbank	8,154.4	13,477.7	11,939.0	12,997.7	14,547.2	13,764.8	13,031.7	13,401.4	14,596.6	14,069.9	12,911.7	0.70%	400,574
Calleguas	111,058.4	107,895.8	114,311.2	109,183.8	114,330.9	108,024.1	106,904.9	123,249.0	124,227.9	116,914.9	111,838.6	6.09%	3,469,692
Central Basin	68,588.2	65,755.9	66,271.3	64,708.3	65,906.9	61,032.6	60,390.7	68,092.7	59,053.6	52,762.1	64,106.1	3.49%	1,988,834
Compton	3,686.0	3,892.6	3,334.1	2,892.2	3,204.9	2,978.8	2,808.1	3,694.7	2,237.3	2,733.1	3,346.3	0.18%	103,816
Eastern	78,022.5	77,180.2	79,507.4	81,592.6	97,005.8	88,466.3	97,378.5	113,595.3	106,569.4	100,810.1	87,844.0	4.78%	2,725,281
Foothill	11,381.2	11,220.9	12,115.3	11,786.3	13,767.8	10,194.1	9,766.1	11,927.9	12,268.6	11,268.1	11,280.4	0.61%	349,964
Fullerton	7,442.7	7,696.4	8,578.7	10,775.4	11,225.5	10,633.5	11,449.6	10,443.0	9,224.8	9,474.0	9,389.4	0.51%	291,298
Glendale	28,851.4	29,134.9	26,165.0	21,948.1	23,795.7	22,678.2	22,317.3	23,828.8	21,880.6	20,895.2	24,720.5	1.35%	766,931
Inland Empire	57,218.1	56,200.2	66,385.5	57,424.5	64,024.7	54,704.7	50,607.8	52,869.1	68,997.6	81,615.9	57,206.4	3.11%	1,774,777
Las Virgenes	22,825.7	21,612.0	22,805.7	21,003.2	24,702.6	21,592.0	22,578.8	25,165.7	26,856.4	23,675.8	22,851.3	1.24%	708,941
Long Beach	37,242.9	37,048.3	37,037.0	35,066.3	43,057.9	39,320.2	35,520.7	37,566.4	35,330.1	32,514.0	37,274.7	2.03%	1,156,414
Los Angeles	225,558.1	326,072.0	365,661.5	362,419.9	358,444.0	211,550.1	152,577.5	290,631.7	422,471.4	432,179.7	277,759.4	15.12%	8,617,237
MWD/OC	226,278.7	225,741.3	233,182.8	221,386.5	246,702.4	221,358.0	218,161.0	251,859.9	223,663.2	248,582.1	227,950.6	12.36%	7,044,041
Pasadena	21,134.7	23,532.8	22,942.4	24,580.6	24,718.6	21,982.0	21,593.5	25,309.2	25,517.0	22,661.8	22,681.9	1.23%	703,686
San Diego	496,839.8	478,223.9	547,720.2	528,120.6	522,816.6	459,567.8	436,352.4	508,416.5	487,235.0	427,093.6	486,667.6	26.49%	15,098,357
San Fernando	0.3	0.0	0.4	2.9	216.0	500.0	308.9	157.1	0.2	0.1	118.6	0.01%	3,679
San Marino	757.2	541.6	554.9	442.2	1,601.7	1,422.3	1,208.6	1,572.9	895.1	1,009.7	994.5	0.05%	30,853
Santa Ana	12,775.7	7,134.7	12,508.0	12,140.5	16,095.3	15,164.8	15,987.9	14,344.4	8,520.8	12,752.5	12,710.9	0.69%	394,344
Santa Monica	11,834.9	12,090.4	12,343.7	13,026.6	14,443.5	13,195.8	12,894.4	13,472.5	12,563.6	12,075.9	12,758.7	0.69%	395,827
Three Valleys	72,960.5	70,143.4	78,214.6	80,536.0	87,649.5	71,326.2	63,022.9	68,223.1	70,877.1	67,998.2	72,197.0	3.93%	2,239,847
Torrance	21,013.3	20,953.4	22,817.0	20,880.5	20,517.1	20,045.5	21,337.8	21,100.3	19,306.2	19,352.1	20,975.4	1.14%	650,743
Upper San Gabriel	11,151.1	9,070.2	18,346.1	20,686.5	27,674.5	12,895.3	10,981.3	14,290.1	22,682.3	8,532.9	15,490.9	0.84%	480,591
West Basin	147,739.5	146,421.4	138,813.1	141,898.4	150,463.8	140,701.2	142,574.6	147,210.4	135,337.5	124,060.6	143,380.5	7.80%	4,448,252
Western	58,146.5	60,483.2	65,932.3	64,517.8	74,938.9	65,999.8	75,837.5	91,112.3	84,653.3	77,441.0	68,556.1	3.73%	2,126,892
Total											1,837,281.1	100.00%	\$ 57,000,000

Data as of 3/2010

Table 4
ESTIMATED NET FY 2010/11 READINESS-TO-SERVE (RTS) CHARGE

Member Agency	Total RTS Charge \$	ESTIMATED STANDBY CHARGES					Estimated Net RTS Charge \$
		Gross Standby Charge Revenues \$	Delinquencies & Administrative \$	Net Standby Charge \$	Estimated Net RTS Charge \$		
Anaheim	1,318,607	591,317	26,807	564,509	754,098	820,426	
Beverly Hills	820,426	-	-	-	820,426	820,426	
Burbank	826,043	411,884	17,798	394,085	431,958	431,958	
Calleguas MWD	7,214,469	2,460,053	110,115	2,349,938	4,864,531	4,864,531	
Central Basin MWD	4,073,863	3,556,027	157,778	3,398,249	675,614	675,614	
Compton	207,520	161,201	7,272	153,928	53,592	53,592	
Eastern MWD	5,758,176	2,821,538	131,406	2,690,132	3,068,043	3,068,043	
Foothill MWD	731,317	312,991	13,908	299,083	432,235	432,235	
Fullerton	610,841	369,482	16,353	353,129	257,712	257,712	
Glendale	1,562,939	546,727	23,908	522,819	1,040,120	1,040,120	
Inland Empire Utilities Agency	3,792,189	1,886,860	86,814	1,800,047	1,992,142	1,992,142	
Las Virgenes MWD	1,476,348	467,287	21,346	445,942	1,030,406	1,030,406	
Long Beach	2,375,020	1,116,597	48,852	1,067,745	1,307,275	1,307,275	
Los Angeles	18,992,135	-	-	-	18,992,135	18,992,135	
Municipal Water District of Orange County	14,680,980	7,382,114	328,064	7,054,051	7,626,930	7,626,930	
Pasadena	1,474,899	453,200	19,890	433,309	1,041,590	1,041,590	
San Diego County Water Authority	31,291,362	12,745,382	560,324	12,185,057	19,106,305	19,106,305	
San Fernando	7,589	40,005	1,832	38,173	(30,584)	(30,584)	
San Marino	63,835	40,969	1,866	39,103	24,732	24,732	
Santa Ana	814,358	426,956	19,550	407,406	406,952	406,952	
Santa Monica	817,542	-	-	-	817,542	817,542	
Three Valleys MWD	4,649,186	1,850,855	80,949	1,769,907	2,879,280	2,879,280	
Torrance	1,334,444	495,206	21,655	473,551	860,892	860,892	
Upper San Gabriel Valley MWD	995,815	1,959,967	88,043	1,871,924	(876,109)	(876,109)	
West Basin MWD	9,113,054	-	-	-	9,113,054	9,113,054	
Western MWD	4,497,042	3,507,520	157,634	3,349,885	1,147,157	1,147,157	
MWD Total	\$ 119,500,000	\$ 43,604,138	\$ 1,942,166	\$ 41,661,972	\$ 77,838,028	\$ 77,838,028	

Data as of 3/2010

Table 5
2010/11 READINESS TO SERVE CHARGE (RTS) BILLING PREFERENCE

Member Agency	Total RTS Charge FY 2010/11	6 months @ \$114 million per year (7/10-12/10)	6 months @ \$125 million per year (1/11-6/11)	Net Standby Charge	Estimated Net RTS Charge / (Carryover)	Elected Standby Charge Option	Current Billing Preference	Semi-Annual			Quarterly			Monthly	
								Due December 31, 2010	Due June 30, 2011	Due December 31, 2010	Due September 30, 2010	Due December 31, 2010	Due June 30, 2011	Due end of each month (July through December)	Due end of each month (January through June)
Anaheim	\$ 3,118,607	\$ 627,546	\$ 691,063	\$ 564,509	\$ 754,088	Yes	Semi-Annual	\$ 345,292	\$ 408,806	\$ 172,646	\$ 204,403	\$ 67,549	\$ 88,134		
Beverly Hills	820,426	400,580	419,846	0	820,426	No	Monthly	400,580	419,846	200,290	204,403	66,763	69,974		
Burbank	828,043	400,574	425,958	384,085	431,958	Yes	Monthly	303,631	328,436	101,766	114,213	33,923	38,071		
Calabasas	7,214,469	3,469,682	3,744,777	2,349,938	4,864,531	Yes	Monthly	2,284,723	2,569,608	1,147,362	1,284,904	362,454	428,301		
Central Basin	4,073,893	1,988,894	2,085,029	3,398,249	675,814	Yes	Monthly	289,716	385,905	144,855	192,952	48,285	64,317		
Compton	207,520	103,816	103,704	153,928	53,592	Yes	Monthly	26,852	26,740	13,426	13,370	4,475	4,457		
Easton	5,758,176	2,725,281	3,032,894	2,690,132	3,068,043	Yes	Semi-Annual	1,380,215	1,687,828	690,108	843,914	230,036	281,305		
Foothill	731,317	349,964	381,353	299,083	432,235	Yes	Monthly	200,423	231,812	100,212	115,906	33,404	38,635		
Glendale	1,562,939	766,931	796,008	522,819	1,040,120	Yes	Monthly	505,522	534,598	252,761	267,299	84,254	89,100		
Inland Empire	4,792,189	1,774,777	2,017,412	1,800,047	1,993,442	Yes	Semi-Annual	874,754	1,117,988	437,377	558,094	145,792	188,231		
Las Virgenes	1,476,348	708,941	767,407	445,942	1,030,408	Yes	Monthly	485,970	544,436	242,985	272,218	80,995	90,739		
Long Beach	2,375,928	1,196,414	1,218,696	1,067,743	1,367,275	Yes	Semi-Annual	622,842	894,733	311,271	342,367	103,757	114,122		
Los Angeles	18,992,135	8,617,237	10,374,899	7,054,051	18,992,135	No	Semi-Annual	8,617,237	10,374,899	4,308,618	5,187,449	1,436,206	1,729,150		
MWD/C	14,680,980	7,044,041	7,636,939	7,054,051	7,626,930	Yes	Monthly	3,517,016	4,109,913	1,758,508	2,054,957	586,169	684,866		
Pasadena	1,474,899	703,686	771,214	433,309	1,041,590	Yes	Monthly	487,031	554,559	243,515	277,280	81,172	92,427		
San Diego	31,291,362	15,099,357	16,192,005	12,185,057	19,106,305	Yes	Semi-Annual	9,006,628	10,099,476	4,503,414	5,049,738	1,501,138	1,683,246		
San Fernando	7,589	3,679	3,909	38,173	(30,584)	Yes	Carryover Balance	(15,407)	(15,177)	(7,703)	(7,589)	(2,568)	(2,530)		
San Marino	63,835	30,853	32,981	38,103	34,732	Yes	Monthly	11,302	13,438	5,651	6,715	1,884	2,238		
Santa Ana	814,358	394,344	420,014	407,406	406,952	Yes	Semi-Annual	190,641	216,311	95,321	108,155	31,774	36,052		
Sierra Blanca	817,542	395,827	421,715	407,406	817,542	No	Monthly	395,827	421,715	197,914	210,657	65,971	70,286		
Three Valleys	4,649,186	2,239,847	2,409,339	1,769,907	2,879,280	Yes	Semi-Annual	1,354,894	1,524,386	677,447	762,193	225,816	254,064		
Torrance	1,334,444	650,743	683,791	473,551	860,892	Yes	Quarterly	413,967	446,925	206,964	223,483	68,985	74,488		
Upper San Gabriel	995,815	480,581	515,224	1,871,924	(876,109)	Yes	Quarterly	(453,371)	(420,738)	(227,685)	(210,369)	(75,895)	(70,123)		
West Basin	9,113,054	4,448,252	4,664,803	4,448,252	9,113,054	No	Monthly	4,448,252	4,664,803	2,224,126	2,332,401	741,375	777,467		
Western	4,497,042	2,126,892	2,370,151	3,349,865	1,147,157	Yes	Monthly	451,949	695,208	225,975	347,604	75,325	115,868		
Total	\$ 119,500,000	\$ 57,000,000	\$ 62,500,000	\$ 41,661,972	\$ 77,838,028			\$ 36,169,014	\$ 41,669,014	\$ 18,084,507	\$ 20,834,507	\$ 6,028,169	\$ 6,944,836		

Data as of 3/2010

Table 6
Calendar Year 2011 Capacity Charge

AGENCY	Peak Day Demand (cfs) (May 1 through September 30)					3-Year Peak	Calendar Year 2011 Capacity Charge (\$7,200/cfs)
	2007	2008	2009	Calendar Year			
Anaheim	37.9	36.1	40.7	40.7	40.7	293,040	
Beverly Hills	33.9	32.9	31.0	31.0	33.9	244,080	
Burbank	33.7	34.2	21.6	21.6	34.2	246,240	
Calleguas	260.8	250.0	192.8	192.8	260.8	1,877,760	
Central Basin	125.9	102.7	94.7	94.7	125.9	906,480	
Compton	7.1	4.9	5.9	5.9	7.1	51,120	
Eastern	303.0	263.1	227.8	227.8	303.0	2,181,600	
Foothill	25.4	21.5	24.3	24.3	25.4	182,880	
Fullerton	36.9	27.1	37.4	37.4	37.4	269,280	
Glendale	54.6	55.7	56.0	56.0	56.0	403,200	
Inland Empire	176.2	125.8	106.1	106.1	176.2	1,268,640	
Las Virgenes	45.3	45.3	42.7	42.7	45.3	326,160	
Long Beach	61.3	68.1	67.2	67.2	68.1	490,320	
Los Angeles	768.5	821.9	698.2	698.2	821.9	5,917,680	
MWDOC	469.2	453.7	494.5	494.5	494.5	3,560,400	
Pasadena	58.5	55.6	50.2	50.2	58.5	421,200	
San Diego	1,278.4	1,039.9	1,055.3	1,055.3	1,278.4	9,204,480	
San Fernando	6.5	0.1	-	-	6.5	46,800	
San Marino	5.2	5.2	3.5	3.5	5.2	37,440	
Santa Ana	29.7	14.5	16.4	16.4	29.7	213,840	
Santa Monica	27.6	26.2	25.0	25.0	27.6	198,720	
Three Valleys	171.4	168.1	132.7	132.7	171.4	1,234,080	
Torrance	41.6	35.5	39.3	39.3	41.6	299,520	
Upper San Gabriel	63.8	36.9	27.6	27.6	63.8	459,360	
West Basin	262.3	243.3	221.3	221.3	262.3	1,888,560	
Western	289.1	271.4	219.9	219.9	289.1	2,081,520	
Total	4,673.8	4,239.7	3,932.1	3,932.1	4,764.5	34,304,400	

Data as of 3/2010

**Table 7
Purchase Order Status**

Member Agency	Purchase Order Commitment (Jan 2003 - Dec 2012) (acre-feet)	Firm Purchases (Jan 2003 - Dec 2009) (acre-feet)	Remaining PO commitment Jan.2010-Dec.2012 (acre-feet)
Anaheim	148,268	131,073	17,195
Beverly Hills	89,202	72,907	16,295
Burbank	108,910	83,412	25,498
Calleguas	692,003	689,874	2,129
Central Basin	482,400	367,239	115,167
Compton	33,721	17,657	16,064
Eastern	504,664	603,825	-
Foothill	73,312	67,222	6,091
Fullerton	75,322	60,674	14,649
Glendale	174,809	135,396	39,414
Inland Empire	398,348	374,602	23,746
Las Virgenes	137,103	144,571	-
Long Beach	263,143	223,309	39,834
Los Angeles	2,033,132	1,867,854	165,277
MWDOC	1,486,161	1,422,575	63,586
Pasadena	141,197	141,782	-
San Diego	3,342,571	2,861,472	481,099
San Fernando	-	1,182	-
San Marino	-	7,710	-
Santa Ana	80,858	78,956	1,902
Santa Monica	74,062	78,646	-
Three Valleys	469,331	429,097	40,234
Torrance	139,780	121,659	18,121
Upper San Gabriel	110,077	97,056	13,021
West Basin	1,045,825	840,348	205,477
Western	391,791	469,983	-
Total	12,495,989	11,390,081	1,304,796

Table 8 Tier 1 annual limits (acre-feet)			
Member Agency	TYRA (FY2000-2009)	Initial Base Firm Demand	2011 Tier 1 limit with Opt-outs
Anaheim	20,309	24,711	22,240.2
Beverly Hills	12,737	14,867	13,380.3
Burbank	12,908	18,152	16,336.4
Calleguas	113,232	115,334	110,248.5
Central Basin	63,256	80,400	72,360.8
Compton	3,146	5,620	5,058.1
Eastern	92,013	84,111	87,740.4
Foothill	11,373	12,219	10,996.8
Fuллертон	9,517	12,554	11,298.3
Glendale	24,150	29,135	26,221.4
Inland Empire	61,683	66,391	59,792.2
Las Virgenes	23,282	22,851	21,086.6
Long Beach	36,970	43,857	39,471.5
Los Angeles	314,796	338,855	304,969.8
MWDCC	233,114	247,694	228,130.2
Pasadena	23,397	23,533	21,179.5
San Diego	491,238	557,095	547,239.1
San Fernando	119	1,050	629.9
San Marino	1,001	1,998	1,198.5
Santa Ana	12,351	13,476	12,128.7
Santa Monica	12,794	12,344	11,514.7
Three Valleys	73,095	78,222	70,473.6
Torrance	20,742	23,297	20,966.9
Upper San Gabriel	15,631	18,346	16,511.6
West Basin	141,522	174,304	156,873.8
Western	71,906	65,299	69,720.4
Total	1,896,283	2,085,712	1,957,768.2

Data as of 3/2010



San Diego County Water Authority

4677 Overland Avenue * San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdewa.org

June 30, 2010

MEMBER AGENCIES

- Carlsbad Municipal Water District
- City of Del Mar
- City of Escondido
- City of National City
- City of Oceanside
- City of Poway
- City of San Diego
- Fallbrook Public Utility District
- Helix Water District
- Lakeside Water District
- Clivewhain Municipal Water District
- Otay Water District
- Padre Dam Municipal Water District
- Camp Pendleton Marine Corps Base
- Rainbow Municipal Water District
- Ranona Municipal Water District
- Rincon del Diablo Municipal Water District
- San Dieguito Water District
- Santo Fe Irrigation District
- South Bay Irrigation District
- Vallecitos Water District
- Valley Center Municipal Water District
- Vista Irrigation District
- Yuima Municipal Water District

Karen L. Tachiki
General Counsel
 Metropolitan Water District of Southern California
 Box 54153
 Los Angeles, CA 90054-0153

Re: SDCWA v. Metropolitan, et al., LASC Case No. BS126888 –
 Confirmation of Satisfaction of 2003 Exchange Agreement Paragraph 11.1

Karen
 Dear Ms. Tachiki:

With respect to the above-referenced lawsuit filed by the Water Authority on June 11, 2010, this letter confirms our mutual understanding and agreement that the Water Authority and Metropolitan have satisfied the requirement of paragraph 11.1 of the 2003 exchange agreement to use reasonable best efforts to resolve all disputes, including Price Disputes, arising under the agreement by negotiation before resorting to legal or equitable remedies.

By e-mail from Syd Bennion to me dated May 27, 2010, your office advised that Metropolitan “agreed that the SDCWA’s participation in the four-month process that led to adoption of water rates on April 13, 2010, which included participation of SDCWA board members in board and committee meetings, participation of staff in meetings for member agency representatives, and submission of comments to the Business and Finance Committee and the board, exhausted SDCWA’s administrative remedies with respect to the consideration and adoption of those rates.”

Paragraph 5.2 of the 2003 exchange agreement provides that “the Price shall be equal to the charge or charges set by Metropolitan’s Board of Directors pursuant to applicable law and regulation and generally applicable to the conveyance of water by Metropolitan on behalf of its member agencies.” Metropolitan has determined the Price under the exchange agreement to be the sum of the System Access Rate, Water Stewardship Rate, and System Power Rate as set by Metropolitan’s board. The Water Authority believes that Metropolitan’s board has not set its charges pursuant to applicable law. Paragraph 11.1 of the exchange agreement provides that Metropolitan and the Water Authority will

A public agency providing a safe and reliable water supply to the San Diego region

Karen L. Tachiki

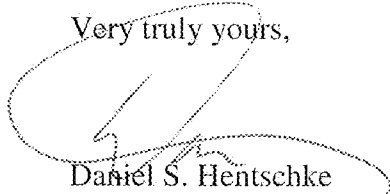
June 30, 2010

Page 2

use reasonable best efforts to resolve all disputes, including Price Disputes, arising under the agreement by negotiation before resorting to legal or equitable remedies.

On June 23, 2010, at the Water Authority's request, representatives of the Water Authority and Metropolitan met to discuss the potential for a negotiated resolution of the issues raised by the complaint. During that meeting it was mutually agreed that further negotiations would not be productive given the significant policy and business issues that both agencies believe require judicial resolution, and further, that both Metropolitan and the Water Authority have satisfied any requirement under paragraph 11.1 to negotiate with respect to these disputes. Please confirm this understanding by executing this letter in the place noted below and returning a copy of the executed letter to me.

Very truly yours,



Daniel S. Hentschke
General Counsel

c: Jeffrey Kightlinger, General Manager, MWDSC
Maureen A. Stapleton, General Manager, SDCWA

Agreed:

Karen L. Tachiki



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Counsel

RECEIVED
FEB 25 2011
GEN'L COUNSEL

February 24, 2011

Daniel S. Hentschke
General Counsel
San Diego County Water Authority
4677 Overland Avenue
San Diego, California 92123-1233

Re: Acknowledgment of Payment under Protest

Dear Mr. Hentschke:

This letter acknowledges receipt of San Diego County Water Authority's notice dated February 10, 2011 regarding payments made under protest pursuant to the October 10, 2003 "Exchange Agreement" between Metropolitan and the Water Authority.

As provided in Section 12.4(c) of the Exchange Agreement, Metropolitan will establish a separate interest-bearing account for deposit of the amount of payments made under protest for the reasons at issue in *San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.*, San Francisco Superior Court, Case No. CPF-10-510830 ("Rate Case"). The account will be established as a General Fund trust account and will be credited with interest on a monthly basis using the effective yield earned during the month on Metropolitan's investment portfolio.

Metropolitan will calculate the amount of payments under protest based upon the amounts of Colorado River water approved by the Bureau of Reclamation for diversion by Metropolitan for exchange with the Water Authority. We expect to receive Reclamation's approval within the next week.

Each month Metropolitan will transfer into the separate interest-bearing account an amount equal to one-twelfth of the quantity approved by the Bureau of Reclamation for deliveries under the Exchange Agreement for 2011 multiplied by \$236 per acre-foot, the amount in dispute specified in your letter. The transfers will begin in March 2011, upon the Water Authority's payment of its invoice from Metropolitan for January 2011 exchange services. At the end of each twelve-month period, Metropolitan will adjust the amount in the account based upon the final quantities of approved diversions of Colorado River water for exchange with the Water Authority and any other factors affecting calculation of the amount paid under protest.

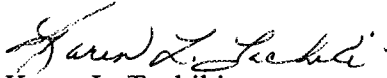
Daniel S. Hentschke

Page 2

February 24, 2011

If you have questions or comments on this matter, please let us know.

Very truly yours,



Karen L. Tachiki

General Counsel

cc: Jeffrey Kightlinger, General Manager
Thomas DeBacker, Interim Chief Financial Officer



San Diego County Water Authority

4677 Overland Avenue • San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org

August 26, 2011

MEMBER AGENCIES

- Carlsbad Municipal Water District
- City of Del Mar
- City of Escondido
- City of National City
- City of Oceanside
- City of Poway
- City of San Diego
- Fallbrook Public Utility District
- Helix Water District
- Lakeside Water District
- Oliverain Municipal Water District
- Oray Water District
- Padre Dam Municipal Water District
- Camp Pendleton Marine Corps Base
- Rainbow Municipal Water District
- Ramona Municipal Water District
- Rincon del Diabla Municipal Water District
- San Dieguito Water District
- Santa Fe Irrigation District
- South Bay Irrigation District
- Vallecitos Water District
- Valley Center Municipal Water District
- Vista Irrigation District
- Yuma Municipal Water District

Jeffrey Kightlinger, General Manager
Dawn Chin, Secretary of the Board of Directors
Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153

Re: Notice of Payment Under Protest and Claim for Refund

Dear Mr. Kightlinger and Ms. Chin:

This letter constitutes notice to the Metropolitan Water District of Southern California that all payments made by the San Diego County Water Authority on or after June 23, 2011 on account of billings made by Metropolitan for its so-called "Water Stewardship Rate" with respect to the sale, delivery, or exchange of water by Metropolitan to the Water Authority are made under protest.

This letter also constitutes a claim pursuant to sections 9300 et seq. of Metropolitan's Administrative Code, on behalf of the Water Authority for itself and as assignee of all claims and causes of action of the Ramona Municipal Water District. Pursuant to Metropolitan Administrative Code section 9302, the Water Authority provides the following information:

(a) Name and address:

San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233

(b) Address to which notices are to be sent:

Maureen A. Stapleton, General Manager
Daniel S. Hentschke, General Counsel
4677 Overland Avenue
San Diego, CA 92123-1233

OTHER REPRESENTATIVE

County of San Diego

A public agency providing a safe and reliable water supply to the San Diego region

- (c) Date, place, and other circumstances of the occurrence or transaction which gave rise to the claim asserted:

Please see attached letters dated June 23, 2011 and August 25, 2010 addressed to Maureen A. Stapleton, General Manager, San Diego County Water Authority from Jeffrey Kightlinger, General Manager, Metropolitan Water District.

- (d) General description of indebtedness, obligation, injury, damage, or loss incurred.

Unlawful collection of Water Stewardship Rates from the San Diego County Water Authority; unlawful and discriminatory denial of or limitation upon service to the San Diego County Water Authority for which Water Stewardship Rates are imposed and collected by Metropolitan; unlawful use of revenues generated by the Water Stewardship Rate paid by the San Diego County Water Authority; unlawful enforcement of invalid "Rate Structure Integrity" contract provision.

Breach/unlawful termination of Agreement No. 94278 regarding the San Vicente Recycling Project, including, without limitation, damages for breach/unlawful termination.

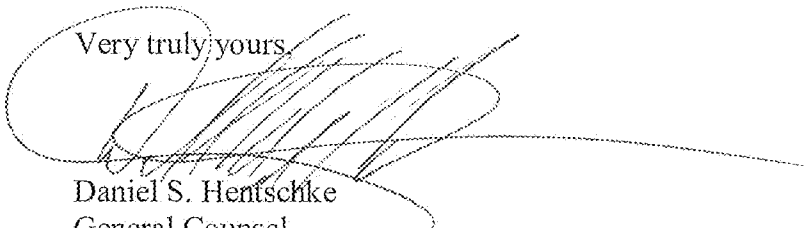
- (e) Amount claimed:

Full refund of amounts paid under protest.

Damages for breach/unlawful termination of Agreement No. 94278 within the jurisdiction of the superior court, according to proof.

Also, please refer to the Notice of Payment Under Protest dated February 10, 2011, a copy of which is also attached hereto.

Very truly yours,



Daniel S. Hentschke
General Counsel

- c: Water Authority Board of Directors
Maureen Stapleton, Water Authority General Manager



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RECEIVED

JUN 27 2011

GENERAL MANAGER

Office of the General Manager

June 23, 2011

VIA EMAIL

Ms. Maureen Stapleton
General Manager
San Diego County Water Authority
4677 Overland Ave.
San Diego, CA 92123

Dear Ms. Stapleton:

Board action regarding Rate Structure Integrity provisions and termination of agreements

As you know, on June 14, 2011, The Metropolitan Water District of Southern California's (Metropolitan) Board of Directors took action with regard to contracts with San Diego County Water Authority (Water Authority) containing Rate Structure Integrity provisions. The Board adopted Option 3 set forth in Board Letter 8-7 (attached).

The adoption of Option 3 by the Board authorized the following:

1. Continuation of the regional residential and commercial direct rebates for water conserving devices to residents, businesses, and institutions within the Water Authority's service area through the *SoCal WaterSmart* and *Save Water, Save a Buck* programs.
2. Termination of Agreement No. ECP 24-2007 regarding landscape grants.
3. Termination of Agreement No. 94278 regarding The San Vicente Water Recycling Project.
4. Direction to staff to cease approving or providing funding for the Water Authority's member agency administered conservation projects through regional conservation Agreements Nos. 78189 (residential) and 66654 (commercial/industrial /institutional).

The Board's August 2010 direction not to execute pending agreements with the Water Authority absent new Board direction remains in effect.

Pursuant to this Board authorization and direction, please be advised as follows:

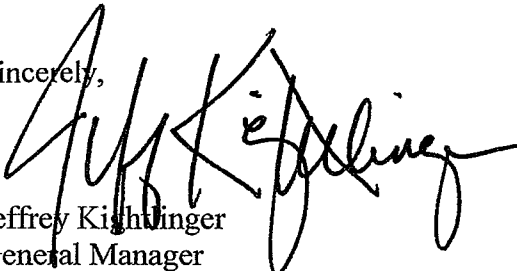
1. Metropolitan hereby terminates Agreement No. ECP 24-2007, pursuant to Sections 2.2, 3.2, and 8.4 of the agreement, effective July 25, 2011.
2. Metropolitan hereby terminates Agreement No. 94278, effective August 8, 2011, pursuant to Sections 7 and 10 of the agreement.
3. Metropolitan will issue Addenda to Agreements Nos. 78189 and 66654 to eliminate approval or funding for Water Authority's member agency administered conservation projects, effective July 1, 2011. This change will be made and effective pursuant to Sections 1 and 2.2 of Agreement No. 78189, and Section 5 of Agreement No. 66654.

M. Mureen Stapleton
Page 2
June 23, 2011

4. Pending incentive agreements that have been or may be submitted to Metropolitan will not be executed prior to further action and direction from the Metropolitan Board.

Please feel free to contact me or my staff if you have any questions regarding this matter.

Sincerely,


Jeffrey Kightlinger
General Manager

PVH:vs

o:\a\s\c\2011\NPVH_Rate Structure Integrity Term Letter 061611.doc

Enclosure

cc: M. Scully
Interim General Council
The Metropolitan Water District of Southern California



• **Board of Directors**
Legal and Claims Committee

6/14/2011 Board Meeting

8-7

Subject

Review Rate Structure Integrity provisions of conservation and Local Resources Program funding agreements with San Diego County Water Authority; and consider termination of agreements

Description

Background

At its August 17, 2010 meeting, the Board of Directors authorized the General Manager to initiate the process to terminate six local resources and conservation agreements with the San Diego County Water Authority (Water Authority) that include rate structure integrity (RSI) provisions, and to defer execution of three pending agreements.

Since that time, Metropolitan and the Water Authority engaged in mediation as set forth in the dispute resolution terms of the RSI provisions. Formal mediation between Metropolitan and the Water Authority took place on March 9, 2011 for four bilateral agreements and was scheduled for June 6, 2011 for an agreement involving a third party. One agreement has since been paid in full and has terminated by its own terms. The RSI provisions state that if mediation does not result in a mutually acceptable agreement, the matter goes to the Board of Directors for final determination on whether to terminate the agreements.

Rate Structure Integrity provisions

Adopted by the Board in 2004, the RSI provisions define a process through which Metropolitan can terminate conservation or other local resources incentive agreements with a member agency that chooses to pursue legal or legislative challenges to Metropolitan's existing rate structure outside of established public board processes. The objective of this language is to protect revenue sources necessary to fund Metropolitan's water management incentive programs. Subsequent to board adoption in 2004, standardized RSI terms have been included in all local resources, seawater desalination, and conservation program incentive agreements. The full text of the RSI language, including notice and dispute resolution procedures, is included in **Attachment 1**. The agreements subject to this action are listed in **Attachment 2**.

Legal Challenge by Water Authority

In June 2010, the Water Authority initiated litigation challenging Metropolitan's water rates and charges adopted April 13, 2010. This act triggered the termination and dispute resolution provisions of the RSI provisions in several existing incentives agreements with the Water Authority.

Notice and Dispute Resolution Proceedings

As set forth in the RSI provisions and after consultation with the Board of Directors, the General Manager sent the Water Authority the required 90-day notices of possible termination for four bilateral agreements, effective August 30, 2010. On September 27, 2010, the Water Authority requested mediation. Metropolitan and the Water Authority met in mediation on March 9, 2011, before retired Justice Howard B. Wiener.

Although both sides made good-faith efforts to find a mutually acceptable solution, no agreement resulted. After the mediation, the Chairman of the Water Authority Board wrote the Chairman of Metropolitan's Board

requesting a continuation of the mediation on a board to board basis. By a letter to Chairman Hogan dated April 14, 2011, Chairman Foley declined the request and effectively concluded the mediation. Metropolitan provided a separate notice of potential termination concerning two agreements involving the Water Authority's retail agencies.

On October 19, 2010, Metropolitan issued a 90-day notice of intent to terminate two agreements with the Water Authority that included Ramona Municipal Water District (Ramona) as a party and Rincon del Diablo Municipal Water District (Rincon) as funding recipient and notified all parties of their ability to request mediation. Neither Ramona nor Rincon responded to the notice or requested mediation. The Water Authority requested mediation on November 17, 2010. In January 2011, the Rincon agreement was fully paid and expired by its own terms. The Water Authority declined Metropolitan's request to include the three-party agreement in the March 9 mediation and took no further steps to pursue it. Staff concluded that the Water Authority had waived its mediation rights.

On May 9, 2011, Metropolitan received written notice from the Water Authority that, in their view, the Water Authority had not waived mediation of the Ramona agreement. As a result of that communication, Metropolitan and the Water Authority scheduled a second mediation for June 6, 2011, also before Justice Wiener and including a representative from Ramona, specifically on the Ramona contract for the San Vicente Water Recycling Project.

Board Action

At its May 10, 2011 meeting, the Legal and Claims Committee considered termination of all remaining agreements. The Committee adopted a resolution approving termination of the open agreements with the Water Authority but maintaining programs that provide direct rebates to consumers through Metropolitan's regional incentives programs. Policy discussion among board members focused on Metropolitan's historic, long-standing support for conservation. The Committee also discussed the ramifications of the new statewide conservation target of a 20 percent reduction in per capita water use by 2020 that was included in legislation sponsored by Metropolitan. The Committee also instructed staff to defer execution of any pending agreements with the Water Authority prior to further direction from the Board. At the board meeting of May 10, 2011, the Board acted to table consideration of the termination of these contracts until its June 14, 2011 meeting, to allow for further discussion of the modified action.

Pending Agreements

The three pending agreements with the Water Authority that would be subject to the Board's direction to defer execution are described below.

On November 10, 2009, the Board authorized entering into a Seawater Desalination Program agreement with the Water Authority and its retail agencies for the Carlsbad Seawater Desalination Project. The authorized agreement includes several sub-agencies of the Water Authority as parties and includes the standard RSI provisions. On July 22, 2010, the Water Authority's board of directors authorized a draft term sheet and directed its staff to prepare a water purchase agreement with Poseidon Resources LLC for direct purchase of product water from the Carlsbad Seawater Desalination Project. If such an agreement is completed, the material terms would be different from the proposed agreement authorized by Metropolitan's Board for the project. In that case, Metropolitan staff will bring the new agreement regarding the Carlsbad Seawater Desalination Project back to the Board for consideration.

The pending Agricultural Conservation Program agreement would provide incentives for professional irrigation audits and installation of water conservation improvements. The pending agreement in the Innovative Conservation Program would fund new research on flow control valves.

Options

Staff has developed four options for board consideration:

Option #1: Under this option, the Board would approve termination of all contracts with Water Authority containing RSI language. This option is consistent with the RSI language that was adopted by the Board and implemented in these contracts.

Option #2: This option is the same as Option #1, but Metropolitan would establish an interest-bearing fund to hold payments that would have been paid under the terminated agreements, to the extent that such amounts can reasonably be calculated and the information for such calculations is provided to Metropolitan by the Water Authority. Upon completion of the pending litigation over Metropolitan's existing rate structure, the Board will determine at its sole discretion whether and on what terms to provide any portion of these funds to the Water Authority.

Option #3: Under this option, the Board would approve termination of all contracts with Water Authority containing RSI language, except for the regional commercial and residential conservation incentive agreements providing payments directly to consumers. Maintaining the conservation agreements would allow residents within the Water Authority service area to continue to receive rebates from Metropolitan's regional programs when they purchase eligible conserving devices. This option reflects the Committee's recommended action of May 10 that was later tabled at the May board meeting.

Option #4: Under this option, no agreements would be terminated. The Board would also instruct staff to execute pending incentive agreements with the Water Authority, as appropriate.

Recommendation

Staff recommends Option #1, to terminate the existing incentive agreements with the Water Authority that contain rate structure integrity language. This option is consistent with the policy set forth by the RSI language. Staff will also continue to defer the approval of any pending agreements with the Water Authority requiring inclusion of the RSI provisions, until authorized by the Board.

Policy

By Minute Item 46045, dated December 14, 2004, effective April 15, 2005, the Board authorized inclusion of rate structure integrity language in all future local resources, seawater desalination, and conservation program incentive agreements.

By Minute Item 48266, dated May 11, 2010, the Board approved the water conservation plan for FY 2010/11 that includes the Agricultural Conservation Program.

By Minute Item 44974, dated August 20, 2002, the Board authorized the Innovative Conservation Program on a biennial basis.

By Minute Item 48084, dated November 10, 2009, the Board authorized entering into a Seawater Desalination Program agreement with the San Diego County Water Authority and its retail agencies for the Carlsbad Seawater Desalination Project.

By Minute Item 48377, dated August 17, 2010, the Board expressed support for the General Manager to initiate the process to terminate six local resources and conservation agreements with the San Diego County Water Authority that include rate structure integrity provisions and to defer execution of pending conservation and LRP agreements with the Water Authority.

California Environmental Quality Act (CEQA)

CEQA determination for Options #1, #2, and #3:

During preliminary environmental review, the lead agency must first determine whether an activity proposed by a public agency is subject to CEQA before preparing and conducting an initial study and environmental checklist. Given the contractual nature of the activity presented in the board letter, the proposed action is not defined as a project under CEQA or the State CEQA Guidelines and is therefore not subject to the provisions of CEQA pursuant to Sections 15060(c)(3), 15061(b)(3), 15378(b)(2), 15378(b)(4), and 15378(b)(5) of the State CEQA Guidelines. The proposed action simply terminates existing agreements for projects whose potential effects were previously addressed in other adopted/certified CEQA documents. Accordingly, no further environmental review is required.

The CEQA determination is: Determine that the proposed action is not subject to the provisions of CEQA pursuant to Sections 15060(c)(3), 15061(b)(3), 15378(b)(2), 15378(b)(4), and 15378(b)(5) of the State CEQA Guidelines.

CEQA determination for Option #4:

None required

Board Options

Option #1

Adopt the CEQA determination and approve termination of five conservation and Local Resources Program funding agreements with San Diego County Water Authority pursuant to the rate structure integrity provisions of those agreements.

Fiscal Impact: Cost savings realized from terminated incentive payments would be factored into Metropolitan's rate projections and future budgets. Financial exposure to local resources and conservation program incentives would be diminished.

Business Analysis: Staff would also review potential reallocation of budgeted FY 2010/11 and FY 2011/12 conservation funds and other incentive-related administrative actions.

Option #2

Adopt the CEQA determination and

- a. Approve termination of five conservation and Local Resources Program funding agreements with San Diego County Water Authority pursuant to the rate structure integrity provisions of those agreements; and
- b. Direct the General Manager to establish a separate interest-bearing fund to hold payments that would be paid under such agreements to the extent that such amounts can reasonably be calculated and the information for such calculations is provided to Metropolitan by the Water Authority. Upon completion of the pending litigation over Metropolitan's existing rate structure, the Board will determine at its sole discretion whether and on what terms to provide any portion of these funds to the Water Authority.

Fiscal Impact: None. Incentive payments factored into Metropolitan's rate projections and future budgets would remain unchanged.

Business Analysis: Staff would need to make judgments on estimated payments and amount to place into separate account.

Option #3

Adopt the CEQA determination and

- a. In order to continue providing Metropolitan's regional residential and commercial direct rebates to citizens within the Water Authority's service area, do not approve termination of the two regional commercial and residential conservation incentives agreements. Instead, direct staff to cease approving or providing funding for Water Authority's member agency administered conservation projects through the regional agreements.
- b. Approve termination of the remaining three conservation and Local Resources Program funding agreements with San Diego County Water Authority pursuant to the rate structure integrity provisions of those agreements.

Fiscal Impact: Cost savings realized from terminated incentive payments would be factored into Metropolitan's rate projections and future budgets. Financial exposure to local resources and conservation program incentives would be diminished.

Business Analysis: Staff would continue to administer the existing regional commercial and residential conservation incentives agreements for residents within the Water Authority service area. Staff would also review potential reallocation of budgeted FY 2010/11 and FY 2011/12 conservation funds and other incentive-related administrative actions.

Option #4

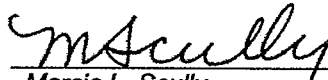
- a. Do not approve termination of existing conservation and Local Resources Program funding agreements with San Diego County Water Authority pursuant to the rate structure integrity provisions of those agreements; and
- b. Direct the General Manager to proceed as appropriate with execution of pending incentive agreements with San Diego County Water Authority.

Fiscal Impact: None. Incentive payments factored into Metropolitan's rate projections and future budgets would remain unchanged.

Business Analysis: Staff would continue to administer existing agreements.

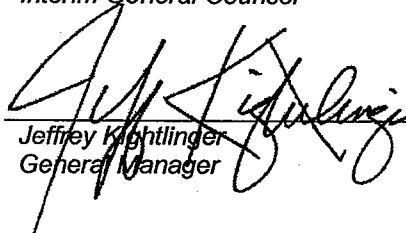
Staff Recommendation

Option #1



 Marcia L. Scully
 Interim General Counsel

6/2/2011
Date



 Jeffrey Kightlinger
 General Manager

6/2/2011
Date

Attachment 1 – Rate Structure Integrity Provisions adopted by Metropolitan on December 14, 2004

Attachment 2 – San Diego County Water Authority Incentive Agreements

Ref# I12612455

**Rate Structure Integrity Provisions
adopted by Metropolitan's Board of Directors on December 14, 2004**

1. **[Recipient]** and **[Member Agency]** if different than **Recipient** agree and understand that Metropolitan's rate structure as of January 1, 2004 ("Existing Rate Structure") provides the revenue necessary to support the development of new water supplies by local agencies through incentive payments in the Local Resources Program (LRP), Conservation Credits Program (CCP), and the Seawater Desalination Program (SDP). In particular, the Water Stewardship Rate is the component of Existing Rate Structure that provides revenue for the LRP, CCP and SDP. Further, **[Recipient]** and **[Member Agency]** acknowledge that Existing Rate Structure and all components within that rate structure were developed with extensive public input and member agency participation, and that the elements of Existing Rate Structure have been properly adopted in accordance with Metropolitan's rules and regulations.
2. (a) **[Recipient]** and **[Member Agency]** agree that Metropolitan's rates set under the Existing Rate Structure may be reset throughout the term of this Agreement to account for the cost of service, and that **[Recipient]** and **[Member Agency]** will address any and all future issues, concerns and disputes relating to Existing Rate Structure, through administrative opportunities available to them pursuant to Metropolitan's public board process. As such, **[Recipient]** and **[Member Agency]** agree if they file or participate in litigation or support legislation to challenge or modify Existing Rate Structure, including changes in overall rates and charges that are consistent with the current cost-of-service methodology, Metropolitan may initiate termination of this agreement consistent with Paragraph 4 below. Metropolitan agrees that any change in Existing Rate Structure, including changes in cost-of-service philosophy or methodology would be enacted only after collaboration and discussion with its member public agencies, and Metropolitan's public board review and approval process.
(b) Notwithstanding the foregoing, **[Recipient]** and **[Member Agency]** retain the right to file and/or participate in litigation and/or to support legislation without triggering the termination of this agreement if there are material changes to Existing Rate Structure or changes in cost-of-service methodology used to set rates by future Metropolitan board action. **[Recipient]** and **[Member Agency]** also retain the right to file and/or support litigation should Metropolitan, in setting rates under Existing Rate Structure, fail to comply with public notice, open meeting, or other legal requirements associated with the process of setting water rates and related taxes, fees, and charges. **[Recipient]** and **[Member Agency]** agree that they will not file or participate in litigation, nor will they support legislation affecting Metropolitan's rate structure after any such change in rate structure or violation of the law regarding rate setting processes until, and unless, they have exhausted all administrative opportunities available to them pursuant to Metropolitan's public board process.
3. **[Recipient]** and **[Member Agency]** agree that all users of the Metropolitan conveyance and distribution system should support the LRP, CCP, and SDP, that such projects provide benefits to Metropolitan and the users of the system by making existing distribution and conveyance capacity available for additional delivery, and that under Existing Rate Structure, the Water Stewardship Rate is an element of charges properly adopted by the Metropolitan Board and properly applied to water wheeled through the Metropolitan conveyance and distribution system.

4. Should **[Recipient]** or **[Member Agency]** file or support litigation, or sponsor or support legislation, that would challenge or be adverse to Existing Rate Structure, as described in Paragraph (a) of Section 2, Metropolitan's Chief Executive Officer may file a 90-day notice of intent to terminate this Agreement with Metropolitan's Executive Secretary, with copies to all members of Metropolitan's Board of Directors, and contemporaneously provide **[Recipient]** and **[Member Agency]** with a copy of the notice. Within 30 days of receipt of such notice, **[Recipient]** and **[Member Agency]** shall have the right to request, in writing, mediation of the dispute by a neutral third party with expertise in finance and rate setting. The mediator shall be selected by agreement of the parties, or failing agreement within 60 days of such request for mediation, a mediator shall be selected by the Metropolitan Board of Directors from a list of at least four candidates, one each from **[Recipient]** and **[Member Agency]**, and two of which will be supplied by Metropolitan's Chief Executive Officer. The cost of the mediation shall be borne equally by the parties. The request for mediation shall also serve to stay the 90-day notice of intent to terminate, but for no more than 90 days beyond the filing of the notice of request for mediation, unless otherwise agreed in writing by the parties. If mediation does not result in an agreement acceptable to each party to this Agreement within the time provided herein, the notice of intent to terminate shall be reinstated. The Metropolitan Board of Directors shall act to approve or disapprove termination of this Agreement, and all of Metropolitan's obligations hereunder shall terminate if approved, on or before the ninetieth day following filing of the notice to terminate or, if mediation has been requested as described above, the ninetieth day following the request for mediation (or other date agreed in writing by the parties.)

5. Metropolitan and **[Recipient]** and **[Member Agency]** agree that should litigation or legislation brought forth or sponsored by third parties result in changes to Existing Rate Structure, this Agreement will continue in effect unless mutually agreed in writing by the parties.

6. Should Metropolitan and its member agencies agree on an alternative rate and revenue structure that obviates the need for this section on Rate Structure Integrity, this section shall be amended or deleted to conform to such action.

7. Notwithstanding the foregoing, Metropolitan shall have no power or authority under this Section to terminate this Agreement, and Metropolitan's Chief Executive Officer shall not file a 90-day notice of intent to terminate this Agreement, if a **[Member Agency]** (but not the **[Recipient]**) files or participates in any litigation or supporting legislation to challenge or modify Existing Rate Structure, but the **[Recipient]** transmits a writing to Metropolitan's Chief Executive Officer within thirty (30) days of request therefore from Metropolitan, stating that **[Recipient]** has not participated directly or indirectly in the filing or prosecution of any litigation or the drafting or advocacy of any legislation to challenge or modify Existing Rate Structure, and indicates support for Existing Rate Structure.

Note: **[Recipient]** refers to project owner.

San Diego County Water Authority Incentive Agreements

Subject to termination:

Agreement	Target Yield	Max. Payable* (\$1,000)	Funded (4-30-2011) (\$1,000)	Balance (\$1,000)
1. Enhanced Conservation Program – Landscape water conservation training	2,362 AF	\$143	\$124	\$19
2. Enhanced Conservation Program – Conversion project to climate appropriate landscape	5,829 AF	\$1,125	\$535	\$590
3. Regional Commercial Program – Commercial incentives	TBD	N/A	\$6,500	N/A
4. Regional Residential Program – Residential incentives	TBD	N/A	\$9,000	N/A
5. Local Resources Program – Water Recycling and Groundwater Recovery incentives (Ramona)	340 AFY	\$1,280	\$21	N/A

Subject to deferral:

6. Carlsbad Seawater Desalination Project	56,000 AFY	\$350,000 (est.)	\$0	N/A
7. Agricultural Conservation Program – Agricultural incentives	N/A	N/A	\$0	N/A
8. Innovative Conservation Program – Flow control valve research project	N/A	\$11	\$0	N/A



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RECEIVED

AUG 30 2010

GENERAL MANAGER

Office of the General Manager

August 25, 2010

Ms. Maureen A. Stapleton
General Manager
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123

Dear Ms. Stapleton:

Notice of Intent to Initiate Process to Consider
Termination of Incentive Agreements with the Water Authority

The agreements listed below between Metropolitan and the San Diego County Water Authority (Water Authority) contain provisions allowing The Metropolitan Water District of Southern California (Metropolitan) to file a 90-day notice of intent to consider terminating agreements should the Water Authority file litigation challenging Metropolitan's rate structure. In June 2010, the Water Authority initiated litigation challenging Metropolitan's water rates and charges for fiscal year 2010/11. Consequently, Metropolitan's Board of Directors at its August 17, 2010, meeting directed staff to initiate the process outlined in the rate structure integrity provisions.

Incentive Program	Existing Agreement	Number
Conservation	Regional Commercial Program	66654
Conservation	Regional Residential Program	78189
Enhanced Conservation	Landscape Auditor Interns	011-2006
Enhanced Conservation	Smart Landscape Grant Program Expansion	024-2007

This letter is the official 90-day notice of Metropolitan's intent to consider termination of the above listed agreements between Metropolitan and the Water Authority.

Within 30 days of receipt of this notice, the Water Authority has the right to request, in writing, mediation of the dispute by a neutral third party with expertise in finance and rate setting. The request for mediation would serve to stay the 90-day notice of intent to terminate, but for no more than 90 days beyond the filing of the notice of request for mediation. If the termination process advances, Metropolitan's Board of Directors will ultimately make the decision on whether to terminate the agreements. Payment of the incentives for this program will continue pending the decision by the Board following the 90-day notice period.

700 N. Alameda Street, Los Angeles, California 90012 • Mailing Address: Box 54153, Los Angeles, California 90054-0153 • Telephone (213) 217-6000

Ms. Maureen A. Stapleton
Page 2
August 25, 2010

Metropolitan's Board of Directors also directed staff to defer execution of the following three agreements currently pending with the Water Authority, as termination proceedings would begin immediately upon execution:

Incentive Program	Pending Agreement	Number
Conservation	Agricultural Conservation Program	113401
Innovative Conservation	Flow control valve research project	91694
Seawater Desalination	Carlsbad Seawater Desalination Project	70025

If you have any questions, please contact me at (213) 217-6211 or via email at jkightlinger@mwdh2o.com.

Very truly yours,


Jeffrey Kightlinger
General Manager

WAT:jc
o:\alst\2010\WAT_SDCWA Agreement Termination_Notice v3.doc

cc: Board of Directors
Executive Secretary



San Diego County Water Authority

4677 Overland Avenue • San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org


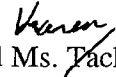
February 10, 2011

MEMBER AGENCIES

- Carlsbad Municipal Water District
- City of Del Mar
- City of Escondido
- City of National City
- City of Oceanside
- City of Poway
- City of San Diego
- Fallbrook Public Utility District
- Helix Water District
- Lakeside Water District
- Olivenhain Municipal Water District
- Otay Water District
- Padre Dam Municipal Water District
- Camp Pendleton Marine Corps Base
- Rainbow Municipal Water District
- Ramona Municipal Water District
- Rincon del Diablo Municipal Water District
- San Dieguito Water District
- Santa Fe Irrigation District
- South Bay Irrigation District
- Vallecitos Water District
- Valley Center Municipal Water District
- Vista Irrigation District
- Yuma Municipal Water District

Jeffrey Kightlinger, General Manager
Karen Tachiki, General Counsel
Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153

Re: Notice of Payment Under Protest and Demand for Establishment of Escrow Account and Refund

Dear Mr.  Kightlinger and Ms.  Tachiki:

This letter constitutes notice to the Metropolitan Water District of Southern California that all payments made by the San Diego County Water Authority on or after January 1, 2011 on account of billings made by Metropolitan for delivery or exchange of water pursuant to the Amended and Restated Agreement Between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water entered into as of October 10, 2003 (“Exchange Agreement”) are made under protest for the reasons at issue in *San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.*, San Francisco Superior Court Case No. CPF-10-510830 (“the Rate Case”).

Pursuant to section 12.4(c) of the Exchange Agreement, the Water Authority hereby makes formal demand that Metropolitan establish a separate interest-bearing account for the deposit of the Disputed Amount as defined below (“Escrow Account”). Pursuant to section 12.4(c), the funds in the Escrow Account may not be used by Metropolitan until there has been a resolution of the Rate Case.

Although Metropolitan has refused the Water Authority’s request for a copy of Metropolitan’s rate modeling program, we have used available Metropolitan information to produce an estimate of the amount of the Water Authority’s overpayments for calendar year 2011 under the rates established by Metropolitan on April 13, 2010, which became effective on January 1, 2011. The estimated annual gross overpayment is \$37,824,313. Because Metropolitan bills the Water Authority under the Exchange Agreement in equal monthly installments, the Disputed Amount of protested payments to be placed each month into the Escrow Account is \$3,152,026. The Water Authority recognizes that a small portion of the \$37,824,313 overpayment would be reallocated to the Water

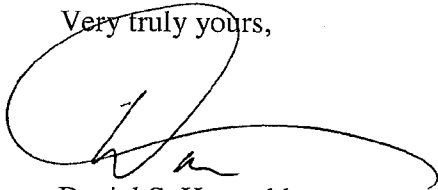
A public agency providing a safe and reliable water supply to the San Diego region

Authority through payments made for its purchases of Metropolitan supplies, but the Exchange Agreement requires escrow of the entire Disputed Amount.

It is especially important now – as Metropolitan deliberates multi-billion dollar projects and retail agencies make long-term water supply investment decisions – that Metropolitan's supply rate is accurate, transparent, lawful and fully paid by those purchasing Metropolitan water. While removing the supply charge from the rates imposed by Metropolitan for transportation will have no effect on the collection of revenues by Metropolitan necessary for the operation of its water conveyance system, it will impact the relative cost of water paid by other member agencies. That information is critical as retail agencies make conservation and water supply investment decisions at the local level.

The basis for the Water Authority's estimate of the Disputed Amount is shown on the attached spreadsheet. If you have any questions or need further information regarding this demand letter, please let me know. Otherwise, please immediately confirm the steps you are taking to implement Metropolitan's compliance with Section 12.4 (c) of the Exchange Agreement.

Very truly yours,



Daniel S. Hentschke
General Counsel

c: Water Authority Board of Directors
Maureen Stapleton, Water Authority General Manager

Enclosure (spreadsheet detailing calculation of Disputed Amount)

Calendar Year 2011 Calculation of Disputed Amount per Amended Exchange Agreement

	Revenue Requirements		SWP Requirements		Other District Requirements		Local Water Supply Development	
	Revenue	\$/AF	Revenue	\$/AF	Revenue	\$/AF	Revenue	\$/AF
CURRENT MWD ALLOCATION								
Melded Supply (Tier 1, Tier 2, IAWP) ⁽¹⁾	\$ 273,187,311	\$170	\$ 93,650,772	\$53	\$ 179,536,539	\$117	\$ -	\$0
System Access	387,936,485	\$204	195,205,670	\$101	192,730,815	\$103	\$ -	\$0
System Power	242,488,974	\$127	181,389,515	\$94	61,099,459	\$33	\$ -	\$0
Water Stewardship	76,700,957	\$41	-	\$0	-	\$0	76,700,957	\$41

	CORRECTED ALLOCATION		SWP Requirements		Other District Requirements		Local Water Supply Development	
	Revenue	\$/AF	Revenue	\$/AF	Revenue	\$/AF	Revenue	\$/AF
Melded Supply (Tier 1, Tier 2, IAWP)	\$ 726,483,453	\$406	\$ 470,245,957	\$248	\$ 256,237,496	\$158	\$ -	\$0
System Access	192,730,815	\$103	-	\$0	192,730,815	\$103	\$ -	\$0
System Power	61,099,459	\$33	-	\$0	61,099,459	\$33	\$ -	\$0
Water Stewardship	-	\$0	-	\$0	-	\$0	-	\$0

CALCULATION OF ESTIMATED OVERPAYMENT
 CY 2011 QSA Volume (AF) 160,200 AACLP + CCLP + IID Transfer or 56,200AF + 24,000AF + 80,000AF = 160,200AF

Misallocated Components of Current Exchange Rate	Annual	Monthly	Exchange Rate X QSA Volume or (\$101+\$94+\$41) x 160,200 AF = \$37,824,313
System Access	\$101		
System Power	\$94		
Water Stewardship	\$41		
Gross Misallocation	\$37,824,313		
Annual			
Monthly		\$3,152,026	Annual misallocation / 12 months or \$37,824,313/12 = \$3,152,026

⁽¹⁾ Calculated as a weighted average. Assume 94% Tier 1, 2% Tier 2, 3% IAWP



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

May 4, 2012

Maureen A. Stapleton
General Manager
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233

April 26, 2012 SDCWA Letter re Request for Negotiation under Paragraph 11.1 of the Amended and Restated Agreement between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water dated October 10, 2003 ("Exchange Agreement")

Dear Ms. Stapleton:

This letter responds to your letter of April 26, 2012 requesting a negotiation meeting under Paragraph 11.1 of the Exchange Agreement.

First, as is apparent from the Water Authority's pending litigation against Metropolitan, the Authority's dispute with respect to the Exchange Agreement and Metropolitan's rates solely concerns Metropolitan's rate structure that was approved by its Board of Directors in 2001 and took effect in 2003. The rates for 2013 and 2014 that the Board adopted in April 2012 are based on this rate structure. Pursuant to California law, the Board's rate-setting decisions are legislative acts that the Board determined by a majority vote in a publicly noticed, open session. The Board engaged in a months-long process, in which the Water Authority and many others fully participated, to set the 2013 and 2014 rates based on the existing rate structure. Indeed, your letter acknowledges:

"The Water Authority presented oral testimony and documents for inclusion in the record of the March 12 and 13 and April 9 and 10, 2012 meetings of the Finance and Insurance Committee and Board of Directors, which testimony and documents stated the basis for the Water Authority's objections to these rates. The Water Authority has exhausted all administrative opportunities available to it pursuant to Metropolitan's public board process."

There is no "meeting between our respective staff and board leadership," as you have requested, which could reverse the Board's majority vote.

MWD2010-00192768

Maureen A. Stapleton
May 4, 2012
Page 2

Second, as you know, the parties have already engaged in and completed dispute resolution under Paragraph 11.1. The Water Authority sent a nearly identical letter to Metropolitan on May 3, 2010, before the Water Authority filed its litigation. Metropolitan accepted the Water Authority's offer to engage in negotiations, and the Water Authority responded in a June 7, 2010 letter that "[t]he Water Authority team looks forward to beginning negotiations and hopes that we will be able to come to an agreement without the need for protracted litigation."

Representatives of Metropolitan and the Water Authority met and engaged in negotiations on June 23, 2010, despite the fact that the Water Authority had proceeded with filing a lawsuit on June 11, 2010. As the Water Authority subsequently stated in a June 30, 2010 letter: "the Water Authority and Metropolitan have satisfied the requirement of paragraph 11.1 of the 2003 exchange agreement to use reasonable best efforts to resolve all disputes, including Price Disputes, arising under the agreement by negotiation before resorting to legal or equitable remedies." The Water Authority also stated its opinion that "further negotiations [sic] would not be productive" Thereafter, in February 2011, the Water Authority requested and Metropolitan agreed to place the Authority's payments under the Exchange Agreement in a separate interest-bearing account.

Metropolitan is not aware of any areas of negotiation between the Water Authority and Metropolitan that were not already exhausted, and that are not legislative decisions that under California law only Metropolitan's Board can make through majority vote. However, if the Water Authority believes there are any areas of further negotiation that would be productive, please let us know.

Separately, your letter asks Metropolitan to confirm that there is not "any further requirement or administrative opportunity available to [the Water Authority] pursuant to Metropolitan's public board process to contest whether the action taken by Metropolitan's Board of Directors is lawful." You are correct that the Water Authority has fully engaged in Metropolitan's public Board process concerning its adoption of its 2013 and 2014 rates.

Accordingly, we see no need for a further meeting at this time pursuant to Paragraph 11.1 of our agreement, but feel free to contact us if you believe there are items that we could fruitfully discuss.

Very truly yours,


Jeffrey Kightlinger
General Manager

cc: Marcia Scully, General Counsel, Metropolitan Water District of Southern California

MWD2010-00192769



San Diego County Water Authority

4677 Overland Avenue * San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org

Oct. 2, 2012

Mr. Gary Breaux
Assistant General Manager/Chief Financial Officer
Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153

MEMBER AGENCIES

- Carlsbad Municipal Water District
- City of Del Mar
- City of Escondido
- City of Imperial City
- City of Oceanside
- City of Poway
- City of San Diego
- Fellbrook ADA/ Utility District
- Home Water Users of Lawrence Water District
- Imperial Municipal Water District
- Chico Water District
- Imperial Valley Municipal Water District
- Central Pecos/Imperial County Water District
- Imperial Municipal Water District
- San Jacinto Municipal Water District
- Imperial Valley Municipal Water District
- San Diego Water District
- San Felipe Municipal Water District
- South Bay Municipal Water District
- Wheatland Municipal Water District
- Wiley Center Municipal Water District
- Yuma Municipal Water District

Re: Amended and Restated Exchange Agreement – Price Dispute Remedies

Dear Mr. Breaux:

I am the newly appointed Finance Director/Treasurer for the San Diego County Water Authority. I started in August, 2012 and wanted to introduce myself.

One of my first priorities is to research and review all major contracts and agreements the Water Authority has entered into. One such document is the “Amended and Restated Exchange Agreement” between the Water Authority and Metropolitan entered into on October 10, 2003 (excerpts attached). I am documenting the price disputes between the Water Authority and Metropolitan and want to reconcile our records to Metropolitan’s records, which per Section XII “*Events of Default: Remedies*” subsection 12.4(c) should be in a separate interest bearing account. I cannot find that we have received copies of these bank statements in the past, can you please provide the following information to me so I may finish this reconciliation and report back to our management and our Board:

- All bank statements, for this interest bearing account only, for calendar year 2011 and calendar year-to-date 2012 (one-year summaries are acceptable as long as they are adequately detailed showing deposits and interest earned during the year)

If all bank statements are not readily available, then:

- Name and address of the financial institution holding the deposit
- Account number
- All records showing deposits and interest earnings to date
- Internal bank reconciliations for separate interest bearing account

Thank you in advance for your assistance, I look forward to working with you in the future. If at all possible, I would appreciate a response to this request for information by

A public agency providing a safe and reliable water supply to the San Diego region

Mr. Gary Breaux
October 2, 2012
Page 2 of 2

Thursday, October 11, 2012 so that I may have enough time to prepare for our Board meeting the following week. Please do not hesitate to contact me at 858-522-6671 or by email at tmccraner@sdewa.org. Sorry to make our introduction a work request!

Kind regards,

A handwritten signature in cursive script that reads "Tracy McCraner". The signature is written in black ink and is positioned above the printed name.

Tracy McCraner, Director of Finance/Treasurer

Enclosure

**AMENDED AND RESTATED AGREEMENT BETWEEN THE
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
AND THE SAN DIEGO COUNTY WATER AUTHORITY
FOR THE EXCHANGE OF WATER**

THIS AMENDED AND RESTATED AGREEMENT FOR THE EXCHANGE OF WATER ("Agreement") is made and entered into as of October 10, 2003, between The Metropolitan Water District of Southern California (hereinafter "Metropolitan") and the San Diego County Water Authority (hereinafter "SDCWA"). Metropolitan and SDCWA are sometimes referred to as the "Parties".

RECITALS

A. SDCWA is a county water authority incorporated under the California County Water Authority Act, Stats. 1943, c.545 as amended, codified at Section 45-1 *et seq.* of the Appendix to the California Water Code, for the purpose of providing its member agencies in San Diego County with a safe, reliable, and sufficient supply of imported water.

B. Metropolitan is a public agency of the State of California incorporated under the Metropolitan Water District Act, Stats. 1969, ch. 209, as amended, codified at Section 109.1 *et seq.* of the Appendix to the California Water Code, engaged in transporting, storing and distributing water in the counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura, within the State of California.

C. SDCWA is a member agency of Metropolitan.

liability or responsibility of any kind with respect to the matters assigned to SDCWA under the Allocation Agreement.

XI.

DISPUTE RESOLUTION

11.1 Reasonable Best Efforts to Resolve by Negotiation. The Parties shall exercise reasonable best efforts to resolve all disputes, including Price Disputes, arising under this Agreement through negotiation; provided, however, that SDCWA shall not dispute whether the Price determined pursuant to Paragraph 5.2 for the first five (5) Years of this Agreement was determined in accordance with applicable law or regulation (a "Price Dispute"). In the event negotiation is unsuccessful, then the Parties reserve their respective rights to all legal and equitable remedies.

XII.

EVENTS OF DEFAULT; REMEDIES

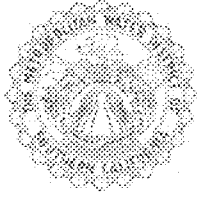
12.1 Events of Default by SDCWA. Each of the following constitutes an "Event of Default" by SDCWA under this Agreement if not cured within 30 days of receiving written notice from Metropolitan of such matter:

- (a) Subject to Paragraphs 7.2 and 9.1, SDCWA fails to Make Available to Metropolitan Conserved Water or Canal Lining Water, as required under this Agreement.
- (b) SDCWA fails to perform or observe any other term, covenant or undertaking that it is to perform or observe under this Agreement.

(b) So long as no Event of Default as defined in Paragraph 12.1(a) has occurred and is continuing, and so long as SDCWA tenders to Metropolitan full payment of the Agreement Price when due, Metropolitan shall not suspend or delay, in whole or in part, delivery of Exchange Water as required under this Agreement on account of any breach, or alleged breach, by SDCWA unless first authorized to do so by a final judgment. So long as no Event of Default as defined in Paragraph 12.2(a) has occurred and is continuing, SDCWA shall not suspend or delay, in whole or in part, Making Available Conserved Water and/or Canal Lining Water as required under this Agreement on account of any breach, or alleged breach, by Metropolitan unless first authorized to do so by a final judgment. A violation of the provisions of this subparagraph (b) may be remedied by an order of specific performance.

(c) In the event of a dispute over the Price, SDCWA shall pay when due the full amount claimed by Metropolitan; provided, however, that, during the pendency of the dispute, Metropolitan shall deposit the difference between the Price asserted by SDCWA and the Price claimed by Metropolitan in a separate interest bearing account. If SDCWA prevails in the dispute, Metropolitan shall forthwith pay the disputed amount, plus all interest earned thereon, to SDCWA. If Metropolitan prevails in the dispute, Metropolitan may then transfer the disputed amount, plus all interest earned thereon, into any other fund or account of Metropolitan.

12.5 Cumulative Rights and Remedies. The Parties do not intend that any right or remedy given to a Party on the breach of any provision under this Agreement be exclusive; each



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

October 15, 2012

Ms. Tracy McCraner
Director of Finance/Treasurer
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233

Dear Ms. McCraner:

Balance in separate interest bearing account as provided in Section 12.4(c) of the Exchange Agreement

In response to your request in your letter dated October 2, 2012, the balance in the separate account as of September 30, 2012 is \$57,425,309.11. This balance is made up of disputed amounts for Exchange Water deliveries from January 2011 through July 2012 of \$56,892,048 (241,068 TAF x \$236/AF), and interest of \$533,261.11 (see enclosed schedule).

As described in the letter dated February 24, 2011 from Karen Tachiki, General Counsel, Metropolitan Water District, to Daniel Hentschke, General Counsel, San Diego County Water Authority, the amounts that are in dispute are being set aside in a separate account, and interest is being credited on a monthly basis, using the effective yield earned during the month on Metropolitan's investment portfolio.

If you have any questions, please contact me at 213-217-7121, or at gbreaux@mwdh2o.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary Breaux".

Gary Breaux
Chief Financial Officer

GB:jg

Enclosure



San Diego County Water Authority

4677 Overland Avenue • San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org

February 5, 2013

MEMBER AGENCIES

Carlsbad
Municipal Water District

City of Del Mar

City of Escondido

City of National City

City of Oceanside

City of Poway

City of San Diego

Fallbrook
Public Utility District

Helix Water District

Lakeside Water District

Olivenhain
Municipal Water District

Otay Water District

Padre Dam
Municipal Water District

Camp Pendleton
Marine Corps Base

Rainbow
Municipal Water District

Ramona
Municipal Water District

Rincón del Diablo
Municipal Water District

San Dieguito Water District

Santa Fe Irrigation District

South Bay Irrigation District

Vallecitos Water District

Valley Center
Municipal Water District

Vista Irrigation District

Yuma
Municipal Water District

OTHER REPRESENTATIVE

County of San Diego

Jeffrey Kightlinger, General Manager
Marcia Scully, General Counsel
Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153

Re: Notice of Payment Under Protest, Demand for Establishment of Separate Interest-Bearing Account, Demand for Refund

Dear Mr. Kightlinger and Ms. Scully:

This letter constitutes notice to the Metropolitan Water District of Southern California that all payments made by the San Diego County Water Authority on or after January 1, 2013 on account of billings made by Metropolitan for delivery or exchange of water pursuant to the Amended and Restated Agreement Between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water entered into as of October 10, 2003 ("Exchange Agreement") are made under protest for the reasons at issue in *San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.*, San Francisco Superior Court Case No. CPF-12-512466 ("the 2012 Rate Case"). Previously the Water Authority filed a similar protest with respect to payments made on or after January 1, 2011. (Please see copy of February 10, 2011 letter, attached.)

Pursuant to section 12.4(c) of the Exchange Agreement, the Water Authority hereby makes formal demand that Metropolitan establish a separate interest-bearing account for the deposit of the Disputed Amount. Pursuant to section 12.4(c), the funds in the account may not be used by Metropolitan pending and subject to final resolution of the 2012 Rate Case. For purposes of the separate interest-bearing account, the Disputed Amount means all payments of System Access Rate, Water Stewardship Rate, and System Power Rate with respect to water that is subject to the Exchange Agreement from and after January 1, 2013.

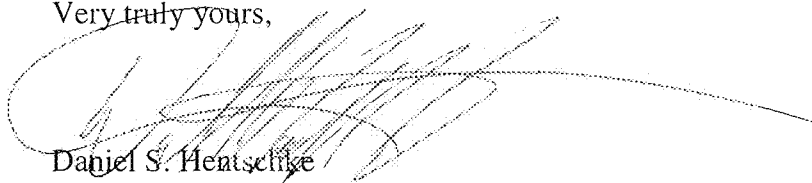
Please immediately confirm the steps you are taking to implement Metropolitan's compliance with Section 12.4(c) of the Exchange Agreement, including identification of

A public agency providing a safe and reliable water supply to the San Diego region

Metropolitan Water District of Southern California
February 5, 2013
Page 2

the specific interest bearing account, account number, and other information necessary to allow the Water Authority to independently track account deposits and interest.

Very truly yours,

A handwritten signature in black ink, appearing to read "Daniel S. Hentschke", with a long horizontal flourish extending to the right.

Daniel S. Hentschke
General Counsel

c: Water Authority Board of Directors
Maureen Stapleton, Water Authority General Manager



San Diego County Water Authority

4677 Overland Avenue • San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org

February 10, 2011

MEMBER AGENCIES

- Carlsbad Municipal Water District
- City of Del Mar
- City of Escondido
- City of National City
- City of Oceanside
- City of Poway
- City of San Diego
- Fallbrook Public Utility District
- Helix Water District
- Lakeside Water District
- Oliverhan Municipal Water District
- Otay Water District
- Padre Dam Municipal Water District
- Camp Pendleton Marine Corps Base
- Rainbow Municipal Water District
- Ramona Municipal Water District
- Rincon del Diablo Municipal Water District
- San Dieguito Water District
- Santa Fe Irrigation District
- South Bay Irrigation District
- Vallecitos Water District
- Valley Center Municipal Water District
- Vista Irrigation District
- Yuima Municipal Water District

OTHER REPRESENTATIVE

County of San Diego

Jeffrey Kightlinger, General Manager
 Karen Tachiki, General Counsel
 Metropolitan Water District of Southern California
 P.O. Box 54153
 Los Angeles, CA 90054-0153

Re: Notice of Payment Under Protest and Demand for Establishment of Escrow Account and Refund

Dear Mr. Kightlinger and Ms. Tachiki:

This letter constitutes notice to the Metropolitan Water District of Southern California that all payments made by the San Diego County Water Authority on or after January 1, 2011 on account of billings made by Metropolitan for delivery or exchange of water pursuant to the Amended and Restated Agreement Between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water entered into as of October 10, 2003 ("Exchange Agreement") are made under protest for the reasons at issue in *San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.*, San Francisco Superior Court Case No. CPF-10-510830 ("the Rate Case").

Pursuant to section 12.4(c) of the Exchange Agreement, the Water Authority hereby makes formal demand that Metropolitan establish a separate interest-bearing account for the deposit of the Disputed Amount as defined below ("Escrow Account"). Pursuant to section 12.4(c), the funds in the Escrow Account may not be used by Metropolitan until there has been a resolution of the Rate Case.

Although Metropolitan has refused the Water Authority's request for a copy of Metropolitan's rate modeling program, we have used available Metropolitan information to produce an estimate of the amount of the Water Authority's overpayments for calendar year 2011 under the rates established by Metropolitan on April 13, 2010, which became effective on January 1, 2011. The estimated annual gross overpayment is \$37,824,313. Because Metropolitan bills the Water Authority under the Exchange Agreement in equal monthly installments, the Disputed Amount of protested payments to be placed each month into the Escrow Account is \$3,152,026. The Water Authority recognizes that a small portion of the \$37,824,313 overpayment would be reallocated to the Water

A public agency providing a safe and reliable water supply to the San Diego region

Metropolitan Water District of Southern California

February 10, 2011

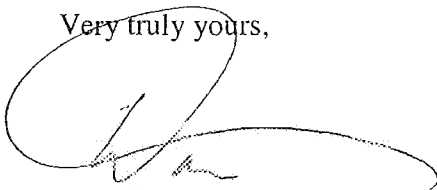
Page 2

Authority through payments made for its purchases of Metropolitan supplies, but the Exchange Agreement requires escrow of the entire Disputed Amount.

It is especially important now – as Metropolitan deliberates multi-billion dollar projects and retail agencies make long-term water supply investment decisions – that Metropolitan's supply rate is accurate, transparent, lawful and fully paid by those purchasing Metropolitan water. While removing the supply charge from the rates imposed by Metropolitan for transportation will have no effect on the collection of revenues by Metropolitan necessary for the operation of its water conveyance system, it will impact the relative cost of water paid by other member agencies. That information is critical as retail agencies make conservation and water supply investment decisions at the local level.

The basis for the Water Authority's estimate of the Disputed Amount is shown on the attached spreadsheet. If you have any questions or need further information regarding this demand letter, please let me know. Otherwise, please immediately confirm the steps you are taking to implement Metropolitan's compliance with Section 12.4 (c) of the Exchange Agreement.

Very truly yours,



Daniel S. Hentschke
General Counsel

c: Water Authority Board of Directors
Maureen Stapleton, Water Authority General Manager

Enclosure (spreadsheet detailing calculation of Disputed Amount)

Calendar Year 2011 Calculation of Disputed Amount per Amended Exchange Agreement

	Revenue Requirements	\$/AF	SWP Requirements Revenue	\$/AF	Other District Requirements Revenue	\$/AF	Local Water Supply Development Revenue	\$/AF
CURRENT MWD ALLOCATION								
Melded Supply (Tier 1, Tier 2, IAWP) ⁽¹⁾	\$ 273,187,311	\$170	\$ 93,650,772	\$53	\$ 179,536,539	\$117	\$ -	\$0
System Access	387,936,485	\$204	195,205,670	\$101	192,730,815	\$103	-	\$0
System Power	242,488,974	\$127	181,389,515	\$94	61,099,459	\$33	-	\$0
Water Stewardship	76,700,957	\$41	-	\$0	-	\$0	76,700,957	\$41
CORRECTED ALLOCATION								
Melded Supply (Tier 1, Tier 2, IAWP)	\$ 726,483,453	\$406	\$ 470,245,957	\$248	\$ 256,237,496	\$158	\$ -	\$0
System Access	192,730,815	\$103	-	\$0	192,730,815	\$103	-	\$0
System Power	61,099,459	\$33	-	\$0	61,099,459	\$33	-	\$0
Water Stewardship	-	\$0	-	\$0	-	\$0	-	\$0

CALCULATION OF ESTIMATED OVERPAYMENT

CY 2011 QSA Volume (AF)

160,200 AACLP + CCLP + IID Transfer or 56,200AF + 24,000AF + 80,000AF = 160,200AF

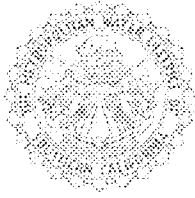
Misallocated Components of Current Exchange Rate

System Access	\$101	CY 2011 System Access Rate - costs allocable to Other District Requirements or \$204/AF - \$103AF = \$101/AF
System Power	\$94	CY 2011 System Power Rate - costs allocable to Other District Requirements or \$127/AF - \$33/AF = \$94/AF
Water Stewardship	\$41	CY 2011 Water Stewardship Rate of \$41 re-allocated to Supply rate category; no longer included in Exchange Rate

Gross Misallocation

Annual	\$37,824,313	Exchange Rate x QSA Volume or (\$101+\$94+\$41) x 160,200 AF = \$37,824,313
Monthly	\$3,152,026	Annual misallocation / 12 months or \$37,824,313/12 = \$3,152,026

⁽¹⁾ Calculated as a weighted average. Assume 94% Tier 1, 2% Tier 2, 3% IAWP



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

RECEIVED

FEB 27 2013

GEN'L COUNSEL

February 25, 2013

Ms. Maureen Stapleton, General Manager
Mr. Daniel S. Hentschke, General Counsel
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-6780

Dear Ms. Stapleton and Mr. Hentschke:

Acknowledgment of Payment Under Protest

This letter acknowledges receipt of San Diego County Water Authority's notice dated February 5, 2013, regarding payments made under protest pursuant to the 2003 Amended and Restated Agreement for the Exchange of Water.

In response to the Water Authority's February 10, 2011 protest, and in accordance with Section 12.4(c) of the Exchange Agreement, Metropolitan established a separate interest-bearing account in its General Fund for deposit of amounts disputed by the Water Authority in the lawsuit it filed entitled *San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.*, San Francisco Superior Court Case No. CPF-10-510830. This account holds disputed amounts related to payments made commencing January 1, 2011.

Your February 5, 2013 letter demands the deposit of payment amounts, commencing January 2013, disputed by the Water Authority in the lawsuit it filed entitled *San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.*, San Francisco Superior Court Case No. CPF-12-512466. Metropolitan will continue to deposit into the same interest-bearing account the disputed amount related to payments made commencing January 1, 2013. Metropolitan's deposits will be based on your 2011 letter that puts into dispute the amount of \$236 per acre-foot charged pursuant to the 2003 Exchange Agreement.

In response to your request for information regarding the separate account, I am enclosing a copy of Gary Breaux's letter to Ms. Tracy McCraner dated October 15, 2012, which provides the information. Please note that, contrary to the statement in your letter, Metropolitan is under no

Ms. Maureen Stapleton

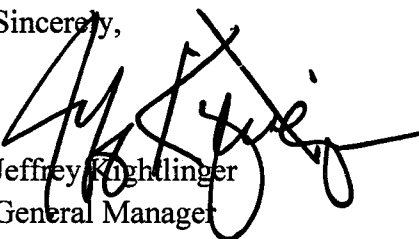
Mr. Daniel Hentschke

February 25, 2013

Page 2

obligation to refrain from using the funds in this account. In the event Metropolitan puts these funds to use for district purposes, it will continue to account for interest that would accrue on the disputed amounts and re-deposit the principal and interest when funds are available.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeffrey Kighlinger', is written over the typed name and title.

Jeffrey Kighlinger
General Manager

JK:jav

Enclosure



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

October 15, 2012

Ms. Tracy McCraner
Director of Finance/Treasurer
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233

Dear Ms. McCraner:

Balance in separate interest bearing account as provided in Section 12.4(c) of the Exchange Agreement

In response to your request in your letter dated October 2, 2012, the balance in the separate account as of September 30, 2012 is \$57,425,309.11. This balance is made up of disputed amounts for Exchange Water deliveries from January 2011 through July 2012 of \$56,892,048 (241,068 TAF x \$236/AF), and interest of \$533,261.11 (see enclosed schedule).

As described in the letter dated February 24, 2011 from Karen Tachiki, General Counsel, Metropolitan Water District, to Daniel Hentschke, General Counsel, San Diego County Water Authority, the amounts that are in dispute are being set aside in a separate account, and interest is being credited on a monthly basis, using the effective yield earned during the month on Metropolitan's investment portfolio.

If you have any questions, please contact me at 213-217-7121, or at gbreaux@mwdh2o.com.

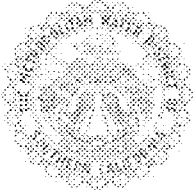
Sincerely,

A handwritten signature in black ink, appearing to read "Gary Breaux".

Gary Breaux
Chief Financial Officer

GB:jg

Enclosure



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

June 18, 2013

Director Keith Lewinger
Director Vincent Mudd
Director Fern Steiner
San Diego County Water Authority
4766 Overland Avenue
San Diego, CA 92123

Dear Directors:

Your letter dated June 7, 2013, regarding Board Memo 8-5

This letter responds to your letter to Chairman Foley and Members of the Board dated June 7, 2013, providing comments on the May 31, 2013, draft of Appendix A to the Official Statement for Metropolitan's Special Variable Rate Water Revenue Refunding Bonds, 2013 Series E, attached to board letter 8-5. It also responds to your additional questions on investments and swap policy. These were addressed in my letter of May 22, responding to your May 13 comments on the draft Official Statement for Metropolitan's Water Revenue Refunding Bonds, 2013 Series D. Chairman Foley asked me to respond to your letter.

Investment Policy. Your June 7 letter again requests a detailed report on the swap policy and investment policy, focusing on risk. Metropolitan's Statement of Investment Policy for the coming fiscal year was unanimously approved by the Finance and Insurance Committee on June 10 and the Board on June 11. The Statement of Investment Policy approved last week renews the prior year's policy (including its priorities of safety, then liquidity, then investment return) with only one change: It adds restrictions on the use of reverse repurchase agreements.

A detailed report on the swap policy will be presented in July, when the next quarterly swap report will be available, as promised in my May 22 letter and reported at the June 10 Finance and Insurance Committee meeting. This presentation will address your concerns expressed in your letter.

Interest-bearing account. Your letter requests account information for the interest-bearing account that holds the disputed amount under the Exchange Agreement. The aggregate disputed amount allocated to this account as of May 31, 2013 is \$83,276,848. Interest earnings from inception of the account in January 2011 through May 31 is \$1,087,137.17 and the account balance at May 31 is \$84,363,985.17.

SDCWA Directors

June 18, 2013

Page 2

Your most recent comments on Appendix A and our responses are set forth below.

Frequency of editorial changes to the Official Statement. In general, we are concerned with the frequency of editorial changes being made to the Official Statement that do not reflect updates to describe material events that have occurred since the last distribution of the Official Statement.

We continually strive to clarify the disclosure in the Official Statement. Many changes, editorial and otherwise, are the product of comments from outside professionals on the financing team, which bring fresh eyes to each financing, as well as Finance and Legal staff and board members.

A-30: Level of water sales estimated by MWD. The redline deletes the following sentence:

The level of water sales estimated in Metropolitan's adopted biennial budget and revenue requirements for fiscal years 2012-13 and 2013-14 reflect local supplies from the Los Angeles Aqueduct system and other systems at higher than normal levels based on hydrologic conditions that occurred in 2010 and 2011.

Why is this statement being deleted, given that there cannot possibly have been a change in the level of water sales estimated in the biennial budget?

Describing hydrologic conditions in 2010 and 2011 had become stale and was unnecessary.

A-32 Conjunctive Use. As in the case of past edits to the Official Statement relating to the Replenishment Service Program, the edits to the first full paragraph change the prior statement describing objectives to statements of fact about the purported benefits of discounted water sales. We have stated many prior objections and provided extensive comments on the inaccurate and unsupported characterizations of purported benefits from MWD's sale of discounted water.

These edits provided the termination date of the Replenishment Service Program. Because the program has ended, the program description changed from present tense to past tense.

A-32 Seawater Desalination. We have commented previously that MWD's description of Regional Water Resources and Local Water Supplies is generally misleading, because it is written in a manner that suggests MWD is, or must somehow be involved in local projects, through the payment of subsidies or otherwise. As requested in past correspondence, we believe that the Official Statement should be corrected to include discussion about the local water supply development plans that all of the member agencies have, not just the City of

SDCWA Directors

June 18, 2013

Page 3

Los Angeles. See, for example, our letter dated November 5, 2012 at page 3, *Discrepancy for standard of reporting local water supply development*.

Given that the MWD Seawater Desalination Program incentive agreement referenced in the statement was not signed, we suggest that the last paragraph on page A-32 be edited to read as follows:

In November 2012, SDCWA approved a water purchase agreement with Poseidon Resources LLC (Poseidon) for a seawater desalination project in Carlsbad (the “Carlsbad Project”) for a minimum of 48,000 acre-feet and a maximum of 56,000 acre-feet per year. The Carlsbad Project is under construction and is anticipated to be completed in 2016.

The rest of the paragraph is not relevant; what the investor needs to know is that MWD sales will be reduced by the Carlsbad Project.

The intent of the entire “REGIONAL WATER RESOURCES” section is to describe sources of water, other than supplemental supplies from Metropolitan, that are available to water users in our service area. We will remove information about the now-superseded desalination program agreement for the Carlsbad project.

A-45: MWD Revenues – ad valorem property taxes. We recommend you delete the last sentence because it does not accurately reflect the legislative history of the statutory limitation on MWD’s authority to levy ad valorem property taxes.

The legislative history of section 124.5 of the MWD Act shows that the Legislature gave a majority of Metropolitan’s Board the discretion to determine whether to suspend the tax rate limit. The sentence describes factors to be considered by the Board. This paragraph will be updated to reflect the Board action last Tuesday.

A-58: Investment of moneys in funds and accounts. What changes have occurred since the last Official Statement in May requiring MWD to add the disclosure that, “the market value of Metropolitan’s investment portfolio is subject to market fluctuation and volatility and general economic conditions?”

This sentence merely was moved from the body of the Official Statement to Appendix A.

SDCWA Directors

June 18, 2013

Page 4

A-79: Financial projections that take into account actual results of operations and assumed water sales. The following text, which describes the basis of the projected revenues and expenditures, is deleted:

The projected financial information relating to fiscal year 2012-13 in the following table is based on a financial projection as of December 31, 2012 which takes into consideration actual results of operations through December 31, 2012, projections for the period of January through June 2013 and assumes sales of 1.74 million acre-feet. Based on actual results of operations through March 31, 2013 and projections for the period of April through June 2013, Metropolitan now projects for fiscal year 2012-13 that water sales will increase to 1.81 million acre-feet, Parity Bonds Debt Service Coverage will be 2.24, Debt Service Coverage on all Obligations will be 2.23, and Fixed Charge Coverage will be 1.70.

Footnote (a) now states:

Projected revenues and expenditures are based on assumptions and estimates used in the adopted 2012-13 and 2013-14 biennial budget and reflect the projected issuance of additional bonds. Projected revenues and expenditures for fiscal year 2012-13 include actual financial results for July 2012-March 2013 with revised projections for the balance of the fiscal year.

What necessitated this change in the description of the basis of MWD's statement of historical and projected revenues and expenditures? Or, please confirm if no change in the process has been made or is intended to be described.

The paragraph quoted above introduced a table of historical and projected revenues and expenditures that showed financial information based on projections that took into account actual results through December 31, 2012. The lead-in paragraph provides additional projections based on actual results through March 31, 2013. The March 31 projections were incorporated in the table contained in the May 31 Official Statement draft, as explained in footnote (a), making it unnecessary to include these same projections in the introductory paragraph.

A-82: Cost of service. MWD should disclose that it does not believe that statutory and constitutional requirements limiting how much a utility may charge for its services apply to MWD. This could be done by adding the following sentence at the end of the second full paragraph:

Metropolitan contends that this is the sole legal requirement affecting the setting of its rates and charges and that cost-of-service industry standards and legal limitations,

SDCWA Directors

June 18, 2013

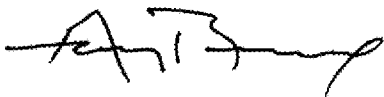
Page 5

including but not limited to Proposition 26, do not apply to Metropolitan. See “METROPOLITAN REVENUES—Litigation Challenging Rate Structure” in this Appendix A.

We decline your suggestion to revise the reference to cost of service on page A-82. First, your proposed language is inapt in that the paragraph that you seek to revise discusses near-term historical and projected financial performance, whereas your language purports to address generally Metropolitan’s cost-of-service approach to rates and charges and the litigation. Second, even if the discussion were apt, it is unnecessary. The Official Statement already informs investors regarding Metropolitan’s cost-of-service approach to rates and charges, as well as the principles underlying that approach and Metropolitan’s understanding that the approach is lawful. (See “METROPOLITAN REVENUES—Rate Structure” and “MANAGEMENT’S DISCUSSION OF HISTORICAL AND PROJECTED REVENUES AND EXPENDITURES.”) And, as you acknowledge, it already includes a substantial discussion of the litigation and an assessment of its possible effects on rates, charges and revenues. (See “METROPOLITAN REVENUES—Litigation Challenging Rate Structure.”) It is quite clear to investors that Metropolitan and SDCWA disagree on the relevant law. Third, and perhaps most important, your proposed language is inappropriate because it would mislead, not inform, investors. The proposed language mischaracterizes the record in the litigation and misstates Metropolitan’s cost-of-service approach.

We appreciate your careful review of the Official Statement.

Sincerely,



Gary Breaux
Assistant General Manager/Chief Financial Officer

cc: J. Kightlinger
M. Scully
MWD Board of Directors
SDCWA Board of Directors and Member Agencies

1 Bingham McCutchen LLP
JAMES J. DRAGNA (SBN 91492)
2 COLIN C. WEST (SBN 184095)
THOMAS S. HIXSON (SBN 193033)
3 Three Embarcadero Center
San Francisco, California 94111-4067
4 Telephone: 415.393.2000
Facsimile: 415.393.2286

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6 JAMES J. BROSNAHAN (SBN 34555)
SOMNATH RAJ CHATTERJEE (SBN 177019)
7 425 Market Street
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9 MARCIA SCULLY (SBN 80648)
10 SYDNEY B. BENNION (SBN 106749)
HEATHER C. BEATTY (SBN 161907)
11 The Metropolitan Water District Of Southern California
700 North Alameda Street
12 Los Angeles, California 90012-2944
Telephone: 213.217.6000
13 Facsimile: 213.217.6980

14 Attorneys for Respondent and Defendant
Metropolitan Water District of Southern
15 California

17 SUPERIOR COURT OF THE STATE OF CALIFORNIA

18 COUNTY OF SAN FRANCISCO

19 SAN DIEGO COUNTY WATER AUTHORITY,

20 Petitioner and Plaintiff,

21 v.

22 METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA; et al.,

23 Respondents and Defendants.
24

Case No. CPF-12-512466

**RESPONDENT AND DEFENDANT
METROPOLITAN WATER
DISTRICT OF SOUTHERN
CALIFORNIA'S RESPONSES TO
SDCWA'S SECOND SET OF
SPECIAL INTERROGATORIES
(NOS. 7-13)**

25 **PROPOUNDING PARTY:** San Diego County Water Authority

26 **RESPONDING PARTY:** Metropolitan Water District of Southern California

27 **SET NUMBER:** Two
28

1 15. MWD objects to these Interrogatories to the extent they are compound and/or
2 complex.

3 **SPECIFIC OBJECTIONS AND RESPONSES**

4 **INTERROGATORY NO. 7:**

5 Identify with particularity each cost assessed to MWD by the Department of Water
6 Resources (DWR), under the November 4, 1960 Contract for a Water Supply between MWD and
7 DWR, as amended, that MWD classified as costs that MWD pays to DWR for transportation
8 services for purposes of setting MWD's rates for the 2013 and 2014 calendar years.

9 **RESPONSE TO INTERROGATORY NO. 7:**

10 MWD incorporates herein by reference each of its general objections and reservations set
11 forth above. MWD objects to the Interrogatory in that it seeks information that is neither relevant
12 to the subject matter of this proceeding nor reasonably calculated to lead to the discovery of
13 admissible evidence. MWD further objects that the Interrogatory is compound. Subject to and
14 without waiving the foregoing objections, MWD responds as follows:

15 MWD's rates are set prospectively using revenue requirements based on the proposed
16 budget, not assessed to cover costs already incurred, as described in this response.

17 The Cost of Service process was developed in conjunction with unbundling of the water
18 rates, approved by the MWD Board of Directors in October 2001 (MWDRECORD2012-005698-
19 005753), first implemented for the water rates effective January 1, 2003 (MWDRECORD2012-
20 005698-005737), and reviewed with the Board in a Cost of Service workshop on September 22,
21 2009 (MWDRECORD2012-010666-010704). The Board considered proposed changes to the
22 Cost of Service allocations and affirmed the existing Cost of Service methodology at the
23 November 2009 Board meeting (MWDRECORD2012-010769-010791). The four steps in the
24 process are (1) developing the proposed revenue requirement; (2) assigning costs to service
25 functions; (3) classifying costs based on their causes and behavioral characteristics; and (4)
26 allocating costs to the respective rate elements. This multi-step process was explained in MWD's
27 Response to Interrogatory No. 2 in MWD's Supplemental Responses to SDCWA's First Set of
28 Special Interrogatories and detailed in the six Cost of Service reports, Attachments 2-7, in Board

1 Letter 8-1 for April 2012 (MWDRECORD2012-016594-016844). These attachments provide a
2 fiscal year 2012/13 Cost of Service report and a fiscal year 2013/14 Cost of Service report for
3 each of the three options for rates and charges presented in Board Letter 8-1.

4 Costs estimated by the Department of Water Resources to be assessed to MWD under its
5 State Water Contract are shown in the Statement of Charges that DWR provides before the
6 beginning of each calendar year. MWD uses the Statement of Charges to determine its State
7 Water Project revenue requirement, a portion of the overall revenue requirement determined by
8 the Board in January of each rate adoption cycle. (MWDRECORD2012-013939-013960).

9 The table, "STATE WATER RESOURCES DEVELOPMENT SYSTEM CHARGES
10 FOR STATE WATER PROJECT INFRASTRUCTURE AND ENERGY" produced at
11 MWD2010-00168973-00168976, shows the types of costs that DWR includes on its invoices as
12 supply charges (the Delta Water Charge), transportation charges, and other categories of charges
13 allocated to MWD. This table also references the specific provisions of the State Water Contract
14 under which DWR invoices these charges to MWD.

15 For example, MWD's Cost of Service methodology functionalizes transportation-related
16 charges in the Conveyance and Aqueduct (All Other) service function. Each Cost of Service
17 report attached to Board Letter 8-1, at Schedule 7, shows the estimated "SWP All Other" costs
18 assigned to the Conveyance & Aqueduct service function and how these costs were classified
19 among the Fixed Demand (incurred to meet peak demands, i.e. demands in excess of average
20 system demands), Commodity (generally associated with average system demands), and Standby
21 (related to insure system reliability, including standby capacity within the State Water Project
22 conveyance system) classification categories. Schedule 8 provides a cross-reference between the
23 classified service function costs and their allocation to the rate design elements. This table shows
24 how Conveyance and Aqueduct costs were allocated among the rate design elements (Supply
25 Rate, System Access Rate, Water Stewardship Rate, System Power Rate, Capacity Charge,
26 Readiness-to-Serve Charge, and Treatment Surcharge). The costs allocated to each rate design
27 element are totaled to determine the proposed rates and charges shown in Table 2 of Board Letter
28 8-1 and Schedule 9 of each Cost of Service report.

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INTERROGATORY NO. 12:

Describe the manner in which, as discussed in MWD's response to SDCWA's Special Interrogatory No. 3 in Case No. CPF-10-510830, MWD "broke its operation functions down into corresponding rate components" in setting its rates for the 2013 and 2014 calendar years, including but not limited to which operation functions are included within which MWD rate and the basis for such breakdown.

RESPONSE TO INTERROGATORY NO. 12:

MWD incorporates herein by reference each of its general objections and reservations set forth above. MWD objects to the Interrogatory in that it seeks information that is neither relevant to the subject matter of this proceeding nor reasonably calculated to lead to the discovery of admissible evidence. MWD further objects that the Interrogatory is compound. Subject to and without waiving the foregoing objections, MWD responds as follows:

See response to Interrogatory No. 7.

INTERROGATORY NO. 13:

Identify the amounts by which MWD's charges to SDCWA for the 2013 and 2014 calendar years under each of its individual rates would have differed had the costs identified in Interrogatory No. 7 been allocated to MWD's Supply Rates rather than any MWD transportation rate (including but not limited to MWD's System Access Rate, System Power Rate, or Water Stewardship Rate).

RESPONSE TO INTERROGATORY NO. 13:

MWD incorporates herein by reference each of its general objections and reservations set forth above. MWD objects to the Interrogatory in that it seeks information that is neither relevant to the subject matter of this proceeding nor reasonably calculated to lead to the discovery of admissible evidence. MWD further objects to this Interrogatory on the ground that it calls for speculation and seeks an opinion based on an incomplete hypothetical. MWD further objects that the Interrogatory is compound. Subject to and without waiving the foregoing objections, and in accordance with the direction in the April 23, 2013 Order, MWD responds as follows:

1 No such information exists as MWD did not engage in the stated activity, nor was it
2 required to do so. MWD does not separately identify charges to its member agencies by
3 individual rate component. MWD prepared its Cost of Service study and projects costs and
4 revenues on a MWD-wide basis. Further, determining how the amount of each individual rate
5 component would have differed if the costs identified in Interrogatory No. 7 had been allocated to
6 the Supply Rates for 2013 and 2014 would require MWD to prepare a new cost of service study
7 with different cost allocations. Performing these new calculations is beyond the permitted scope
8 of discovery.

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Dated: July 24, 2013

MORRISON & FOERSTER LLP

By: 
SOMNATH RAJ CHATTERJEE

Attorneys for Respondent and Defendant
METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

VERIFICATION

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I, June M. Skillman, declare and state:

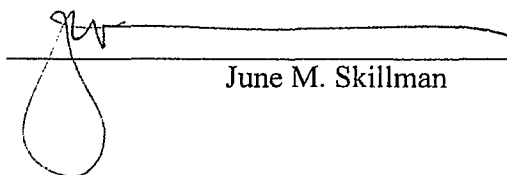
I am the Section Manager, Budget and Financial Planning Section, of the Metropolitan Water District of Southern California, and am authorized to make this verification on its behalf, and I hereby execute this Verification.

I have reviewed RESPONDENT AND DEFENDANT METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA'S RESPONSES TO SDCWA'S SECOND SET OF SPECIAL INTERROGATORIES (2012 Action) and know of the contents thereof.

I am informed and believe that the matters stated therein are true, and on that ground allege that the matters stated therein are true and correct.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct to the best of my knowledge, information and belief.

Executed this 24th day of July, 2013, at Los Angeles, California.


June M. Skillman

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14 Attorneys for Respondent and Defendant
Metropolitan Water District of Southern
15 California

16
17 SUPERIOR COURT OF THE STATE OF CALIFORNIA

18 COUNTY OF SAN FRANCISCO

19 SAN DIEGO COUNTY WATER AUTHORITY,

20 Petitioner and Plaintiff,

21 v.

22 METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA; et al.,

23 Respondents and Defendants.
24

Case No. CPF-10-510830

**RESPONDENT AND DEFENDANT
METROPOLITAN WATER
DISTRICT OF SOUTHERN
CALIFORNIA'S RESPONSES TO
SDCWA'S SECOND SET OF
SPECIAL INTERROGATORIES
(NOS. 23-29)**

25 **PROPOUNDING PARTY:** San Diego County Water Authority

26 **RESPONDING PARTY:** Metropolitan Water District of Southern California

27 **SET NUMBER:** Two
28

1 13. MWD objects to these Interrogatories to the extent they are compound and/or
2 complex.

3 **SPECIFIC OBJECTIONS AND RESPONSES**

4 **INTERROGATORY NO. 23:**

5 Identify with particularity each cost assessed to MWD by the Department of Water
6 Resources (DWR), under the November 4, 1960 Contract for a Water Supply between MWD and
7 DWR, as amended, that MWD classified as costs that MWD pays to DWR for transportation
8 services for purposes of setting MWD's rates for the 2011 and 2012 calendar years.

9 **RESPONSE TO INTERROGATORY NO. 23:**

10 MWD incorporates herein by reference each of its general objections and reservations set
11 forth above. MWD objects to the Interrogatory in that it seeks information that is neither relevant
12 to the subject matter of this proceeding nor reasonably calculated to lead to the discovery of
13 admissible evidence. Subject to and without waiving the foregoing objections, MWD responds as
14 follows:

15 MWD's rates are set prospectively using revenue requirements based on the proposed
16 budget, not assessed to cover costs already incurred, as described in this response.

17 The Cost of Service process was developed in conjunction with unbundling of the water
18 rates, approved by MWD's Board of Directors in October 2001 (MWDRECORD2010-005698-
19 005753), first implemented for the water rates effective January 1, 2003(MWDRECORD2010-
20 005710-005737), and reviewed with the Board in a Cost of Service workshop on September 22,
21 2009 (MWDRECORD2010-10666-10704). The Board considered proposed changes to the Cost
22 of Service allocations and affirmed the existing Cost of Service methodology at the November
23 2009 Board meeting (MWDRECORD2010-010769-010791). The four steps in the process are
24 (1) developing the proposed revenue requirement; (2) assigning costs to service functions; (3)
25 classifying costs based on their causes and behavioral characteristics; and (4) allocating costs to
26 the respective rate elements. This multi-step process was explained in MWD's Response to
27 Interrogatory No. 3 in MWD's Supplemental Responses to SDCWA's First Set of Special
28 Interrogatories and detailed in the Fiscal Year 2010/11 Cost of Service report

1 (MWDRECORD2010-011443-011542).

2 Costs estimated by the Department of Water Resources to be assessed to MWD under its
3 State Water Contract are shown in the Statement of Charges that DWR provides before the
4 beginning of each calendar year. MWD uses the Statement of Charges to determine its State
5 Water Project revenue requirement, a portion of the overall revenue requirement determined by
6 the Board in January of each rate adoption cycle. (MWDRECORD2010-010927-010971).

7 The table, "STATE WATER RESOURCES DEVELOPMENT SYSTEM CHARGES
8 FOR STATE WATER PROJECT INFRASTRUCTURE AND ENERGY" produced at
9 MWD2010-00168973-00168976, shows the types of costs that DWR includes on its invoices as
10 supply charges (the Delta Water Charge), transportation charges, and other categories of charges
11 allocated to MWD. This table also references the specific provisions of the State Water Contract
12 under which DWR invoices these charges to MWD.

13 For example, MWD's Cost of Service methodology functionalizes transportation-related
14 charges in the Conveyance and Aqueduct (All Other) service function. The Cost of Service
15 report for Fiscal Year 2011/12, Attachment 2 to Board Letter 8-2 for the April 13, 2010 Board
16 meeting (MWDRECORD2010-011443-011542), at Schedule 7 shows that estimated "SWP All
17 Other" costs were assigned to the Conveyance & Aqueduct service function and how these costs
18 were classified among the Fixed Demand (incurred to meet peak demands, i.e. demands in excess
19 of average system demands), Commodity (generally associated with average system demands)
20 and Standby (related to insure system reliability, including standby capacity within the State
21 Water Project conveyance system) classification categories. Schedule 8 provides a cross-
22 reference between the classified service function costs and their allocation to the rate design
23 elements. This table shows how Conveyance and Aqueduct costs were allocated among the rate
24 design elements (Supply Rate, System Access Rate, Water Stewardship Rate, System Power
25 Rate, Capacity Charge, Readiness-to-Serve Charge, and Treatment Surcharge). The costs
26 allocated to each rate design element are totaled to determine the proposed rates and charges
27 shown in Table 2 of Board Letter 8-2 and Attachment 2, Schedule 9.

28

INTERROGATORY NO. 28:

Describe the manner in which, as discussed in MWD's response to SDCWA's Interrogatory No. 3, MWD "broke its operation functions down into corresponding rate components" in setting its rates for the 2011 and 2012 calendar years, including but not limited to which operation functions are included within which MWD rate and the basis for such breakdown.

RESPONSE TO INTERROGATORY NO. 28:

MWD incorporates herein by reference each of its general objections and reservations set forth above. MWD objects to the Interrogatory in that it seeks information that is neither relevant to the subject matter of this proceeding nor reasonably calculated to lead to the discovery of admissible evidence. MWD further objects that the Interrogatory is compound. Subject to and without waiving the foregoing objections, MWD responds as follows:

See response to Interrogatory No. 23.

INTERROGATORY NO. 29:

Identify the amounts by which MWD's charges to SDCWA for the 2011 and 2012 calendar years under each of its individual rates would have differed had the costs identified in Interrogatory No. 23 been allocated to MWD's Supply Rates rather than any MWD transportation rate (including but not limited to MWD's System Access Rate, System Power Rate, or Water Stewardship Rate).

RESPONSE TO INTERROGATORY NO. 29:

MWD incorporates herein by reference each of its general objections and reservations set forth above. MWD objects to the Interrogatory in that it seeks information that is neither relevant to the subject matter of this proceeding nor reasonably calculated to lead to the discovery of admissible evidence. MWD further objects to this Interrogatory on the ground that it calls for speculation and seeks an opinion based on an incomplete hypothetical. MWD further objects that the Interrogatory is compound. Subject to and without waiving the foregoing objections, and in accordance with the direction in the April 23, 2013 Order, MWD responds as follows:

No such information exists as MWD did not engage in the stated activity, nor was it

1 required to do so. MWD does not separately identify charges to its member agencies by
2 individual rate component. MWD prepared its Cost of Service study and projects costs and
3 revenues on a MWD-wide basis. Further, determining how the amount of each individual rate
4 component would have differed if the costs identified in Interrogatory No. 23 had been allocated
5 to the Supply Rates for 2011 and 2012 would require MWD to prepare a new cost of service
6 study with different cost allocations. Performing these new calculations is beyond the permitted
7 scope of discovery.

8
9 Dated: July 24, 2013

MORRISON & FOERSTER LLP

10
11 By:


SOMNATH RAJ CHATTERJEE

12 Attorneys for Respondent and Defendant
13 METROPOLITAN WATER DISTRICT
14 OF SOUTHERN CALIFORNIA
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VERIFICATION

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I, June M. Skillman, declare and state:

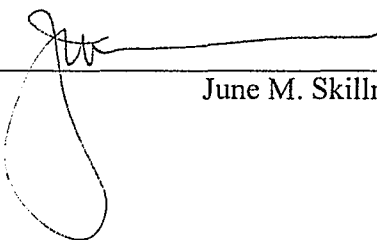
I am the Section Manager, Budget and Financial Planning Section, of the Metropolitan Water District of Southern California, and am authorized to make this verification on its behalf, and I hereby execute this Verification.

I have reviewed RESPONDENT AND DEFENDANT METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA'S RESPONSES TO SDCWA'S SECOND SET OF SPECIAL INTERROGATORIES (2010 Action) and know of the contents thereof.

I am informed and believe that the matters stated therein are true, and on that ground allege that the matters stated therein are true and correct.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct to the best of my knowledge, information and belief.

Executed this 24th day of July, 2013, at Los Angeles, California.



June M. Skillman

-----Original Message-----

From: Office of the General Manager [mailto:OfficeoftheGeneralManager2@mw2o.com]

Sent: Monday, July 03, 2006 4:34 PM

Cc: Aguilar, Art - Central/West Basin ; ainouye@calleguas.com; Aldrete, Isabel; howellr@emwd.org; atwater@ieua.org; Cole, Kathy; David Pettijohn; DCalkins@anaheim.net; dkendall@calleguas.com; donh@ci.fullerton.ca.us; Edelen, Nona E; eotsuka@beverlyhills.org; Foothill MWD; gil-borboa@santa-monica.org; Glisson, Brenda S; Gonzales, Joann; Hines, Steven M; itroncoso@ci.glendale.ca.us; Ivey, Gilbert F; CSchaich@torrnet.com; Jensen, Charlene; Jochem, Timothy C.; John Mundy; jvanderlinden@torrnet.com; kseckel@mwdoc.com; Kevin Wattier; khunt@mwdoc.com; Kightlinger, Jeffrey; kshoghi@comptoncity.org; lclabaugh@wmwd.com; Man, Debra C; Nagel, Rich - West/Central Basin ; P. Kavounas, Glendale, City of ; packa@emwd.org; Paludi, Fernando; pcurrie@ci.pasadena.ca.us; pmeszaros@mwdoc.com; rdavis@ci.burbank.ca.us; Richard Hansen, 3VMWD; james.mcdaniel@ladwp.com; Ron.Deaton@ladwp.com; RRuiz@sfcity.org; bmace@ci.burbank.ca.us; Rossi, John - WMWD; sepstein@beverlyhills.org; Bontemps, Sheryl; Shoenberger, Paul ; Smith, Denitra G; tcoughran@ci.santa-ana.ca.us; Thomas Erb at LADWP; Thomas, Brian G; Valladao, Gary (San Marino-Cal Am Water); Wakiro, Rosalind; Walters, Geraldine J; Wheeler, Margie

Subject: LADWP-AVEK Turnout Agreement

Date: July 3, 2006

To: Board of Directors

From: Jeffrey Kightlinger, General Manager

Subject: LADWP-AVEK Turnout Agreement

At the June 12 meeting of the Water Planning, Quality and Resources Committee, a number of committee members had questions regarding an agreement that has been entered into between the California Department of Water Resources (DWR), the Antelope Valley-East Kern Water Agency (AVEK), the Los Angeles Department of Water and Power (LADWP) and Metropolitan, which provides for the construction, operation and maintenance of a new turnout from the California Aqueduct within AVEK's service ("Turnout Agreement"). These questions centered on the nature and scope of the agreement, the rationale behind the agreement, and the authority for the agreement. Similar questions were raised in a letter from the San Diego County Water Authority (SDCWA) to the Chairman dated June 13, 2006, and at the Member Agency Managers (MAM) meeting held on June 16, 2006.

Due to the limited time available, the Committee was not able to fully discuss the Turnout Agreement during the June meeting. Accordingly, the Committee has requested that a further briefing on this matter be scheduled for its meeting on July 10. Similarly, member agency managers have requested additional information about the Turnout Agreement and, therefore, a meeting with managers has been scheduled for July 6. In an effort to facilitate these upcoming discussions, this Memorandum addresses questions previously raised by committee members, member agency managers and the SDCWA, and attempts to clarify the terms and conditions of the Turnout Agreement.

Terms and Conditions of the Turnout Agreement

A copy of the Turnout Agreement is included as **Attachment 1** to this Memorandum. Distilled to its essence, this agreement permits AVEK to transport non-State Water Project (SWP) water through the California Aqueduct and to deliver such water to LADWP at a turnout to be constructed within AVEK's service area. This water would then be pumped from this new turnout into the Los Angeles Aqueducts and delivered directly to LADWP customers. This is intended to be demonstration project and, as such, the term of the Turnout

Agreement is limited to five years. This five-year term commences when the Turnout Agreement and certain related agreements (discussed below) are fully operational.

Under the Turnout Agreement, LADWP is responsible for all costs associated with the transport of non-SWP water through the system and with the construction, operation and maintenance of the turnout from which this water is delivered. Furthermore, LADWP and AVEK are responsible for securing all permits and approvals required for any activities conducted pursuant to the Turnout Agreement, as well as for ensuring that such activities comply with all applicable laws and regulations. With respect to construction of the turnout, LADWP has been designated as the Lead Agency for purposes of conducting any environmental assessments or reviews that may be required under the California Environmental Quality Act.

Beyond this, there are a number of specific conditions and restrictions imposed by the Turnout Agreement. First, the amount of non-SWP water transported by AVEK is limited to its unused capacity in the system and cannot interfere with deliveries of SWP water to any other contractor, including Metropolitan. Both DWR and Metropolitan must approve any proposed schedules for transport and delivery of non-SWP water.

Second, the amount of non-SWP water delivered to LADWP cannot exceed the amount needed to address its environmental obligations in the Eastern Sierra region. The Turnout Agreement establishes an initial limit of 40,000 acre-feet, which is the amount of water currently required for dust control and mitigation purposes in the Owens Valley. Any increase in this amount must be based on LADWP's actual needs and obligations, the determination of which is subject to concurrence by Metropolitan.

Third, any use of SWP facilities to transport and deliver non-SWP water must be consistent with the terms and conditions of the long-term water supply contracts Metropolitan and AVEK have with DWR, i.e., with the State Water Contract. The Turnout Agreement does not modify or alter the State Water Contract and to the extent there is a conflict between these two agreements, the provisions of the latter take precedence. To further ensure that there is no interference with SWP operations, the Turnout Agreement also requires that LADWP and AVEK execute a turn-in agreement with DWR, which will contain additional requirements for acceptance of non-SWP water into the system, such as requirements pertaining to water quality.

In return for not opposing the Turnout Agreement, Metropolitan will have to the right to utilize the LADWP-AVEK turnout as a delivery structure pursuant to the terms of the State Water Contract. This turnout will provide Metropolitan with another means of bringing water into its service area and, in turn, will increase the reliability of its water delivery system. Metropolitan's usage of the turnout is secondary only to LADWP's usage, and does not require that any additional compensation be paid to AVEK or LADWP.

Rationale Behind the Turnout Agreement

Several questions have been raised regarding the impetus for and rationale behind the Turnout Agreement. Included as **Attachment 2** is a letter to the Chairman of the Board in which Metropolitan's former Chief Executive Officer, Ron Gastelum, details the considerations he relied upon in deciding whether Metropolitan should oppose this agreement and the proposal to deliver non-SWP water to LADWP using SWP facilities. As explained in his letter, Mr. Gastelum ultimately decided that it was not in Metropolitan's interest to oppose the agreement/proposal.

First, the proposal embodied by the Turnout Agreement "would not result in any displacement of State Water Project water deliverable to Metropolitan or any other state project contractor." Likewise, the proposal "would not require the use of any Metropolitan facilities or water supplies, would require no expenditure by Metropolitan, and would not be located in the Metropolitan service area." Thus, the proposal would not result in any adverse impacts to the Metropolitan or its member agencies.

Second, the proposal was aimed at addressing the loss of an existing local resource, namely, “the expected permanent loss of up to 40,000 acre feet per year of LA Aqueduct water to dust control in the Owens Valley.” As such, this proposal was consistent with Metropolitan’s policies “that establish the District’s Local Resources Program facilitating water recycling and groundwater recovery projects as local resources for the member agencies.” By entering into the Turnout Agreement, Metropolitan would be assisting a member agency to meet its environmental mitigation obligations and, in turn, helping to preserve local water supplies.

Third, a staff analysis conducted at that time indicated that replacement of this existing local resource would not result in “lost” water sales. More importantly, “the established policies of the District, as exemplified by the rate structure (Tier 2), the IRP, and the various Board approved incentive programs that encourage member agencies to develop alternative water supplies, evidence a deliberate financial and resource strategy that is not premised on preventing ‘lost’ water sales, but rather on the fair recovery of costs.” Accordingly, “opposition to the DWP proposal on that basis would be contrary to established District policies.”

Fourth, as a signatory in Turnout Agreement, Metropolitan could help shape the nature and scope of the proposal. As stated by Mr. Gastelum, “My objective was a conditional DWR consent with a limited acre-foot per year transfer, restricted to non-project water, with no dedicated capacity in the California Aqueduct or other facilities of the State Water Project, and no dilution of Metropolitan’s ability to use the connection in priority over third parties.” In addition, the Turnout Agreement provided a “greater opportunity to achieve system reliability for Metropolitan through the potential coordinated operations with DWP.”

In sum, Mr. Gastelum concluded, “the DWP mitigation program would replace an existing local supply and result in more water available to serve the other member agencies, and that this would be consistent with District policies.”

Authority for the Turnout Agreement

Another question that has been raised is whether the former CEO had the authority to execute the Turnout Agreement without obtaining prior approval from the Board of Directors. As I explained at the meeting, Mr. Gastelum posed this question to me as then General Counsel and it was my conclusion that it was within his authority to execute the Turnout Agreement because it: (1) was consistent with enforcement of Metropolitan’s rights under the State Water Contract; (2) did not require the use of Metropolitan’s facilities or infrastructure; (3) did not require any expenditure of Metropolitan’s funds; and (4) did not conflict with any applicable provisions of the Metropolitan Water District Act, Administrative Code or adopted Board Policies.

Pursuant to a request from the San Diego County Water Authority, the General Counsel’s Office has reviewed this issue again. Included as **Attachment 3** is a legal memorandum from the Interim General Counsel to the Board, dated June 29, 2006, which likewise concludes that the former CEO had delegated authority to sign the Turnout Agreement in the exercise of his executive powers to further policy established by Metropolitan’s Board.

It should be noted that although Mr. Gastelum did not bring the Turnout Agreement to the Board for its review and approval, the proposal to use SWP facilities to transport and deliver non-SWP water to LADWP to make up for water used for environmental mitigation was presented to member agency managers at a meeting held in March 2002. A copy of the PowerPoint presentation given at that meeting is included as **Attachment 4**. In addition, the proposal was discussed with a number of Metropolitan Directors on a tour of the Los Angeles Owens Valley facilities and dust control project sponsored by LADWP in October 2002.

Agreements Related to the Turnout Agreement

Finally, certain committee members have inquired whether any agreements related to the Turnout Agreement have been executed. Copies of two such agreements are included as **Attachment 5** to this Memorandum. The first of these is an agreement between DWR, AVEK and LADWP, which further delineates those parties’

respective obligations in constructing, operating and maintaining the LADWP-AVEK Turnout. This agreement does not modify any of Metropolitan's rights and responsibilities under the Turnout Agreement. The second of these is an agreement between LADWP and Metropolitan for the coordinated use of water facilities.

In addition, San Diego County Water Authority has made a request for copies of other similar agreements that "have been executed by management in the last few years as an exception to Board policy, but that have not been disclosed to, or authorized by the MWD Board of Directors." As discussed above, the former CEO concluded at the time that the agreement was in conformity with Metropolitan policy. It is the view of staff that there are no agreements that have been entered into that are exceptions to Metropolitan's policies unless expressly approved by the Board.

Attachments

cc: Member Agency Managers

<<LADWP-AVEK Attach 1.pdf>> <<LADWP-AVEK Attach 2.pdf>> <<LADWP-AVEK Attach 3.pdf>> <<LADWP-AVEK Attach 4.pdf>> <<LADWP-AVEK Attach 5.pdf>> <<LADWP-AVEK Attach 5a.pdf>>

RECLAMATION

Managing Water in the West



**Accounting
for
Colorado River Water Use
within the States
of
Arizona, California, and Nevada**

Calendar Year 2003



Colorado River Accounting and Water Use Report Arizona, California, and Nevada Calendar Year 2003

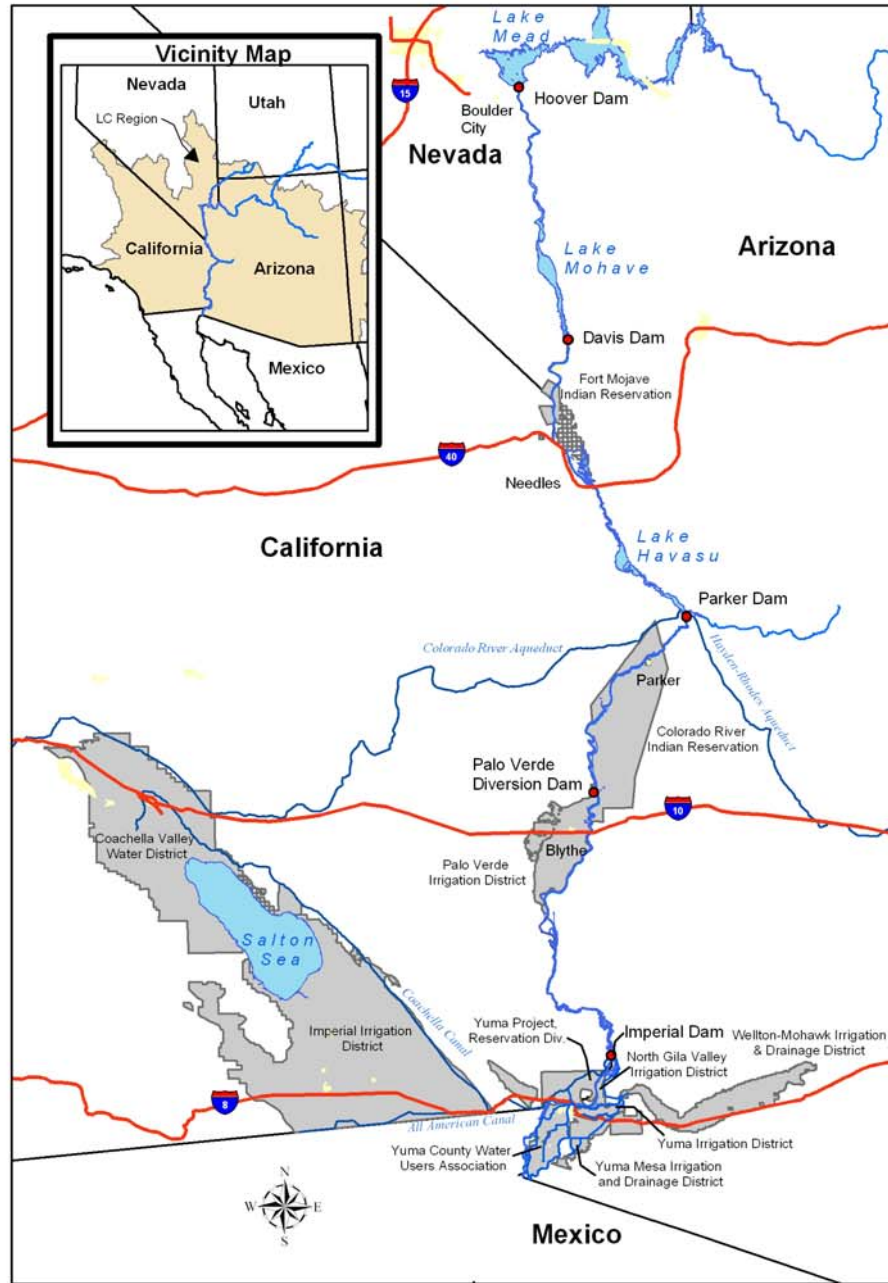


**Published by:
Bureau of Reclamation
Boulder Canyon Operations Office
June 2005**

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**Approximate Area Covered
by
The Lower Colorado River
Accounting Report**

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Acronyms and Abbreviated Terms

These acronyms and abbreviations will be found in the text, footnotes and headings within this document.

AAC	All-American Canal	FYIR	Fort Yuma Indian Reservation
af	acre-feet, unit of water measurement	GGMC	Gila Gravity Main Canal
adp	Arizona diesel pump	ICUA	intentionally created unused apportionment
adw	Arizona diesel well	ID	irrigation district
aep	Arizona electric pump	IDD	irrigation and drainage district
aew	Arizona electric well	IBWC	International Boundary and Water Commission
ALTSC	accumulated long term storage credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	IUS	Interstate Underground Storage credits
ASLD	Arizona State Land Department	kaf	Kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOR	Bureau of Reclamation	LLC	Limited Liability Company
BOY	beginning of year	LTSC	Long Term Storage Credit
CAWCD	Central Arizona Water Conservation District	MWD	Metropolitan Water District of Southern California
cdp	California diesel pump	MOD	Main Outlet Drain
cdw	California diesel well	MODE	Main Outlet Drain Extension
cdew	California diesel electric well	MEAS.	Measured (as in Measured Returns)
cep	California electric pump	M&I	municipal and industrial
cew	California electric well	PG & E	Pacific Gas and Electric Company
CFR	Code of Federal Regulations	PVID	Palo Verde Irrigation District
CRBC	Colorado River Board of California	PWR	Power
CRCN	Colorado River Commission of Nevada	QSA	Quantification Settlement Agreement
CRIT	Colorado River Indian Tribes	SCE	Southern California Edison Company
CU	consumptive use	SIRA	Storage and Interstate Release Agreement
CVWD	Coachella Valley Water District	SNWA	Southern Nevada Water Authority
CY	calendar year	USBR	United States Bureau of Reclamation
Diff.	difference	USGS	United States Geological Survey
Dist.	district	UNMEAS.	unmeasured (as in unmeasured returns)
DPOC	drainage pump outlet channel	YAO	Yuma Area Office (USBR)
ET	evapotranspiration	YFO	Yuma Field Office (BLM)
EOY	end of year		

S U M M A R Y
CONSUMPTIVE USE BY STATE, RESERVOIR CONTENTS, LCWSP AND SIRA
CALENDAR YEAR 2003

		(ACRE-FEET)													
		6/15/2005													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/	
LOWER DIVISION STATES WATER USE SUMMARY															
ARIZONA		216,938	195,797	282,488	312,166	319,683	285,427	228,575	163,063	162,915	231,586	220,560	211,401	2,830,599	
CALIFORNIA		246,971	153,644	416,174	504,884	478,069	434,218	473,590	433,069	388,474	366,376	258,372	254,905	4,408,746	
NEVADA		14,745	13,220	15,250	23,240	26,352	33,862	36,908	33,332	28,105	33,374	20,963	19,039	298,392	
TOTAL CONSUMPTIVE USE, LOWER DIVISION STATES		478,655	362,661	713,912	840,290	824,104	753,506	739,073	629,464	579,494	631,337	499,896	485,345	7,537,737	
MEXICO IN SATISFACTION OF TREATY		130,285	154,940	199,770	193,325	108,570	111,372	121,513	99,884	90,358	71,655	98,904	119,424	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC		10,542	8,917	10,090	8,319	8,611	9,305	9,664	9,748	10,195	10,266	10,038	9,039	114,734	
EXCESS DELIVERIES TO MEXICO		4,196	26,551	7,240	11,389	3,788	118	664	992	2,478	1,169	1,784	1,486	61,855	
DELIVERIES TO MEXICO & CU BY LOWER DIVISION STA 1/		623,678	553,069	931,012	1,053,323	945,073	874,301	870,914	740,088	682,525	714,427	610,622	615,294	9,214,326	
LCWSP PUMPING	2/														
	NON-FEDERAL	31	39	53	58	70	85	93	90	70	59	42	41	732	
	FEDERAL	23	27	38	41	50	60	66	63	50	42	30	29	517	
	TOTAL	54	66	91	98	120	146	159	153	120	101	71	70	1,249	
WATER STORED IN AZ FOR THE BENEFIT OF NV & CA	3/														
	NEVADA	111,100	0	0	0	0	0	0	0	0	0	0	0	111,100	
	CALIFORNIA	89,000	0	0	0	0	0	0	0	0	0	0	0	89,000	
RESERVOIR CONTENTS (Thousand Acre-Feet)		DEC 2002	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
LOWER BASIN TOTAL STORAGE	4/	18,944	19,096	19,279	19,053	18,565	18,204	18,020	17,937	18,076	17,823	17,550	17,423	17,407	-1,538
LOWER BASIN STORAGE PLUS LAKE POWELL	5/	32,718	32,365	32,112	31,497	30,808	30,960	31,385	30,731	30,232	29,933	29,485	29,219	28,894	-3,825

Note to Reader: each section of this report and each division within a section, has its own sequence of footnotes

0/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot

1/ Sum of Total Consumptive Use in the Lower Basin, Deliveries to Mexico in Satisfaction of Treaty, Bypass Pursuant to IBWC Minute No. 242 and Excess Deliveries to Mexico

2/ Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.

3/ Final verified total of Accumulated Long-Term Storage Credits reported by Arizona Water Banking Authority (AWBA). This is the balance available at beginning of year

4/ Sum of End of Month storage in Lakes Mead, Mohave and Havasu (lower basin).

5/ Sum of End of Month storage in Lakes Powell (upper basin), Mead, Mohave and Havasu (lower basin)

**RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF LAKE POWELL AND THE COLORADO RIVER SYSTEM IN THE LOWER BASIN
CALENDAR YEAR 2003**

		06/15/05												CY CHANGE	
		(THOUSAND ACRE-FEET)													
		DEC 2002	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
-----0/ 1/ -----															
END OF MONTH ACTIVE CONTENTS:															
LAKE POWELL		13,774	13,269	12,833	12,444	12,243	12,756	13,365	12,794	12,156	12,110	11,935	11,796	11,487	-2,287
PERCENTAGE OF POWELL ACTIVE STORAGE	2/	56.6%	54.6%	52.8%	51.2%	50.3%	52.4%	55.0%	52.6%	50.0%	49.8%	49.1%	48.5%	47.2%	
LAKE MEAD		16,718	16,854	16,978	16,826	16,287	15,893	15,733	15,598	15,741	15,618	15,517	15,337	15,300	-1,418
LAKE MOHAVE		1,679	1,705	1,729	1,686	1,686	1,715	1,696	1,743	1,739	1,643	1,468	1,527	1,590	-89
LAKE HAVASU		547	537	573	541	592	596	591	596	596	562	565	560	516	-31
STORAGE IN LOWER BASIN	3/	18,944	19,096	19,280	19,053	18,565	18,204	18,020	17,937	18,076	17,823	17,550	17,423	17,406	-1,538
PERCENTAGE OF COLO. RIVER ACTIVE STORAGE IN THE LOWER BASIN	4/	66.9%	67.5%	68.1%	67.3%	65.6%	64.3%	63.7%	63.4%	63.9%	63.0%	62.0%	61.6%	61.5%	
LAKE POWELL AND LOWER BASIN STORAGE	5/	32,718	32,365	32,113	31,497	30,808	30,960	31,385	30,731	30,232	29,933	29,485	29,219	28,893	-3,825
PERCENTAGE OF ACTIVE STORAGE	6/	62.2%	61.5%	61.0%	59.8%	58.5%	58.8%	59.6%	58.4%	57.4%	56.9%	56.0%	55.5%	54.9%	
TOTAL SYSTEM STORAGE	7/	36,796	36,419	36,136	35,561	34,886	35,177	35,858	35,074	34,431	34,072	33,543	33,261	32,912	-3,884
PERCENTAGE OF TOTAL SYSTEM STORAGE	8/	62.0%	61.3%	60.9%	59.9%	58.7%	59.2%	60.4%	59.1%	58.0%	57.4%	56.5%	56.0%	55.4%	

Footnotes:
 0/ Values may differ from the difference due rounding to the nearest thousand acre feet.
 1/ Calendar Year (CY) change is the difference in end of month storage between December of the previous year and December of the reporting year.
 A positive value represents an increase in water in storage, and negative value indicates a decrease in water in storage.
 2/ Percentage of total active storage capacity available in Lake Powell.
 3/ The sum of end-of-month storage in Lakes Mead, Mohave and Havasu.
 4/ The percentage of total active storage capacity available in the Lower Basin (Lakes Mead, Mohave and Havasu).
 5/ The sum of end-of-month storage in Lakes Powell (upper basin), Mead, Mohave and Havasu (lower basin).
 6/ The percentage of total active storage capacity available in Lakes Powell (upper basin), Mead, Mohave and Havasu (lower basin).
 7/ Total end-of-month system storage, includes USBR reservoirs in Upper and Lower basins of the Colorado River.
 8/ The percentage of total end-of-month system storage, this includes Lakes Powell (upper basin), Mead, Mohave and Havasu (lower basin).
 For purposes of this tabulation, the term "active storage" is equivalent to live storage, and refers to the volume of water that can be delivered downstream via gravity flow.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

ARTICLE V OF THE DECREE

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream return flow of such water to the stream as are available for consumptive use in the United States or in satisfaction of the Mexican treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE DECREE
OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

The following tabulation for calendar year 2003 shows the final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams, the records are furnished by the U.S. Geological Survey based on measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona." The diversions for the Colorado River Indian Reservation are made at Headgate Rock Dam.

CALENDAR YEAR 2003

STRUCTURE	06/15/05												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GLEN CANYON DAM	794,700	723,500	794,300	606,000	661,700	860,900	919,900	923,700	484,900	499,900	482,500	613,700	8,365,700
HOOVER DAM	651,400	607,800	957,400	1,138,000	1,017,000	918,000	964,600	744,200	584,600	538,300	637,100	623,300	9,381,700
DAVIS DAM	665,400	633,600	1,073,000	1,217,000	1,050,000	987,300	977,800	808,700	736,500	784,400	645,600	625,100	10,204,400
PARKER DAM	388,900	382,200	760,000	821,900	737,200	760,500	805,500	664,300	663,800	600,100	366,100	352,800	7,303,300
HEADGATE ROCK DAM 1/	365,830	361,420	714,510	756,220	662,880	687,170	725,130	595,720	608,030	559,930	344,520	325,990	6,707,350
PALO VERDE DAM	327,600	301,600	580,800	640,700	536,500	543,100	589,200	463,700	455,600	439,500	302,300	275,600	5,456,200
IMPERIAL DAM 2/	25,930	36,600	29,410	36,910	31,610	21,040	25,590	25,240	17,530	18,640	26,190	17,650	312,340
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	922	778	861	774	861	952	984	922	893	984	893	770	10,594
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	26,852	37,378	30,271	37,684	32,471	21,992	26,574	26,162	18,423	19,624	27,083	18,420	322,934
LAGUNA DAM	25,720	43,560	36,180	42,260	38,030	29,260	34,230	32,950	22,110	23,120	34,790	21,760	383,970

Footnotes:

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

2/ Represents flow below Imperial Dam, does not include diversions through the All American Canal (AAC) and the Gila Gravity Main Canal (GGMC).

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V (B) OF THE DECREE
OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL.
DATED MARCH 9, 1964**

The following tabulations for calendar year 2003 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each State. The records were furnished by the U.S. Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation (Reclamation), National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each State. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream and consumptive use are also listed for points of diversion and return when that information is available.

The second tabulation for each State, titled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is generally determined from records of power use. Amounts diverted by pumping were determined as follows: (1) for most electric pumps, diversions were computed on an annual basis from power records and a "kilowatt-hour per acre-foot pumped factor" that was determined by discharge measurement; (2) for

pumps without flow meters or where power records are not available, a consumptive use factor of 6.25 acre-feet per irrigated acre of land per year was used.

Unmeasured returns have been computed by multiplying measured diversions by a return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records referenced in Article V of the Decree of the Supreme Court in Arizona v. California et al. The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice any error or omission, please report it to the contact person listed on the cover page.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF ARIZONA

06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	7	7	8	12	14	20	20	19	17	13	10	7	154
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	7	7	8	12	14	20	20	19	17	13	10	7	154
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION	12	11	14	16	25	27	36	35	24	19	17	9	245
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	12	11	14	16	25	27	36	35	24	19	17	9	245
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	1.96	1.83	1.32	2.83	3.16	3.53	16.23	8.81	3.52	3.84	4.02	3.86	54.91
	MEAS. RETURNS	1.91	1.80	1.31	2.81	3.13	3.50	16.17	8.77	3.50	3.83	3.97	3.83	54.53
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0.05	0.03	0.01	0.02	0.03	0.03	0.06	0.04	0.02	0.01	0.05	0.03	0.38
BULLHEAD CITY PUMPED FROM WELLS DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION	619	492	582	621	710	821	989	861	769	857	609	620	8,550
	DIVERSION	3	3	3	6	7	11	12	6	2	6	2	3	66
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	205	163	193	207	237	275	330	286	254	285	202	205	2,842
	CONSUMPTIVE USE	417	332	392	420	480	557	671	581	517	578	409	418	5,774
MOHAVE WATER CONSERVATION DIST. PUMPED FROM WELLS	DIVERSION	58	48	38	53	63	65	70	82	70	58	51	59	716
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	19	16	13	18	21	21	23	27	23	19	17	19	236
	CONSUMPTIVE USE	39	32	25	35	42	44	47	55	47	39	34	40	480
BROOKE WATER LLC. PUMPED FROM RIVER	DIVERSION	27	25	30	34	42	46	51	48	41	41	34	32	451
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	9	8	10	11	14	15	17	16	14	14	11	11	150
	CONSUMPTIVE USE	18	17	20	23	28	31	34	32	27	27	23	21	301
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS PUMPED FROM TOPOCK MARSH INLET	DIVERSION	2,424	1,595	1,810	3,389	3,884	3,963	4,541	3,795	3,884	3,458	1,432	1,406	35,581
	DIVERSION	47	37	64	69	84	102	111	107	84	71	50	49	875
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	1,136	751	862	1,591	1,825	1,870	2,140	1,795	1,825	1,623	682	669	16,769
	CONSUMPTIVE USE	1,288	844	948	1,798	2,059	2,093	2,401	2,000	2,059	1,835	750	737	18,812
FORT MOJAVE INDIAN RESERVATION 14 PUMPS AND WELLS IN FLOOD PLAIN DELIVERED BY CITY OF NEEDLES	DIVERSION 1/	1,992	1,183	2,558	4,966	6,094	8,469	7,782	7,589	8,310	5,073	1,946	1,480	57,442
	DIVERSION	1	1	1	1	2	2	2	2	2	1	1	1	16
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	916	544	1,177	2,284	2,803	3,896	3,580	3,491	3,823	2,334	895	681	26,424
	CONSUMPTIVE USE	1,077	640	1,382	2,683	3,293	4,575	4,204	4,100	4,489	2,740	1,052	800	31,034
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	DIVERSION 2/	29	23	40	43	53	64	70	67	53	44	31	31	547
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	10	8	13	14	17	21	23	22	17	15	10	10	180
	CONSUMPTIVE USE	19	15	27	29	36	43	47	45	36	29	21	21	367

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF ARIZONA

06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK MARSH INLET PUMPED BY 1 WELL IN FLOODPLAIN	DIVERSION 3/ DIVERSION 2/ MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	789 10 0 703 96	1,343 8 0 1,189 162	6,897 14 0 6,082 829	6,251 15 3,626 2,323 317	6,107 18 2,227 3,430 468	5,571 22 15 4,909 669	5,144 24 0 4,548 620	3,013 23 0 2,672 364	2,230 18 0 1,978 270	3,174 15 0 2,807 382	1,208 11 0 1,073 146	1,270 11 0 1,127 154	42,997 190 5,868 32,841 4,478
LAKE HAVASU I.D.D. (CITY) DISTRICT PUMPED FROM WELLS	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	980 0 372 608	863 0 328 535	1,026 0 390 636	1,192 0 453 739	1,500 0 570 930	1,832 0 696 1,136	1,869 0 710 1,159	1,702 0 647 1,055	1,509 0 573 936	1,511 0 574 937	1,179 0 448 731	1,061 0 403 658	16,224 0 6,164 10,060
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	178,610 0 0 178,610	167,194 0 0 167,194	188,023 0 0 188,023	175,595 0 0 175,595	183,816 0 0 183,816	143,877 0 0 143,877	75,528 0 0 75,528	48,221 0 0 48,221	54,019 0 0 54,019	124,815 0 0 124,815	174,720 0 0 174,720	170,772 0 0 170,772	1,685,190 0 0 1,685,190
TOWN OF PARKER PUMPED FROM 1 MUNICIPAL WELL	DIVERSION 4/ MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	49 23 14 12	44 21 13 10	56 23 16 17	70 22 20 28	98 22 28 48	109 25 31 53	118 26 34 58	106 27 30 49	87 25 25 37	84 26 24 34	55 25 16 14	50 25 14 11	928 290 265 373
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 PUMPS & TOWN OF PARKER DELIVERY	DIVERSION DIVERSION 5/ MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	23,070 539 14,422 1,298 7,889	20,780 269 14,276 1,158 5,615	45,490 393 15,872 2,524 27,487	65,680 980 20,338 3,666 42,656	74,320 1,208 21,460 4,154 49,914	73,330 1,273 18,990 4,103 51,510	80,370 1,758 20,059 4,517 57,552	68,580 1,525 20,014 3,856 46,235	55,770 1,277 19,726 3,138 34,183	40,170 570 18,240 2,241 20,259	21,580 254 15,684 1,201 4,949	26,810 302 15,040 1,491 10,581	595,950 10,348 214,121 33,347 358,830
EHRENBURG IMPROVEMENT ASSN.	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	34 0 10 24	35 0 10 25	37 0 11 26	41 0 12 29	49 0 14 35	55 0 16 39	55 0 16 39	55 0 16 39	51 0 15 36	49 0 14 35	38 0 11 27	33 0 9 24	532 0 154 378
CIBOLA VALLEY IRRIGATION DISTRICT PUMPED FROM 3 PUMPS	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	274 0 78 196	1,506 0 429 1,077	1,141 0 325 816	1,883 0 537 1,346	1,267 0 361 906	3,732 0 1,064 2,668	4,700 0 1,340 3,360	3,416 0 974 2,442	3,060 0 872 2,188	2,395 0 683 1,712	1,616 0 461 1,155	2,079 0 593 1,486	27,069 0 7,717 19,352
CIBOLA NATIONAL WILDLIFE REFUGE PUMPED FROM 5 PUMPS	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	1,157 0 440 717	661 0 251 410	1,138 0 432 706	1,133 0 431 702	1,302 0 495 807	1,100 0 418 682	956 0 363 593	946 0 359 587	1,482 0 563 919	1,814 0 689 1,125	900 0 342 558	853 0 324 529	13,442 0 5,107 8,335
IMPERIAL NATIONAL WILDLIFE REFUGE PUMPED FROM 2 WELLS	DIVERSION 2/ MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	160 0 61 99	90 0 34 56	98 0 37 61	158 0 60 98	235 0 89 146	1,511 0 574 937	297 0 113 184	184 0 70 114	281 0 107 174	111 0 42 69	65 0 25 40	152 0 58 94	3,343 0 1,270 2,073

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF ARIZONA

06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
YUMA PROVING GROUND														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	1	1	0	0	0	0	2	0	0	0	0	4
WELLS W, X, Y, Z	DIVERSION 2/	17	21	25	77	83	87	101	74	48	14	5	17	569
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	17	22	26	77	83	87	101	76	48	14	5	17	573
GILA MONSTER RANCH (sturges)														
DIVERSION AT IMPERIAL DAM	DIVERSION *	722	757	1,049	938	1,026	1,274	1,566	722	877	1,126	760	532	11,349
* use on ASLD lease has been deducted.	MEAS. RETURNS	82	89	7	5	79	44	47	13	29	-24	54	27	452
	UNMEAS. RETURNS	274	288	399	356	390	484	595	274	333	428	289	202	4,312
	CONSUMPTIVE USE	366	380	643	577	557	746	924	435	515	722	417	303	6,585
WELLTON MOHAWK I. D. D.														
DIVERSION AT IMPERIAL DAM	DIVERSION	21,308	18,911	35,698	44,405	44,409	49,488	47,170	36,757	37,017	34,275	24,997	20,474	414,909
	GGMC RETURN	2,697	2,457	279	261	3,821	1,905	1,575	716	1,375	-821	1,984	1,178	17,427
	DOMS RETURN	1,230	1,190	976	628	424	277	269	332	427	902	1,137	1,571	9,363
	MOD RETURN 6/	9,960	8,650	9,980	8,540	9,030	9,330	9,910	10,490	10,260	9,710	10,000	9,520	115,380
	RETURNS, TOTAL	13,887	12,297	11,235	9,429	13,275	11,512	11,754	11,538	12,062	9,791	13,121	12,269	142,170
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	7,421	6,614	24,463	34,976	31,134	37,976	35,416	25,219	24,955	24,484	11,876	8,205	272,739
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	2,380	1,875	2,114	2,009	2,487	3,051	3,245	2,907	2,560	2,487	2,140	2,204	29,459
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	46	38	41	44	43	45	55	52	56	52	44	41	557
	MEAS. RETURNS	1,089	801	877	742	753	819	868	898	858	912	893	1,001	10,511
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1,337	1,112	1,278	1,311	1,777	2,277	2,432	2,061	1,758	1,627	1,291	1,244	19,505
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	85	77	122	165	200	217	234	210	217	172	96	76	1,871
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	85	77	122	165	200	217	234	210	217	172	96	76	1,871
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	2	2	2	2	2	2	2	2	2	2	2	2	24
	CONSUMPTIVE USE	2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSN.														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	1	1	1	1	1	1	1	1	1	1	12
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	29	39	39	74	53	89	78	4	79	67	32	34	617
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	29	39	39	74	53	89	78	4	79	67	32	34	617

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF ARIZONA

06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/	
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM		DIVERSION	7	10	6	6	5	8	6	6	5	6	2	1	68
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	2	3	2	2	1	2	2	1	2	1	0	0	20
		CONSUMPTIVE USE	5	7	4	4	4	6	4	4	4	1	1	48	
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM (WARREN ACT)		DIVERSION	0	0	0	4	5	20	14	69	3	3	0	2	120
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	1	1	6	4	20	1	1	0	1	35
		CONSUMPTIVE USE	0	0	0	3	4	14	10	49	2	2	0	1	85
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM		DIVERSION	2	2	7	16	18	17	19	17	14	14	5	0	131
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	1	1	2	5	5	5	6	5	4	4	2	0	40
		CONSUMPTIVE USE	1	1	5	11	13	12	13	12	10	10	3	0	91
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM		DIVERSION 7/	2,455	2,671	3,932	4,751	5,482	5,234	4,524	1,821	3,583	4,751	3,540	2,447	45,191
		MEAS. RETURNS	2,045	1,984	2,153	2,338	2,970	2,802	2,480	1,283	2,093	2,609	2,660	1,765	27,182
		UNMEAS. RETURNS	336	366	539	651	751	717	620	249	491	651	485	335	6,191
		CONSUMPTIVE USE	74	321	1,240	1,762	1,761	1,715	1,424	289	999	1,491	395	347	11,818
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM PUMPED FROM PRIVATE WELLS		DIVERSION 7/	4,738	4,054	6,165	7,216	8,088	6,160	5,220	3,848	4,733	5,809	4,852	3,944	64,827
		DIVERSION	118	251	312	231	232	217	207	234	213	186	146	138	2,486
		MEAS. RETURNS	1,697	1,454	1,179	1,280	2,239	1,289	1,148	789	1,143	937	1,364	1,030	15,549
PUMPED FROM WELLS		MEAS. RETURNS	145	181	247	267	326	396	431	415	326	273	194	191	3,392
		UNMEAS. RETURNS	1,034	917	1,380	1,586	1,772	1,358	1,156	870	1,054	1,277	1,065	870	14,339
		CONSUMPTIVE USE	1,980	1,753	3,671	4,315	3,983	3,334	2,692	2,008	2,423	3,507	2,375	1,991	34,034
YUMA MESA I. D. D. DIVERSION AT IMPERIAL DAM		DIVERSION 7/	11,123	7,934	11,894	16,983	19,190	22,787	27,486	21,745	20,642	19,544	10,343	9,388	199,059
		MEAS. RETURNS	7,439	7,334	6,958	7,351	7,677	6,784	8,171	6,910	6,337	3,685	5,185	4,374	78,205
		UNMEAS. RETURNS	1,780	1,269	1,903	2,717	3,070	3,646	4,398	3,479	3,303	3,127	1,655	1,502	31,849
		CONSUMPTIVE USE	1,904	-669	3,033	6,915	8,443	12,357	14,917	11,356	11,002	12,732	3,503	3,512	89,005
UNIT "B" I. D. D. DIVERSION AT IMPERIAL DAM		DIVERSION 7/	1,263	1,096	1,355	2,565	2,737	3,158	3,897	2,968	2,698	1,910	1,552	595	25,794
		MEAS. RETURNS 7/	1,196	1,242	1,220	1,294	1,280	1,152	1,399	1,196	1,071	702	886	690	13,328
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	67	-146	135	1,271	1,457	2,006	2,498	1,772	1,627	1,208	666	-95	12,466
YUMA COUNTY WATER USERS ASSOCIATION DIVERSION AT IMPERIAL DAM PUMPED FROM WELLS		DIVERSION	21,420	17,743	35,745	44,208	38,008	23,648	28,450	18,069	28,344	45,419	29,815	21,356	352,225
		DIVERSION	25	41	53	31	31	38	47	45	609	109	0	108	1,137
		MEAS. RETURNS	9,611	9,255	10,005	11,024	12,298	9,503	9,420	9,000	11,063	15,581	15,567	13,013	135,340
		UNMEAS. RETURNS	450	373	752	929	799	497	598	380	608	956	626	451	7,419
		CONSUMPTIVE USE	11,384	8,156	25,041	32,286	24,942	13,686	18,479	8,734	17,282	28,991	13,622	8,000	210,603

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF ARIZONA

06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
COCOPAHA INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	214	0	136	56	428	2,661	0	0	195	134	3,824
PUMPED FROM WELLS , NORTH COCOPAHA	DIVERSION	187	177	217	428	551	351	306	335	405	379	490	268	4,093
PUMPED FROM WELLS, WEST COCOPAHA	DIVERSION 8/ MEAS. RETURNS	Wells in the West Cocopah Reservation are in the Limitrophe Section and are considered to be pumping non-Colorado												
	UNMEAS. RETURNS	0	0	4	0	3	1	7	52	0	0	9	6	82
	CONSUMPTIVE USE	63	60	74	146	187	119	104	114	138	129	166	91	1,391
YUMA AREA OFFICE, USBR		124	117	353	282	497	287	623	2,830	267	250	510	305	6,445
DIVERSION FROM RIVER AND M.O.D.E.	DIVERSION 2/ MEAS. RETURNS	61	49	83	90	110	133	145	140	110	92	65	64	1,140
	UNMEAS. RETURNS	51	41	70	75	92	112	122	118	92	77	55	54	960
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	MEAS. RETURNS 9/ UNMEAS. RETURNS	4,815	5,170	6,070	5,870	4,861	3,559	5,514	6,360	5,810	5,920	4,059	3,259	61,267
		-4,815	-5,170	-6,070	-5,870	-4,861	-3,559	-5,514	-6,360	-5,810	-5,920	-4,059	-3,259	-61,267
OTHER USERS PUMPING FROM THE COLORADO RIVER AND WELLS IN THE FLOOD PLAIN (Itemized listing begins on p.13)	DIVERSION 10/ MEAS. RETURNS	1,471	1,508	1,444	2,347	2,498	2,355	3,138	2,920	2,530	2,412	1,612	1,594	25,829
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	515	527	506	822	875	824	1,099	1,022	885	844	564	558	9,041
ARIZONA TOTALS		956	981	938	1,525	1,623	1,531	2,039	1,898	1,645	1,568	1,048	1,036	16,788
	DIVERSION	278,355	253,482	349,983	388,804	406,298	364,443	310,861	#####	237,791	303,185	286,510	270,516	3,686,231
	MEAS. RETURNS	56,504	54,147	55,921	63,664	69,565	57,006	61,463	58,621	60,639	58,734	59,760	52,748	708,771
	UNMEAS. RETURNS	4,913	3,538	11,574	12,974	17,050	22,010	20,824	14,318	14,237	12,865	6,190	6,367	146,860
	CONSUMPTIVE USE	216,938	195,797	282,488	312,166	319,683	285,427	228,575	#####	162,915	231,586	220,560	211,401	2,830,599

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including groundwater pumping, less measured return flow and less current estimated unmeasured return flow to the river

Footnotes:

- 0/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot
- 1/ Diversions provided by the user. Calculated by adding M&I use to the product of the acreage of each crop type times the crop specific evapotranspiration, times irrigation efficiency
- 2/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users
- 3/ Havasu NWR diversion amounts have been adjusted downward for diversions out of the inlet channel by Mohave Valley Irrigation and Drainage District (Chesney) and Fort Mojave Indian Reservation
- 4/ Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker
- 5/ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions estimated by multiplying CRIT's portion of measure effluent by using nearby users diversion:effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage
- 6/ Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water
At such times Reclamation will determine how best to differentiate return flows from the two sources.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF ARIZONA
06/15/05

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
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7/ This is the summation for the Yuma Mesa Division of the Gila Project. Consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District and the Yuma Mesa Irrigation & Drainage District is as follows:

Item	Annual Totals (Acre-Feet)
Diversion at Imperial Dam A/	309,077
Pumped from wells	2,486
Surface returns from South Gila Valley (S. Gila Canal Wasteway)	2,504
Return flow from North Gila Valley (6 drains & wasteways)	8,809
Return flow from South Gila Valley wells plus Yuma Mesa Division Unmeasured Return	55,771
Return flow from Yuma Mesa Outlet Drain (Yuma Mesa Conduit) B/	54,409
Return flow from protective and regulatory pumping unit C/	12,906
Estimated unmeasured groundwater return flow D/	26,248
Return flow share of Gila Main Canal loss E/	16,062
Subtotal return flow 0/	176,708
Consumptive Use (see note above)	134,855

- A/ Total for the North Gila Valley, the Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts
 - B/ 85 percent of the Yuma Mesa Outlet Drain credited to Yuma Mesa Irrigation and Drainage District with balance credited to 'Unit B'
 - C/ Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'
 - D/ Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
 - E/ Diversion multiplied by the mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1,397 af/yr) and phreatophyte use (2,154 af/yr)
- 8/ Reclamation currently considers pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International boundary (NIB), to not be diversions of Colorado River water. The Regional Directors' decision, of December 2004, was based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and, therefore, not flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican treaty obligation." Beginning with the 2004 Water Use report, inclusion of these line items will be discontinued
- 9/ Reclamation is engaged in a modeling study to determine the amount of water returning to the Colorado River upstream of NIB, and how this return is affected by pumping of the DPOC wellfield. Until comprehensive modeling of the Yuma area is complete, this pumpage is added to the Arizona's measured returns and subtracted from Arizona's unmeasured returns
- 10/ Details on Arizona Supplemental Sheets.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2003
STATE OF ARIZONA

6/15/05

(ACRE-FEET)

WATER USER	USGS #	0/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company			0.9	0.8	1.6	2.3	3.1	3.5	3.4	2.6	2.3	2.2	1.5	0.9	25
SUBTOTALS, LEE FERRY TO DAVIS DAM	1/		1	1	2	2	3	4	3	3	2	2	2	1	26
		DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	0	0	1	1	1	1	1	1	1	1	1	0	9
		UNMEAS. RETURNS	1	1	1	1	2	3	2	2	1	1	1	1	17
		CONSUMPTIVE USE													
McAlister, M. River Intake			0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	7
Vanderslice 34°50'17.8"N 114°34'11.0"W	2/3/	ADP-07	The pumpage from these two wells is added to MVIDD diversions, listed on page 7 as: "Pumped from Topock Mar												
Pelican Bend Farm 34°50'08.3"N 114°34'29.4"W	2/3/	ADP-08													
Crystal Beach Water Conservation District			7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	90
Arizona-American Water Co. (Havasus Water Co)			38.3	32.7	39.1	42.5	53.1	61.5	76.6	67.9	71.8	68.7	46.7	50.2	649
Arizona State Land Department			1.5	1.2	1.2	2.1	0.2	4.2	2.5	2.2	1.9	0.3	0.8	2.5	20
Arizona State Parks (Windsor Beach)			1.6	3.7	1.5	0.9	3.2	3.2	5.8	5.1	4.5	5.4	2.3	1.6	39
SUBTOTALS, DAVIS DAM TO PARKER DAM	1/		50	46	50	54	65	77	93	83	86	82	58	62	806
		DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	18	16	18	19	23	27	33	29	30	29	20	22	284
		UNMEAS. RETURNS	32	30	32	35	42	50	60	54	56	53	38	40	522
		CONSUMPTIVE USE													
Hillcrest Water Co.			1.3	3.1	3.1	2.0	3.1	2.7	2.8	4.1	2.2	3.3	2.8	2.2	33
Rayner, Jack Jr. 33°41'24.6"N 114°30'45.9"W		AEP-9	241.5	325.8	49.1	235.8	307.5	240.9	370.4	462.3	457.9	218.9	88.7	173.6	3172
Rayner, Jack Jr. 33°41'24.6"N 114°30'45.9"W		AEW-35	125.4	213.0	30.4	99.6	40.6	70.9	130.1	108.5	124.4	70.5	32.4	30.9	1077
Cibola Sportsman 33°18'09.8"N 114°40'36.3"W			26.7	21.4	36.4	39.3	48.1	58.3	63.6	61.2	48.1	40.3	28.6	28.2	500
North Baja Pipeline, LLC, (PG&E)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0
BLM Permittees (LHFO & YFO)	4/		48.4	60.4	82.4	89.0	108.8	132.0	144.0	138.6	108.9	91.3	64.8	63.8	1132
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	1/		443	624	201	466	508	505	711	775	741	424	217	299	5914
		DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	155	218	70	163	178	177	249	271	259	148	76	105	2069
		UNMEAS. RETURNS	288	406	131	303	330	328	462	504	482	276	141	194	3845
		CONSUMPTIVE USE													
YUMA ISLAND - AZ															
Bard Date Gardens 32°44'50.9"N 114°31'56.3"W	5/	AEW-03	3.8	7.2	15.4	52.2	4.3	4.3	18.5	14.7	23.4	25.7	11.5	6.6	188
Bard Date Gardens 32°44'26.5"N 114°31'52.4"W	5/	AEP-01	69.2	32.4	79.2	77.0	134.2	167.9	231.3	81.4	38.8	127.1	143.0	136.7	1318
Glen Curtis Citrus 32°43'17.8"N 114°33'50.2"W	5/	AEP-02, 03	72.2	90.1	123.1	132.9	162.5	197.1	215.0	206.9	162.6	136.3	96.7	95.2	1690
Glen Curtis Citrus 32°43'59.7"N 114°33'41.4"W	5/	AEW-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Glen Curtis Citrus 32°44'32.9"N 114°33'36.7"W	5/	AEW-05	63.6	13.8	14.7	87.6	101.9	34.5	102.1	194.8	7.0	14.3	0.0	0.0	634
Glen Curtis Citrus 32°43'47.1"N 114°32'49.1"W	2/3/	ADW-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Yowelman, R. 32°43'59.9"N 114°32'44.4"W	2/3/	ADW-02	55.0	44.0	75.1	81.0	99.1	120.2	131.1	126.2	99.2	83.1	59.0	58.1	1031
Harp, Yowelman 32°43'59.9"N 114°32'44.4"W	2/3/	ADW-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Ranch "5" Lands, Yuma Island, AZ (760ac)	6/		67.9	76.1	212.4	220.7	168.2	64.3	227.2	87.3	214.8	369.9	137.5	69.0	1915
SUM OF YUMA ISLAND - AZ			331.6	263.6	519.8	651.4	670.1	588.3	925.2	711.3	545.7	756.4	447.6	365.6	6777

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2003
STATE OF ARIZONA

6/15/05

(ACRE-FEET)

WATER USER			USGS #	0/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
BLM Permittees (YFO)					10.9	13.6	18.6	20.0	24.5	29.7	32.4	31.2	24.5	20.6	14.6	14.4	255
Pratt, L.	32°49'31.2"N 114°29'10.3"W	2/3/5/			6.8	8.5	11.6	12.5	15.3	18.5	20.2	19.5	15.3	12.8	9.1	9.0	159
Ott, Judd T.	32°42'48.1"N 114°33'33.7"W	5/	AEW-06														0
Ott, Judd T.	32°42'49.4"N 114°33'34.9"W	5/3/	AEW-07														0
Cameron Brothers	32°42'34.0"N 114°34'13.1"W	5/	AEW-08														0
Cameron Brothers	32°43'00.0"N 114°34'28.1"W	5/3/	AEW-10														0
Cameron Brothers	32°42'59.7"N 114°34'43.4"W	5/3/	AEW-11														0
Peach	32°42'21.9"N 114°34'50.5"W	5/3/	AEW-41														0
Ogram, George	32°42'54.2"N 114°34'12.5"W	5/	AEW-09		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Peach	32°42'47.3"N 114°35'35.0"W	5/3/	AEW-12		12.2	9.8	16.7	18.0	22.0	26.7	29.1	28.0	22.0	18.5	13.1	12.9	229
Peach	32°42'49.0"N 114°36'05.3"W	5/	AEW-13		35.8	0.5	37.1	43.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	45.9	173
Yucca Pwr Plant (Arizona Public Service Co.)					41.5	33.6	0.5	2.3	8.3	17.3	41.1	37.2	54.9	62.3	51.7	53.7	404
Amigo Farms	32°43'53.2"N 114°39'21.9"W	2/3/	aew-14, adp-1		18.3	14.7	25.0	27.0	33.0	40.1	43.7	42.1	33.1	27.7	19.7	19.4	344
Curry Family Limited	32°44'00.3"N 114°40'03.9"W	2/3/	aep-4, adp-2		15.0	12.0	20.5	22.1	27.0	32.8	35.8	34.4	27.1	22.7	16.1	15.8	281
Power, P.	32°44'10.2"N 114°40'45.5"W	2/3/	ADP-03,-04		71.6	57.4	97.8	105.6	129.1	156.7	170.9	164.5	129.3	108.3	76.9	75.7	1344
Doug Mellon Farms	32°43'55.6"N 114°41'26.3"W	5/	AEW-15														0
Doug Mellon Farms	32°44'10.0"N 114°41'56.4"W	5/	AEW-16														0
Cocopah Bend RV Park	SEC30 T16S R22E BDB	2/3/															0
Hall, Ansil	32°43'26.6"N 114°42'54.8"W	2/4/7/	ADP-05		26.7	21.4	36.4	39.3	48.1	58.3	63.6	61.2	48.1	40.3	28.6	28.2	500.0
Glen Curtis Citrus	32°38'11.4"N 114°45'47.0"W		AEW-17														0
Glen Curtis Citrus	32°38'11.4"N 114°45'47.0"W		AEW-18														0
Glen Curtis Citrus	32°38'11.4"N 114°45'47.0"W		AEW-19														0
Jim Cuming	32°37'27.4"N 114°46'19.8"W		AEW-21														0
Jim Cuming	32°37'03.9"N 114°46'19.3"W		AEW-22														0
Jim Cuming	32°36'57.7"N 114°46'20.0"W		AEW-23														0
Jim Cuming	32°36'52.6"N 114°47'18.0"W		AEW-27														0
Jim Cuming	32°36'39.2"N 114°47'10.8"W		AEW-30														0
Jim Cuming	32°35'41.2"N 114°46'55.3"W		AEW-31														0
Jim Cuming	32°37'06.2"N 114°46'55.9"W		ADW-06														0
Jim Cuming	32°37'06.2"N 114°46'55.9"W		ADW-07														0
Jim Cuming	32°35'05.5"N 114°47'42.4"W		ADW-08														0
Waymon Farms	32°36'39.0"N 114°46'09.8"W		AEW-28														0
Waymon Farms	32°36'38.4"N 114°45'54.6"W		AEW-29														0
Jim Cuming	32°33'48.0"N 114°47'21.5"W	7/	AEW-32														0
Earl Hughs	32°29'55.8"N 114°48'25.6"W	7/	AEW-33														0
Burell	32°41'48.0"N 114°43'46.4"W	7/	ADW-05														0
Jim Cuming	32°32'13.5"N 114°47'51.2"W	7/	ADW-09														0
J. Barkley	32°30'56.6"N 114°47'56.7"W	7/	ADW-10														0
Roger S. Brown	32°30'25.0"N 114°48'02.4"W	7/	ADW-11														0
State of Arizona (Arizona State Land Department)					406.1	402.2	407.2	883.6	934.1	800.6	968.5	930.0	801.0	834.5	658.1	591.7	8,617.4
SUBTOTALS, BELOW IMPERIAL DAM		1/	DIVERSION		977	837	1,191	1,825	1,922	1,769	2,331	2,059	1,701	1,904	1,335	1,232	19,083
			MEAS. RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
			UNMEAS. RETURNS		342	293	417	639	673	619	816	721	595	666	467	431	6,679
			CONSUMPTIVE USE		635	544	774	1,186	1,249	1,150	1,515	1,338	1,106	1,238	868	801	12,404
TOTAL ARIZONA SUPPLEMENTAL TABULATION		1/	DIVERSION		1,471	1,508	1,444	2,347	2,498	2,355	3,138	2,920	2,530	2,412	1,612	1,594	25,829
			MEAS. RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
			UNMEAS. RETURNS		515	527	506	822	875	824	1,099	1,022	885	844	564	558	9,041
			CONSUMPTIVE USE		956	981	938	1,525	1,623	1,531	2,039	1,898	1,645	1,568	1,048	1,036	16,788

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2003
 STATE OF ARIZONA

6/15/05

(ACRE-FEET)

WATER USER	USGS #	0/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Footnotes:

- 0/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
- 1/ Monthly and annual totals rounded to the nearest whole number.
- 2/ Calculated by assuming an annual diversion rate of 6.25 af per acre.
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ BLM Permittees reported total includes 216 af diverted by Pratt for the Pratt Revegetation Project. Pratt agricultural use has been reduced by this quantity.
- 5/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge ratio.
- 6/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state. Use has been deducted from Bard diversions.
- 7/ BLM Permittee, Limitrophe area, administered by BLM YFO.
- 8/ Reclamation currently considers pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International boundary (NIB), to not be diversions of Colorado River water. The Regional Directors' decision, of December 2004, was based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and, therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican treaty obligation." Beginning with the 2004 Water Use report, these line items will be discontinued.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF CALIFORNIA
06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
FORT MOJAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS DELIVERED BY CITY OF NEEDLES	DIVERSION 1/ DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	565 2 0 262 305	486 2 0 225 263	981 3 0 455 529	1,695 4 0 785 914	1,732 4 0 802 934	2,355 5 0 1,091 1,269	2,219 6 0 1,028 1,197	2,029 6 0 940 1,095	2,251 4 0 1,042 1,213	1,408 4 0 652 760	408 3 0 190 221	306 3 0 143 166	16,435 46 0 7,615 8,866
CITY OF NEEDLES PUMPED FROM 4 WELLS IN FLOODPLAIN	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE 2/	138 22 24 92	110 27 30 53	188 37 42 110	203 40 45 118	248 49 55 145	301 59 66 176	329 65 73 192	316 62 70 184	249 49 55 145	208 41 46 121	148 29 33 86	145 29 32 85	2,583 508 570 1,506
CHEMEHUEVI INDIAN RESERVATION PUMPED FROM RIVER AND WELLS	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	0 0 0 0	0 0 0 0	15 0 7 8	17 0 8 9	3 0 1 2	0 0 0 0	2 0 1 1	6 0 3 3	191 0 88 103	190 0 88 102	197 0 91 106	0 0 0 0	621 0 287 334
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION 3/ MEAS. RETURNS 4/ UNMEAS. RETURNS CONSUMPTIVE USE	58,009 261 0 57,748	6,390 1,434 0 4,956	81,919 271 0 81,648	83,190 251 0 82,939	53,477 264 0 53,213	34,569 244 0 34,325	50,924 266 0 50,658	62,910 248 0 62,662	56,943 249 0 56,694	57,644 259 0 57,385	66,941 245 0 66,696	75,127 265 0 74,862	688,043 4,257 0 683,786
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	8 2 0 6	6 2 0 4	6 2 0 4	4 2 0 2	16 10 0 6	18 10 0 8	24 10 0 14	19 10 0 9	17 10 0 7	18 1 0 16	10 1 0 9	11 1 0 9	156 62 0 94
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 4 RIVER PUMPS 4 PUMPS - BIG RIVER DEVELOPMENT	DIVERSION DIVERSION MEAS. RETURNS UNMEAS. RETURNS 5/ CONSUMPTIVE USE	52 85 0 59 78	324 64 0 168 219	66 88 0 67 87	305 113 0 181 237	206 161 0 159 208	419 194 0 265 347	349 205 0 240 313	308 179 0 211 275	301 151 0 196 256	314 143 0 198 260	109 93 0 88 114	104 75 0 78 102	2,857 1,551 0 1,910 2,497
CITY OF WINTERHAVEN PUMPED FROM 1 WELL IN FLOODPLAIN	DIVERSION 6/ MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	7 0 2 5	5 0 2 3	9 0 3 6	10 0 3 7	12 0 4 8	15 0 5 10	16 0 5 11	16 0 5 11	12 0 4 8	10 0 3 7	7 0 2 5	7 0 2 5	128 0 40 88
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION MEAS. RETURNS UNMEAS. RETURNS CONSUMPTIVE USE	36,210 25,170 2,028 9,012	41,450 30,431 2,321 8,698	73,160 34,825 4,097 34,238	92,080 38,823 5,156 48,101	105,400 44,088 5,902 55,410	107,500 47,907 6,020 53,573	105,700 46,858 5,919 52,923	103,700 47,852 5,807 50,041	88,250 46,193 4,942 37,115	64,750 48,376 3,626 12,748	41,290 38,507 2,312 471	57,870 37,309 3,241 17,320	917,360 486,339 51,371 379,650
YUMA PROJECT, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION MEAS. RETURNS UNMEAS. RETURNS	3,030 34 506	2,368 35 395	5,701 82 952	6,775 14 1,131	5,797 97 968	2,303 32 385	2,451 30 409	2,118 34 354	2,786 42 465	6,055 148 1,011	3,900 143 651	3,068 114 512	46,352 805 7,739
YUMA PROJECT, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION MEAS. RETURNS UNMEAS. RETURNS	2,256 14 377	1,859 16 310	4,945 42 826	5,945 7 993	6,312 65 1,054	4,661 40 778	4,507 38 753	2,845 27 475	3,077 30 514	4,686 71 783	3,288 75 549	2,596 58 434	46,977 483 7,846

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF CALIFORNIA

06/15/05

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
UNASSIGNED RETURNS FROM YUMA PROJECT, RESERVATION DIVISION	MEAS. RETURNS 7/	2,511	2,473	2,586	2,418	3,129	3,006	2,567	2,741	1,987	2,433	3,032	2,520	31,403
SUM, YUMA PROJECTS, RES. DIV. USE	CONSUMPTIVE USE	1,844	998	6,158	8,157	6,796	2,723	3,161	1,332	2,825	6,295	2,738	2,026	45,053
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	162,274	126,025	278,351	336,869	339,641	319,043	341,347	293,460	265,472	270,714	178,927	154,238	3,066,361
	MEAS. RETURNS	3,015	3,112	6,646	1,192	9,927	8,310	8,225	7,872	7,438	11,158	11,399	9,844	88,138
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	159,259	122,913	271,705	335,677	329,714	310,733	333,122	285,588	258,034	259,556	167,528	144,394	2,978,223
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	18,366	15,408	21,316	27,841	31,393	30,573	31,327	31,392	31,764	29,217	20,996	16,330	305,923
	MEAS. RETURNS	341	381	509	99	918	796	755	842	890	1,204	1,338	1,042	9,115
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	18,025	15,027	20,807	27,742	30,475	29,777	30,572	30,550	30,874	28,013	19,658	15,288	296,808
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 8/	1,071	910	1,565	1,757	2,075	2,285	2,552	2,361	2,148	1,996	1,328	1,160	21,208
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	474	401	691	776	916	1,008	1,127	1,042	949	883	587	512	9,367
	CONSUMPTIVE USE	597	509	874	981	1,159	1,277	1,425	1,319	1,199	1,113	741	648	11,841
CALIFORNIA TOTALS	DIVERSION	282,073	195,407	468,314	556,808	546,477	504,241	541,958	501,664	453,617	437,358	317,645	311,041	5,116,601
	MEAS. RETURNS	31,369	37,911	45,000	42,846	58,547	60,405	58,814	59,688	56,888	63,691	54,769	51,182	621,110
	UNMEAS. RETURNS	3,732	3,852	7,140	9,078	9,861	9,619	9,554	8,906	8,255	7,290	4,503	4,954	86,745
	CONSUMPTIVE USE	246,971	153,644	416,174	504,884	478,069	434,218	473,590	433,069	388,474	366,376	258,372	254,905	4,408,746

NOTE: The term 'CONSUMPTIVE USE' as used in this tabulation means diversions including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 0/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 1/ The diversion amounts are provided by the user. The quantities are calculated by adding M&I use to the product of the acreage of each crop type. It is then multiplied by the crop's specific evapotranspiration, times irrigation efficiency.
- 2/ A portion of the use is offset by pumping from the LCWSP. Details are shown in the LCWSP Section of this report.
- 3/ MWD diversion does not include the 691 af diverted for Tijuana, Mexico.
- 4/ Estimate based on measured seepage returning from regulatory reservoirs less an estimated amount of phreatophyte use. High February returns include partial evacuation of Gene Wash Reservoir through Whitsett Intake Pumping Plant and Gene Wash. Partial evacuation was necessary to undertake headgate repairs at Whitsett Intake Pumping Plant.
- 5/ Unmeasured returns calculated as 40% of Big River pumpage.
- 6/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 7/ Unassigned Measured Returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
- 8/ Details can be found on the California Supplemental Sheets.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2003
 STATE OF CALIFORNIA
 6/15/05

			(ACRE-FEET)												
WATER USER	USGS #	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
De Soto Ranch 34° 59' 42.6"N 114° 38' 35.8"W	2/	cew-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
De Soto Ranch 34° 59' 22.9"N 114° 38' 59.6"W	2/	cew-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Southern Cal Gas 34° 59' 22.9"N 114° 38' 59.6"W	3/1/	cew-21	5.6	6.9	9.5	10.2	12.5	15.2	16.5	15.9	12.5	10.5	7.4	7.3	130.0
Pacific Gas & Electric Company	4/		4.3	5.3	7.3	7.9	9.6	11.7	12.7	12.2	9.6	8.1	5.7	5.6	100.0
Havasu Water Company T5N/R25E SEC31	4/	Needles rpt.	2.6	3.2	4.4	4.7	5.8	7.0	7.6	7.3	5.8	4.8	3.4	3.4	60.0
Wells reported under non-Federal subcontracts to LCWSP	4/	Needles rpt.	6.5	8.2	11.1	12.0	14.7	17.8	19.5	18.7	14.7	12.3	8.8	8.6	153.0
SUBTOTALS, DAVIS DAM TO PARKER DAM	5/	DIVERSION	19.0	24.0	32.0	35.0	43.0	52.0	56.0	54.0	43.0	36.0	25.0	25.0	444.0
		MEAS. RETURNS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		UNMEAS. RETURNS	3.6	4.5	6.2	6.7	8.2	9.9	10.8	10.4	8.2	6.9	4.9	4.8	85.0
		CONSUMPTIVE USE	15.4	19.5	25.8	28.3	34.8	42.1	45.2	43.6	34.8	29.1	20.1	20.2	359.0
Lye, C. L. 34° 05' 24.6"N 114° 27' 46.7"W	6/3/	cew-16	15.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
Lake Enterprises of California (was Pichaco Dev't)			0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	3.0
BLM Permittes (LHFO & YFO)	7/		30.7	29.5	34.5	34.0	46.3	57.0	49.4	49.0	49.2	34.5	37.2	28.6	480.0
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	5/	DIVERSION	46.0	30.0	34.0	34.0	47.0	57.0	50.0	50.0	49.0	34.0	38.0	29.0	498.0
		MEAS. RETURNS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		UNMEAS. RETURNS	20.6	13.4	15.2	15.2	21.0	25.5	22.4	22.4	21.9	15.2	17.0	13.0	223.0
		CONSUMPTIVE USE	25.4	16.6	18.8	18.8	26.0	31.5	27.7	27.7	27.1	18.8	21.0	16.0	275.0
Wetmore, Kenneth C.	7/3/		0.3	0.2	0.4	0.4	0.5	0.6	0.7	0.7	0.5	0.4	0.3	0.3	5.0
Williams, Jerry O. & Deloris P.	7/3/		0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.1	1.0
Lindeman, William H. & Hazel D.	7/3/		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carney, Jerome D.	7/3/		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Wetmore, Mark M.	7/3/		0.5	0.4	0.7	0.7	0.9	1.1	1.2	1.1	0.9	0.8	0.5	0.5	9.0
<u>FORT YUMA IR - CA</u>															
Valdez, Mike 32° 48'N 114° 30'W	6/3/	cdp-1, 2, cew-1	53.3	42.7	72.8	78.6	96.1	116.6	127.2	122.4	96.2	80.6	57.2	56.3	1,000.0
Living Earth Farm 32° 48'N 114° 31'W	6/3/	cew-02, cdp-3	29.3	23.5	40.0	43.2	52.9	64.1	70.0	67.3	52.9	44.3	31.5	31.0	550.0
Mike Valdez	6/3/	cew-3, cdp-4, cdw-1	169.9	136.1	232.0	250.5	306.3	371.6	405.4	390.1	306.6	256.9	182.3	179.4	3,187.0
MivCo Packing 32° 46' 40.6"N 114° 33' 35.0"W	2/3/	cew-14	42.6	49.5	86.5	120.9	125.0	44.0	27.5	41.2	134.6	228.0	193.7	130.5	1,224.0
Valdez, Mike 32° 44' 18.2"N 114° 35' 20.3"W	2/3/	cew-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranch "5" Lands, Yuma Island, CA (530 ac)	8/	AAC diversion	47.2	52.9	147.6	153.3	116.9	44.7	157.9	60.7	149.2	257.1	95.5	48.0	1,331.0
Huerta Packing 32° 44' N 114° 39' W	6/3/	cdp-6, 7	20.0	16.0	27.3	29.5	36.0	43.7	47.7	45.9	36.1	30.2	21.5	21.1	375.0
<u>Sum of pumping on FYIR - CA</u>			362.2	320.6	606.3	676.0	733.1	684.7	835.6	727.6	775.6	897.1	581.6	466.3	7,667.0
<u>YUMA ISLAND - CA</u>															
<u>Arizona State Land Department Lessees</u>															
Horizon Farms	6/	cep-1, 2, 3 cdpw-6, 7, cew-8, cdp-5, cdew-1 cdw-5, cew-7	153.5	123.0	209.7	226.4	276.8	335.8	366.3	352.5	277.1	232.1	164.7	162.1	2,880.0
Ed Wavers Farming 32° 45'N 114° 33'W	2/3/		12.8	10.3	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240.0
Land, K. H. 32° 45' 32.1"N 114° 34' 58.5"W	2/3/	cew-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wilson Farms 32° 45' 23.9"N 114° 34' 37.8"W	2/	cew-11	11.2	0.0	1.4	12.6	14.0	15.4	12.6	12.6	0.0	8.4	4.2	4.2	97.0
Horizon Farms & R. Harp	6/	cew-4, 5, 6, 10, cdw-2, 1	333.6	267.2	455.6	491.9	601.4	729.7	796.0	766.0	602.0	504.4	358.0	352.3	6,258.0
Dees, Alex 32° 45' 40.0"N 114° 33' 55.5"W	2/	cew-09	74.1	88.2	128.8	176.4	231.2	254.0	264.6	234.6	273.4	176.4	79.4	45.9	2,027.0
Power, L.O. 32° 44' 45.6"N 114° 33' 12.9"W	6/	cew-13	57.6	46.1	78.6	84.9	103.8	125.9	137.4	132.2	103.9	87.1	61.8	60.8	1,080.0
<u>Sum of pumping on Yuma Island - CA</u>			643.0	535.0	892.0	1,011.0	1,250.0	1,489.0	1,608.0	1,527.0	1,279.0	1,028.0	682.0	639.0	12,583.0
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	5/	DIVERSION	1,006.0	856.0	1,499.0	1,688.0	1,985.0	2,176.0	2,446.0	2,257.0	2,056.0	1,926.0	1,265.0	1,106.0	20,266.0
		MEAS. RETURNS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		UNMEAS. RETURNS	449.7	382.6	670.1	754.5	887.3	972.7	1,093.4	1,008.9	919.0	860.9	565.5	494.4	9,059.0
		CONSUMPTIVE USE	556.3	473.4	828.9	933.5	1,097.7	1,203.3	1,352.6	1,248.1	1,137.0	1,065.1	699.5	611.6	11,207.0

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2003
 STATE OF CALIFORNIA
 6/15/05

(ACRE-FEET)

WATER USER	USGS #	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION	5/														
		DIVERSION	1,071.0	910.0	1,565.0	1,757.0	2,075.0	2,285.0	2,552.0	2,361.0	2,148.0	1,996.0	1,328.0	1,160.0	21,208.0
		MEAS. RETURNS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		UNMEAS. RETURNS	473.9	400.6	691.5	776.4	916.5	1,008.1	1,126.5	1,041.7	949.1	883.0	587.3	512.1	9,367.0
		CONSUMPTIVE USE	597.1	509.4	873.5	980.6	1,158.5	1,276.9	1,425.5	1,319.3	1,198.9	1,113.0	740.7	647.9	11,841.0

Footnotes:

- 0/ Total may differ from the sum of the values due to rounding.
- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
- 2/ Calculated from monthly power records and power-discharge measurements where available, otherwise from power-discharge rate.
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 5/ Monthly and annual totals rounded to the nearest whole number.
- 6/ Calculated by assuming an annual diversion rate of 6.25 at per acre.
- 7/ Location of well/pump not reported.
- 8/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state.
 Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF NEVADA

06/15/05

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 0/
BOULDER CANYON PROJECT DIVERSION AT HOOVER DAM	4	5	5	4	4	5	5	5	5	4	5	5	55
	2	2	2	2	2	2	2	2	2	2	2	2	22
	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	3	3	3	2	3	3	3	3	3	3	3	33
ROBERT B. GRIFFITH WATER PROJECT DIVERSION AT SADDLE ISLAND, LAKE MEAD	29,211	25,480	30,259	37,599	38,471	43,816	46,716	44,602	38,854	46,947	35,025	33,761	450,741
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	29,211	25,480	30,259	37,599	38,471	43,816	46,716	44,602	38,854	46,947	35,025	33,761	450,741
LAKE MEAD NATIONAL RECREATION AREA DIVERSIONS FROM LAKE MEAD	51	47	56	63	78	86	111	105	85	83	57	30	850
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	51	47	56	63	78	86	111	105	85	83	57	30	850
LAKE MEAD NATIONAL RECREATION AREA DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	19	17	20	24	18	21	25	32	20	25	22	15	257
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	19	17	20	24	18	21	25	32	20	25	22	15	257
BASIC MANAGEMENT INC. DIVERSION AT SADDLE ISLAND, LAKE MEAD	393	460	537	449	427	383	536	497	436	458	371	385	5,332
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	393	460	537	449	427	383	536	497	436	458	371	385	5,332
CITY OF HENDERSON DIVERSION AT SADDLE ISLAND, LAKE MEAD	393	516	508	643	1,329	1,583	1,368	1,219	845	427	474	556	9,861
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	393	516	508	643	1,329	1,583	1,368	1,219	845	427	474	556	9,861
NEVADA DEPARTMENT OF FISH & GAME DIVERSION AT SADDLE ISLAND, LAKE MEAD	476	408	359	204	189	129	129	66	63	64	68	67	2,222
	475	407	358	203	188	128	128	65	62	63	67	66	2,210
	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	12
CITY OF BOULDER CITY DIVERSION AT HOOVER DAM	10	0	0	12	0	0	0	0	0	0	0	0	22
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	12	0	0	0	0	0	0	0	0	22
PACIFIC COAST BUILDING PRODUCTS INC. DIVERSION AT GYPSUM WASH, LAKE MEAD	71	82	48	95	73	79	84	61	54	82	66	74	869
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	71	82	48	95	73	79	84	61	54	82	66	74	869

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2003
STATE OF NEVADA

		06/15/05												TOTAL 0/
		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MOHAVE GENERATING STATION (SO. CAL. EDISON) PUMPED FROM 1 WELL	DIVERSION	998	718	889	425	557	1,193	1,254	1,206	1,209	1,121	1,018	976	11,564
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	998	718	889	425	557	1,193	1,254	1,206	1,209	1,121	1,018	976	11,564
BIG BEND WATER DISTRICT (LAUGHLIN, NV) DIVERSION	DIVERSION	392	342	394	425	492	531	544	545	502	460	323	365	5,315
	MEAS. RETURNS	268	259	279	269	290	280	338	323	219	203	213	205	3,146
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	124	83	115	156	202	251	206	222	283	257	110	160	2,169
FORT MOJAVE INDIAN RESERVATION PUMPED FROM 2 WELLS IN FLOODPLAIN	DIVERSION 1/	220	205	296	385	526	628	498	452	448	317	201	171	4,345
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	73	68	98	127	173	207	164	149	148	105	66	56	1,434
	CONSUMPTIVE USE	147	137	198	258	353	421	334	303	300	212	135	115	2,911
LAS VEGAS WASH RETURN FLOWS	RETURNS 2/	16,676	14,323	17,384	16,487	15,158	13,975	13,729	14,918	13,985	16,241	16,318	17,036	186,230
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY	DIVERSION 3/	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA TOTALS	DIVERSION	32,239	28,279	33,371	40,328	42,163	48,454	51,269	48,789	42,521	49,988	37,629	36,404	491,434
	MEAS. RETURNS	17,421	14,991	18,023	16,961	15,638	14,385	14,197	15,308	14,268	16,509	16,600	17,309	191,608
	UNMEAS. RETURNS	73	68	98	127	173	207	164	149	148	105	66	56	1,434
	CONSUMPTIVE USE	14,745	13,220	15,250	23,240	26,352	33,862	36,908	33,332	28,105	33,374	20,963	19,039	298,392
GROUNDWATER INJECTED STORAGE LAS VEGAS VALLEY WATER DIST.	INJECTED 4/	2,967	3,414	1,628	0	0	0	0	0	891	4,423	6,708	8,509	28,540
	WITHDRAWN	0	0	0	0	0	0	0	109	367	337	109	64	986
CITY OF NORTH LAS VEGAS	INJECTED	0	0	0	0	0	0	0	0	0	33	74	60	167
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

0/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

1/ Diversions provided by the user. Calculated by adding M&I use to the product of the acreage of each crop type times the crop specific evapotranspiration, times irrigation efficiency

2/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in USBR letter to SNWA and CRCN dated July 29, 2003.

3/ Details on Nevada Supplemental Sheets.

4/ Nevada Injected Storage Balance: A/

Beginning of Year Cumulative Injected Storage B/	251,825
Plus Current Year Additions	28,707
Minus Current Year Withdrawals	986
End of Year Cumulative Injected Storage	<u>279,546</u>

A/ Colorado River water injected into ground water storage is accounted as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River

B/ 2002 EOY Cumulative Storage, which is equal to 2003 BOY Cumulative Storage, was corrected after release of the 2002 Decree Accounting report.

NEVADA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2003
 STATE OF NEVADA
 06/15/05

WATER USER		(ACRE-FEET)												TOTAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
Sportsman's Park	1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boy Scouts of America	SEC5 T33S R66E 1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nevada Supplemental Tabulation		DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

1/ Pumped uses for each diverter listed for Nevada were zero in 2003.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO
ORDERS BUT NOT DIVERTED BY PARTY ORDERING SAME
AND QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN
SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
IN ACCORDANCE WITH ARTICLE V(C) OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

The following tabulations for calendar year 2003 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation has tabulated quantities of such rejected water delivered to Mexico in excess of Treaty requirements and quantities delivered to storage. Reclamation is revising the methodology used to pro-rate individual contributions of rejected water delivered to Mexico in excess of Treaty requirements, therefore this line has been left blank, resulting in all rejected water reported as having been delivered to storage or other users.

Water ordered but not diverted was analyzed daily for each diverter as the absolute value of the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of

diversion from the mainstream. To the extent possible, "water ordered but not diverted" was delivered to others in satisfaction of their rights. The quantities of such deliveries are shown on the tabulation. Deliveries of water to Mexico in satisfaction of the Mexican Treaty are scheduled based on Mexico's daily orders. Releases from storage are scheduled in sufficient quantities, which when added to return flows, meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the treaty, therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations show no "water ordered but not diverted" as being delivered to Mexico in satisfaction of the treaty.

Currently, no daily orders are received for diversion from the Colorado River in Nevada so no sheet is included for Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any "water ordered but not diverted" would be retained for future use and would have no significant effect on scheduling of daily operations of the reservoir.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2003
 STATE OF ARIZONA

WATER USER	6/15/2005												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	1,291	1,843	509	1,108	5,283	4,159	434	2,664	643	826	5,417	1,675	25,852
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO STORAGE 2/	1,291	1,843	509	1,108	5,283	4,159	434	2,664	643	826	5,417	1,675	25,852
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
COLO. RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK													
ORDERED BUT NOT DIVERTED	4,019	349	16,812	129	0	422	0	0	6,377	383	204	32	28,727
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	4,019	349	16,812	58	0	103	0	0	6,377	238	12	2	27,970
DELIVERED TO STORAGE 2/	0	0	0	71	0	319	0	0	0	145	192	30	757
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
NORTH GILA VALLEY I.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	621	0	2,866	2,366	3,045	3,630	4,237	1,767	849	3,140	4,356	2,325	29,202
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	621	0	2,866	1,404	3,045	1,734	198	1,767	849	899	972	502	14,857
DELIVERED TO STORAGE 2/	0	0	0	962	0	1,896	4,039	0	0	2,241	3,384	1,823	14,345
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
STURGES (WARREN ACT), GILA PROJECT DISTRICTS													
DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO STORAGE 2/	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
WELLTON-MOHAWK I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,939	6,060	2,834	3,011	3,864	4,231	30,125	2,313	6,476	6,988	6,365	3,957	80,163
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	3,939	6,060	2,834	605	3,864	1,817	1,376	2,313	6,476	1,363	591	508	31,746
DELIVERED TO STORAGE 2/	0	0	0	2,406	0	2,414	28,749	0	0	5,625	5,774	3,449	48,417
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	48	940	250	424	226	363	859	1,386	1,214	290	1,049	317	7,366
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	48	940	250	141	226	153	8	1,386	1,214	73	87	169	4,695
DELIVERED TO STORAGE 2/	0	0	0	283	0	210	851	0	0	217	962	148	2,671
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
YUMA MESA I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	2,680	2,192	805	1,982	9,295	1,601	1,503	6,393	3,374	2,900	2,497	2,120	37,342
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2003
STATE OF ARIZONA

6/15/2005		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	DIVERTED BY OTHERS	2,680	248	272	952	1,269	623	20	6,393	1,505	424	115	248	14,749
	DELIVERED TO STORAGE	0	1,944	533	1,030	8,026	978	1,483	0	1,869	2,476	2,382	1,872	22,593
	DELIVERED TO MEXICO IN EXCESS OF TREATY													0
UNIT "B" I. & D. DISTRICT, DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	212	545	944	290	627	0	319	791	819	668	545	805	6,565
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	63	545	944	139	627	0	16	190	819	157	54	256	3,810
	DELIVERED TO STORAGE	149	0	0	151	0	0	303	601	0	511	491	549	2,755
	DELIVERED TO MEXICO IN EXCESS OF TREATY													0
YUMA COUNTY WATER USERS ASSN., DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	3,503	6,873	5,768	5,768	6,254	2,773	3,447	2,664	2,130	3,537	4,695	3,598	51,010
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	3,503	1,581	5,768	2,547	6,254	1,807	891	2,664	2,130	1,293	708	1,678	30,824
	DELIVERED TO STORAGE	0	5,292	0	3,221	0	966	2,556	0	0	2,244	3,987	1,920	20,186
	DELIVERED TO MEXICO IN EXCESS OF TREATY													0
ARIZONA TOTALS	ORDERED BUT NOT DIVERTED	16,313	18,802	30,788	15,078	28,594	17,179	40,924	17,978	21,882	18,732	25,128	14,829	237,874
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	14,873	9,723	29,746	5,846	15,285	6,237	2,509	14,713	19,370	4,447	2,539	3,363	128,651
	DELIVERED TO STORAGE	1,440	9,079	1,042	9,232	13,309	10,942	38,415	3,265	2,512	14,285	22,589	11,466	137,576
	DELIVERED TO MEXICO IN EXCESS OF TREATY													0

1/ Reclamation is revising the methodology used to determine, by user, the amount of Water Ordered but not Diverted that is delivered to Mexico in excess of the 1944 Treaty requirements

2/ Stored in Lake Havasu or Senator Wash Reservoir for future use.

3/ See next section, which tabulates Deliveries to Mexico, for total amount of water delivered in Excess of Schedule.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2003
STATE OF CALIFORNIA
6/15/2005

WATER USER	(ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	266	52	418	40	273	175	185	335	174	522	241	230	2,911
DELIVERED BY OTHERS DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	266	52	418	40	273	175	185	335	174	522	241	230	2,911
													0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	8,025	2,380	198	2,707	3,773	2,460	3,721	694	456	260	9,668	1,190	35,532
DELIVERED BY OTHERS DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	8,025	2,380	198	535	3,773	1,655	986	694	456	101	1,855	591	21,249
	0	0	0	2,172	0	805	2,735	0	0	159	7,813	599	14,283
													0
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	4,741	3,929	1,315	1,886	3,453	2,555	4,550	3,533	538	1,133	13,537	5,423	46,593
DELIVERED BY OTHERS DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	4,741	3,929	1,315	710	3,453	1,482	1,208	3,533	538	448	3,574	3,156	28,087
	0	0	0	1,176	0	1,073	3,342	0	0	685	9,963	2,267	18,506
													0
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	5,518	20,051	12,805	11,681	0	8,662	9,783	11,094	9,299	10,927	5,990	3,293	109,103
DELIVERED BY OTHERS DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	5,518	20,051	2,751	3,921	0	4,651	2,386	11,094	9,299	3,273	609	1,135	64,688
	0	0	10,054	7,760	0	4,011	7,397	0	0	7,654	5,381	2,158	44,415
													0
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	783	1,400	760	1,216	0	839	472	246	317	432	1,101	914	8,480
DELIVERED BY OTHERS DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	783	1,400	760	653	0	565	93	246	317	143	139	303	5,402
	0	0	0	563	0	274	379	0	0	289	962	611	3,078
													0

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2003
 STATE OF CALIFORNIA
 6/15/2005

WATER USER	(ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CALIFORNIA TOTALS													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	19,333	27,812	15,496	17,530	7,499	14,691	18,711	15,902	10,784	13,274	30,537	11,050	202,619
DIVERTED BY OTHERS DELIVERED TO STORAGE	19,067	27,760	5,024	5,819	7,226	8,353	4,673	15,567	10,610	3,965	6,177	5,185	119,426
DELIVERED TO MEXICO IN EXCESS OF TREATY	266	52	10,472	11,711	273	6,338	14,038	335	174	9,309	24,360	5,865	83,193
													0

Footnotes:

- 1/ Reclamation is revising the methodology used to determine, by user, the amount of Water Ordered but not Diverted that is delivered to Mexico in excess of the 1944 Treaty requirements
- 2/ Stored in Lake Havasu or Senator Wash Reservoir for future use.
- 3/ See next section, which tabulates Deliveries to Mexico, for total amount of water delivered in excess of schedule.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944
AND WATER PASSING TO MEXICO IN EXCESS OF
TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

CALENDAR YEAR 2003

06/15/05

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY AT NORTHERLY INTERNATIONAL BOUNDARY 1/	125,763	172,199	196,292	191,749	101,456	101,519	111,113	90,299	81,868	59,353	87,093	109,418	1,428,122
DELIVERY AT SOUTHERLY INTERNATIONAL BOUNDARY	8,718	9,292	10,718	12,965	10,902	9,971	11,064	10,577	10,968	13,240	13,365	11,262	133,042
DIVERSION FOR DELIVERY AT TIJUANA 2/	0	0	0	0	0	0	0	0	0	231	230	230	691
TOTAL DELIVERY TO MEXICO 3/	134,481	181,491	207,010	204,714	112,358	111,490	122,177	100,876	92,836	72,824	100,688	120,910	1,561,855
TO MEXICO AS SCHEDULED	130,285	154,940	199,770	193,325	108,570	111,372	121,513	99,884	90,358	71,655	98,904	119,424	1,500,000
TO MEXICO IN EXCESS OF SCHEDULE 4/	4,196	26,551	7,240	11,389	3,788	118	664	992	2,478	1,169	1,784	1,486	61,855
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC.	10,542	8,917	10,090	8,319	8,611	9,305	9,664	9,748	10,195	10,266	10,038	9,039	114,734

Footnotes:

1/ Values include wasteway deliveries to the river limitrophe in satisfaction of the 1944 Treaty requirements.

2/ Temporary emergency delivery of Colorado River water for Tijuana, diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA and Otay Water District's distribution systems pursuant to Minute No. 310 of the IBWC.

3/ Does not include Water Bypassed Pursuant to Minute No. 242 of the IBWC.

4/ Water that is lost to the United States through flows and/or releases into the Colorado River above Morelos Dam in excess of Lower Division States delivery orders and Mexican Treaty requirements.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

DIVERSIONS FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 2003

6/15/2005

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER													
DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER													
DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE DECREE OF THE
SUPREME COURT OF THE UNITED STATES
IN
*ARIZONA V. CALIFORNIA ET. AL.***

The information contained in the following four sections of this report is supplemental to the records required under Article V of the 1964 Supreme Court Decree in Arizona v. California et.al. The information is provided here in an effort to provide a broader record of related activities occurring in the Lower Division States of the Colorado River Basin, in a single, concise report. The final section contains documents significant to the actions taken by Reclamation, Lower Division States and water user agencies.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

The Bureau of Reclamation has developed and implemented an off-stream storage rule. This rule establishes the procedural framework for carrying out the interstate water banking program. The rule has been codified in 43 CFR Part 414 of the Code of Federal Regulations. Under this rule, authorized parties may enter into contractual agreements in which Colorado River water may be placed in off stream storage in one state for the future benefit of consuming entities in another state.

Following completion of the final regulation Reclamation, as the Secretary of the Interior's (Secretary's) authorized representative, entered into a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). The primary purpose of the SIRA is to provide structure and guidance, pursuant to Article II (B) (6) of the Decree, for the actions to be taken by the Secretary in the release of Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN entered into an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

A third key component of this interstate banking program is an Agreement for the Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and the Central Arizona Water Conservation District (CAWCD). Under the ICUA agreement, CAWCD is obligated to accept water recovered by pumping groundwater, the rights to which are in the form of long-term storage credits. In turn, CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount. Arizona's forbearance

in its use of Colorado River water, through CAWCD's reduced diversions, develops the ICUA, which is then released by the Secretary for use by SNWA.

Colorado River water diverted in Arizona for purposes of delivery to Arizona contractors for storage by agreement with the AWBA, in order to establish Long-Term Storage Credits for parties in Nevada or California, is accounted for as a consumptive use in Arizona in the year such water was diverted from the Colorado River. Colorado River water diverted for the use by parties in Nevada or California, pursuant to a SIRA, based upon the creation of ICUA in Arizona in the same year of the diversion, is accounted as a consumptive use in Nevada or California. This consumptive use may be in addition to the basic apportionment of Nevada or California, because of the Secretary's determination that the Colorado River water so consumed would not be consumed in Arizona, pursuant to Article II (B)(6) of the Decree in *Arizona v. California*.

CAWCD stored Colorado River water underground in Arizona through a demonstration storage project in the early 1990s. CAWCD developed interstate underground storage (IUS) credits that were later assigned to MWD and SNWA. IUS credits were assigned to MWD, under an agreement between CAWCD and MWD. IUS credits assigned to SNWA were made available for recovery in the form of ICUA under the aforementioned SIRA.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA, provisional ALTSC accrued during the past year, Long Term Storage Credits recovered during the past year, and ALTSC held for an entity with a valid SIRA.

STORAGE AND INTERSTATE RELEASE AGREEMENT
 COLORADO RIVER WATER STORED IN ARIZONA BY THE ARIZONA WATER BANKING AUTHORITY (AWBA) UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES WITH A VALID SIRA
 AND
 WATER DIVERTED AND BANKED IN ARIZONA BY THE CAWCD FOR AN ENTITY IN NEVADA OR CALIFORNIA WITH A VALID SIRA
 CALENDAR YEAR 2003

		(ACRE-FEET)												
		6/15/2005												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	EOY ALTSC
INTERSTATE BANKING SUMMARY														
NEVADA	Verified BOY ALTSC	1/5/	111,100											
Water stored for the	Accrued LTSC in 03	2/	0	0	0	0	0	0	0	0	0	0	0	0
Benefit of SNWA	Recovered LTSC in 03	3/	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	4/	111,100	0	0	0	0	0	0	0	0	0	0	111,100
CALIFORNIA **	Verified BOY IUS Credit	8/	89,000											
	Accrued LTSC in 03	2/	0	0	0	0	0	0	0	0	0	0	0	0
	Recovered LTSC in 03	3/	0	0	0	0	0	0	0	0	0	0	0	0
	Total IUS Credits	4/	89,000	0	0	0	0	0	0	0	0	0	0	89,000
STATES TOTAL	Verified BOY ALTSC	1/	200,100											
	Accrued LTSC in 03	2/	0	0	0	0	0	0	0	0	0	0	0	0
	Recovered LTSC in 03	3/	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	4/	200,100	0	0	0	0	0	0	0	0	0	0	200,100
WATER DIVERTED AND BANKED IN ARIZONA														
Water Diverted to Storage for Nevada	DIVERSION	6/	0	0	0	0	0	0	0	0	0	0	0	0
Water Diverted to Storage for California	DIVERSION	7/	0	0	0	0	0	0	0	0	0	0	0	0

** At present there is not a Storage and Interstate Release Agreement between AWBA and a California entity, data from any future agreement will be presented here.

Footnotes:

- 1/ Accumulated Long-Term Storage Credits (ALTSC) verified by AWBA at the beginning of the reporting year (BOY) to be available for recovery by a specific entity with a valid SIRA. Requested Intentionally Created Unused Apportionment (ICUA) cannot exceed verified ALTSC.
- 2/ Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA. Provisional LTSC have not been verified by AWBA and are not eligible for certification and recovery. Accruals of LTSC for the benefit of consuming entities in Nevada and California are limited to 200 KAF annually.
- 3/ ALTSC recovered by AWBA during the reporting year, represented by ICUA that AWBA certified to be available and the Secretary has released to a specific entity with a valid SIRA during the same year. The ALTSC is certified by AWBA when ICUA is requested prior to release by the Secretary. Total recovery of ALTSC can not exceed 100 KAF annually, due to a limitation defined under Arizona State law.
- 4/ Monthly sum of provisional and verified ALTSCs or IUS credits.
- 5/ Final verified accounting of Accumulated Long-Term Storage Credits from AWBA, confirmed that 66,000 af diverted to storage in December 2002 yielded 61,100 af of ALTSC.
- 6/ Water diverted and banked in Arizona for an entity within Nevada with a current SIRA. This diversion is reported in the Central Arizona Project record.
- 7/ Place holder for water diverted and banked in Arizona for an entity within California with a current SIRA, if in the future a SIRA is developed.
- 8/ Interstate Underground Storage (IUS) credits banked in CAWCD's name and assigned to MWD under CAWCD/MWD agreement of October 15, 1992.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act passed by Congress on November 14, 1986 authorized and appropriated funding for the First Stage (5,000 acre-feet) of the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their present or anticipated needs. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

Currently, the Project consists of two wells (the First Stage) located along the unlined portion of the All-American Canal (AAC) in Imperial County, with a capacity of 5,000 acre-feet. The Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. The existing First Stage wells are in a sand dunes area about 6 miles west of Pilot Knob and pump from an extensive mound of water that was formed by seepage from the AAC. Through a contract with Reclamation, Imperial Irrigation District is responsible for operating and maintaining the well field. The well field began operation on August 1, 2003.

Ground water from the wells is withdrawn and discharged into the AAC at salinity levels less than $879 \text{ mg/l} \pm 30 \text{ mg/l}$ on an average annual flow-weighted basis. Reclamation entered into a contract to supply Project water to the City of Needles, for itself and its subcontractors, in annual amounts up to 3,500 acre-feet of the initial 5,000 acre-feet available. The contract with the City of Needles establishes a framework for the City of Needles to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. Reclamation also entered into a contract to supply Project water to the Bureau of Land Management (BLM) in annual amounts up to 1,150 acre-feet. BLM may divert this water at any of several diversion points on the Colorado River in California between River Miles 50.0 and 198.0.

In 2005 the final 350 acre-feet of the initial 5,000 acre-feet of constructed project capacity was committed for use at Federal facilities or on Federal lands adjacent to the Colorado River in California. The Colorado River Board of California (CRBC) approves each non-Federal applicant for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City of Needles which then offers subcontracts.

Reclamation, the City of Needles, and other interested parties are evaluating the need for constructing the Second Stage, at non-Federal cost, to increase the Project well field capacity up to its authorized level of 10,000 acre-feet.

LOWER COLORADO WATER SUPPLY PROJECT
 SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
 CALENDAR YEAR 2003

		06/15/05	(ACRE-FEET)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER SUPPLY WELLFIELD PUMPAGE	1/	non-Federal	31	39	53	58	70	85	93	90	70	59	42	41	732
		Federal	23	27	38	41	50	60	66	63	50	42	30	29	517
		Total	54	66	91	98	120	146	159	153	120	101	71	70	1249
LCWSP NON-FEDERAL CONTRACTORS	2/														
City of Needles (on its own behalf)		Diversions	20	25	34	37	45	55	60	58	45	38	27	27	471
		Consumptive Use	12	15	21	22	27	33	36	35	27	23	16	16	283
Havasu Water Company of California		Diversions	3	3	4	5	6	7	8	7	6	5	3	3	60
		Consumptive Use	2	2	3	3	3	4	5	4	3	3	2	2	36
Pacific Gas & Electric Company		Diversions	4	5	7	8	10	12	13	12	10	8	6	6	100
		Consumptive Use	4	5	7	8	10	12	13	12	10	8	6	6	100
Southern California Gas Company		Diversions	6	7	9	10	12	15	17	16	13	10	7	7	130
		Consumptive Use	6	7	9	10	12	15	17	16	13	10	7	7	130
Needles Other Subcontractors		Diversions	7	8	11	12	15	18	19	19	15	12	9	9	153
		Consumptive Use	4	5	7	7	9	11	12	11	9	7	5	5	92
Total non-Federal Subcontractors:		Diversions	39	49	67	72	88	107	116	112	88	74	52	51	914
		Consumptive Use	27	34	47	50	62	75	82	78	62	52	37	36	641
Diff: Non-Federal Use and Wellfield Pumping	3/		4	5	7	7	9	11	12	11	9	7	5	5	91
Previous Year Pumpage Balance	4/														
Over Pumpage Carried Over to Following Year	5/		4	5	7	7	9	11	12	11	9	7	5	5	91
Under Pumpage to be Paid Back in Following Year	6/		0	0	0	0	0	0	0	0	0	0	0	0	0
LCWSP FEDERAL CONTRACTOR															
U.S. Bureau of Land Management	7/	Diversions	31	30	34	34	46	57	49	49	49	34	37	29	480
Total of BLM Administered Water		Returns	14	13	15	15	21	25	22	22	22	15	17	13	214
		Consumptive Use	17	16	19	19	26	32	27	27	27	19	21	16	265
U.S. Bureau of Reclamation - Parker Dam and Government Camp		Diversions	8	6	6	4	16	18	24	19	17	18	10	11	156
		Returns	2	2	2	2	10	10	10	10	10	1	1	1	62
		Consumptive Use	6	4	4	2	6	8	14	9	7	16	9	9	94
Difference: Federal Use and Wellfield Pumping	3/		0	6	14	20	19	21	24	27	16	6	0	4	158
Previous Year Pumpage Balance	4/		0	0	0	0	0	0	0	0	0	0	0	0	0
Over Pumpage Carried Over to Following Year	5/		0	6	14	20	19	21	24	27	16	6	0	4	158
Under Pumpage to be Paid Back in Following Year	6/		0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

1/ Non-Colorado River water pumped from the Lower Colorado Water Supply Project (LCWSP) wellfield and delivered into the AAC for use by IID
 Pumpage reported separately for Federal and non-Federal contractors

Note: each subcontractor has a unique unmeasured return factor

2/ LCWSP non-Federal Subcontractors - Colorado River water use exchanged with LCWSP wellfield pumpage

3/ Difference between the consumptive use of Colorado River water diverted and the amount of water pumped by the LCWSP wellfield

4/ Balance from previous year. Over pumpage must be used, under pumpage must be paid back during present accounting year.

5/ Amount by which LCWSP wellfield pumping exceeded Colorado River use by LCWSP contractors. This amount is available to LCWSP contractors the next year.

6/ Amount by which Colorado River water use by LCWSP contractors exceeded LCWSP wellfield pumping.

This amount must be paid back in the form of additional wellfield pumping during the next year.

7/ Portion of the LCWSP allocated to the BLM - Colorado River water use exchanged with LCWSP wellfield pumpage

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division has been further apportioned among the States of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. New and some existing water demands within Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources to augment the limited supply of Colorado River water.

In California, several California water agencies (Imperial Irrigation District, Coachella Valley Water District, and The Metropolitan Water District of Southern California) entered into a Quantification Settlement Agreement (QSA) on October 10, 2003, to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The signatory agencies concurrently entered into a series of supplemental agreements that collectively implement the provisions of the QSA through a variety of methods, which include various water transfers, water exchanges, and water conservation measures.

The QSA will remain in effect for up to 75 years. The Secretary of the Interior (Secretary), in her Record of Decision dated October 10, 2003, signed the Colorado River Water Delivery Agreement. This agreement specifies the Federal actions that are necessary to implement the QSA and establishes the Secretary's approval of the changes in the amount and/or location of the delivery of approximately 400 thousand acre-feet per year of Colorado River water during the term the QSA will be in effect.

Description of Included Tables

The first set of tables on the following pages list transfers authorized within the states of Arizona, Nevada and California. There were no transfers of Colorado River water within Arizona and Nevada during calendar year 2003. Within California, in addition to the transfers required under the QSA, the Coachella Valley Water District (CVWD) entered into an agreement with the Palo Verde Irrigation District for the fallowing of irrigated land in the Palo Verde Valley to permit a reduction in Colorado River Water use by PVID, permitting an equivalent amount of water to be made available to CVWD.

The three pages titled "Transfers and Water Made Available by Extraordinary Conservation" tabulate transfers which occurred in 2003, by state.

The table titled Exhibit B identifies use quantifications and transfers authorized under the QSA. The two page table titled "Tabulation of Net Agriculture and Water Use Approval Amounts after Applying the Colorado River Water Delivery Agreement and LCWSP" tabulates net agricultural use to compare against the Interim Surplus Guidelines (ISG) Benchmark and demonstrates the calculation used to develop water use approvals for IID, CVWD and MWD under the CRWDA. The comparison between net California agriculture is shown on the first page and the calculation for water approvals is shown on the second.

TRANSFERS AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2003
 STATE OF ARIZONA

06/15/05

(ACRE-FEET)

TRANSFER TITLE OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

No transfers reported to USBR

Footnotes:

No footnotes for this calendar year.

TRANSFERS AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2003
 STATE OF NEVADA

06/15/05

(ACRE-FEET)

TRANSFER TITLE OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

No transfers reported to USBR

Footnotes:

No footnotes for this calendar year.

TRANSFERS AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2003
 STATE OF CALIFORNIA

TRANSFER TITLE OR PARTICIPATING AGENCIES	06/15/05	(ACRE-FEET)												TOTAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
WATER CONSERVATION PROGRAM IMPERIAL I. D./METROPOLITAN W. D. CONSERVED WATER	1/	8,761	8,761	8,761	8,761	8,761	8,761	8,761	8,761	8,761	8,761	8,761	8,761	8,759	105,130
LAND FALLOWING IN PVID FOR CVWD	2/	0	0	0	0	0	3,519	11,988	11,336	8,407	2,888	107	2,345	40,590	
IID CONSERVATION FOR EXCHANGE WITH SDCWA	3/	0	0	0	0	0	0	0	0	0	0	0	3,114	3,114	
MWD EXCHANGE WITH SDCWA	4/	0	0	0	0	0	0	0	0	0	0	0	10,000	10,000	

Footnotes:

1/ 1988 IID/MWD Water Conservation Program conserved water made available by Imperial I.D. for diversion in current year by MWD.

Reclamation has made the assumption that the annual amount made available, were made available in equal monthly amounts

2/ June 1, through December 20, 2003 program under which farmers in PVID agreed to fallow land to make water available for CVWD. Tabulation lists the amount of water which was scheduled to be conserved by PVID

3/ The CRWDA specified required conservation by IID for transfer to SDCWA. The 2003 CRWDA schedule called for 10,000af of conservation by IID, however due to the end of year signing of the agreement

only 3,114af were conserved under the Emergency Fallowing Program. MWD actually delivered 10,000af to SDCWA. The amount tabulated here is a USBR value and is under dispute by IID

Amount of water shown as saved by 13-month IID Emergency Fallowing Program is based on assumption that 1/13 of the 38,641af conserved (plus canal loss), was conserved in December 2003

4/ Water required to be conserved by IID for transfer to SDCWA in 2003, and the amount of water actually exchanged by MWD and SDCWA in 2003.

**EXHIBIT B
QUANTIFICATION AND TRANSFERS¹**
In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Calendar Year	Priority 1, 2 and 3b	IID Priority 3a Reductions										CVWD Priority 3a						Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	¹⁷ ISG Benchmarks	¹² Annual Targets		
			³ IID Priority 3a Quantified Amount	³ IID Reduction: MWD 1988 Agreement Transfer	⁴ IID Reduction: SDCWA Transfer	⁴ IID Reduction: AAC Lining IID, SDCWA & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁶ IID Reduction: Transfer with Salton Sea Restoration	⁸ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs	¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	¹¹ IID Total Amount (sum of columns 4 through 11)	CVWD Priority 3a Quantified Amount	⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD	CVWD Net Consumptive Use Amount (columns 14 - 17 plus columns 18 + 19)			
1	2003	420	3,100	110	10	0	5	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740
2	2004	420	3,100	110	20	0	10	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707
3	2005	420	3,100	110	30	0	15	0	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

¹ Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
² Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
³ MWD.
⁴ Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
⁵ Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
⁶ consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.
⁷ MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
⁸ the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.
⁹ Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
¹⁰ For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
¹¹ For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
¹² All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
¹³ Assumes SDCWA does not elect termination in year 35.
¹⁴ Assumes SDCWA and IID mutually consent to renewal term of 30 years.
Notes:
 Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.
 The shaded columns represent amounts of water that may vary.
¹⁵ Water made available to CVWD through voluntary land following within PVID.

Tabulation of Net California Agriculture and Water Use Approval Amounts After Applying the Colorado River Water Delivery Agreement and LCWSF

Comparison of Net California Agricultural Use to the 2003 ISG Benchmark

2003 Use by California Agriculture To Calculate ISG Benchmark Use ¹	Consumptive Use
Palo Verde Irrigation District	379,650
Yuma Project Reservation Division	45,053
YI Pumpers ²	6,959
Priorities 1, 2, 3b	431,662
Coachella Valley Water District	296,808
Imperial Irrigation District	2,978,223
Total Cal Ag	3,706,693
MWD Adjustments for Priority 1, 2, and 3b use	(11,662)
IID, CVWD 2001, 2002 Payback	0
IID and CVWD reductions for PPRs	14,500
2003 Use by California Agriculture (net Cal. Ag.)	3,709,531

MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG benchmark.

ISG Benchmark Comparison	
2003 ISG Benchmark	3,740,000
2003 Use by California Agriculture (net Cal. Ag.)	3,709,531
Total Benchmark Underrun	30,469

Priority 1, 2, and 3b Use Below or (Above) 420,000 AF

Palo Verde Irrigation District	379,650
Yuma Project Reservation Division	45,053
Yuma Island	6,959
MWD Adjustments for Priority 1, 2, and 3b use	(11,662)

Calculation of Final 2003 Water Approval Amounts Using The Colorado River Water Delivery Agreement and LCWSP

	Exhibit B Column No	Conservation or Transfer Obligations	
Imperial Irrigation District			
Priority 3a Use Cap	3	3,100,000	
IID-MWD Water Conservation Agreement (198)	4	(105,130)	
Transfer to SDCWA	5	(10,000)	
Salinity management water	7	0	5000af obligation approved for carry over to 2004.
Indian and Misc. PPRs	11	(11,500)	
Inflow from LCWSP		(910)	Colorado River CU reduced for water pumped from the LCWSP Wellfield.
Approved IID Use ³		2,972,460	Water Approval by letter of 11/03/03 from USBR Regional Director to IID.
Adjustment for actual pumping of the LCWSP		339	Actual pumpage from the LCWSP wellfield was 1,249 in 2003.
Final approval amount		2,972,121	Based on actual, end of year conditions.
Coachella Valley Water District			
Priority 3a Use Cap	14	330,000	
Indian and Misc. PPRs	16	(3,000)	
IID-MWD Water Conservation Agreement (198)	19	20,000	CVWD did not use this amount in 2003, it became available to MWD.
Approved CVWD Use ³		347,000	Water Approval by letter of 11/03/03 from USBR Regional Director to CVWD.
Actual CVWD Use		296,808	
Total CVWD Underuse		50,192	This amount becomes available to lower priority users
Metropolitan Water District			
Priority 4 Use Cap		550,000	
IID-MWD Water Conservation Agreement (198)	4	105,130	
CVWD-MWD QSA transfer	4	(20,000)	CVWD did not use this amount in 2003, it became available to MWD.
IID Transfer to SDCWA	5	10,000	
Indian and Misc. PPRs		(2,758)	
Adjustments for Priority 1, 2, and 3b use		(11,662)	
Unused priority 3a, plus unused transfer water ⁴		50,192	
Approved MWD Use ³		680,902	Based on actual, end of year conditions.

General note: The above figures are based on Exhibit B of the Colorado River Water Delivery Agreement, executed on October 10, 2003 and the Lower Colorado Water Supply Project (LCWSP).

Footnotes:

- 1) Interim Surplus Guidelines (ISG) Benchmark. During benchmark years, the benchmark amount is compared to net California agricultural use. Footnote 12 of Exhibit C (shown on previous page) defines net California agricultural use as all consumptive use of priorities 1 through 3 plus 14,500 af of PPR use.
- 2) Incorporation of Yuma Island Pumper's use within Priority 2 does not represent either a final approval of this use by Reclamation or a final appropriate Decree accounting for this use; and is not an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.
- 3) Calculated approval of consumptive use amounts following execution of the Colorado River Water Delivery Agreement (CRWDA) on Oct. 10, 2003. IID and CVWD approvals are based on the conservation and transfer obligations outlined in Exhibit B of the CRWDA. The IID-MWD Agreement is a variable amount determined each year, CVWD may take 20kaf of this amount each year. MWD approvals are based on the above plus conditions existing at the time of approval, including forecast use by senior users and projected savings from conservation.
- 4) 12,077 af of this amount would be available to CVWD in 2007 and 12,077 af of this amount would be available to CVWD in 2008 (sum 24,154) by MWD forbearance pursuant to 12/23/03 letter agreement sent to CVWD for acceptance and agreement.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2003

These documents are provided to give the reader an opportunity to read the agreements, regulations and operating plans which directed the U.S. Bureau of Reclamation in the delivery of Colorado River Water during 2003.

The document titles contained in the following list are located on a compact disk (CD) in the pocket provided on the back cover of this report. These electronically filed documents are in Adobe (PDF) format. Following each title below is a brief description of each document's contents and a file name where that document may be found on the CD. The file names are printed exactly as they appear on the CD however, due to the large file size of some reports, the CD may contain only the summary. The acronyms used below are defined in the Acronyms and Abbreviated Terms at the beginning of this report. Those seeking additional information are encouraged to log on to the following website where the entire file(s) can be viewed and the complete PDF file can be downloaded:
www.usbr.gov/lc/region/g4000/wtracct.html.

Reports:

The 2003 Annual Operating Plan (AOP) Executive Summary

- Outlines the criteria under which the Colorado River will be operated during CY 2003 given current and anticipated conditions e.g. surplus, normal or shortage.
- CD file name: 2003AOP_Executive_summary

Agreements:

The Colorado River Water Delivery Agreement: Federal Quantification Settlement Agreement (QSA)

- Water delivery agreement between the United States, IID, CVWD, MWD and SDCWA. This agreement quantifies the consumptive use allowances for the aforementioned water users. The document also addresses terms and condition of water deliveries.
- CD file name: CRWDA_10-20-03

The Storage and Interstate Release Agreement (SIRA)

- Water Banking Agreement between AWBA, SNWA and the CRC of NV. This agreement allows SNWA to acquire long-term water storage credits that are to be held by agreement with AWBA. These credits can be exchanged at a latter date with Colorado River water made available when users in Arizona develop ICUA.
- CD file name: Storage_interstate_release_agreement

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2003 (cont.)**

Letters:

SNWA and CRCN to Reclamation, dated May 19, 2003. Request to update the Las Vegas Wash return flow methodology

- CD file name: LV_return_flow_methodology

Reclamation to SNWA and CRCN, dated July 29, 2003. Approval of updated Las Vegas Wash Return Flow Methodology

- CD file name: LV_methodology7-29-03

Secretary of the Interior to Regional Director, dated December 12, 2002. Assigns the Regional Director's water schedule approval authority to the Assistant Secretary for Water and Science

- CD file name: Reassigning_of_authority12-27-02

CVWD to Reclamation, dated June 16, 2003. Request for Declaration of Hardship Conditions. Granting this request would allow for the delivery of water normally assigned to PVID to be delivered to CVWD in accordance with a fallowing agreement between PVID and CVWD.

- CD file name: Request_for_hardship_conditions6-16-03

CVWD to Reclamation, dated November 14, 2003. Request that unused PVID to CVWD transfer water be transferred to MWD.

- CD file name: 2003CVWD_MWD_request11-14-03

MWD to Reclamation, dated November 18, 2003 Revision of 2003 water order and request for Nevada and Arizona's unused 2003 water apportionment.

- CD file name: 2003revision_unused_apportionment11-18-03

Memo for record:

City of Needles, California, dated May 6, 2005. Accounting for water use by the City of Needles, CA

- CD File name: City_of_Needles_acctg 5-6-05

Maps:

Maps indicating the location of wells and river pumps along the Colorado River. The maps are an aid to find where a diverter is drawing water from the river.

- CD File name: GS PUMP MAPS 03

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2004



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2004

Prepared by

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

July 2006

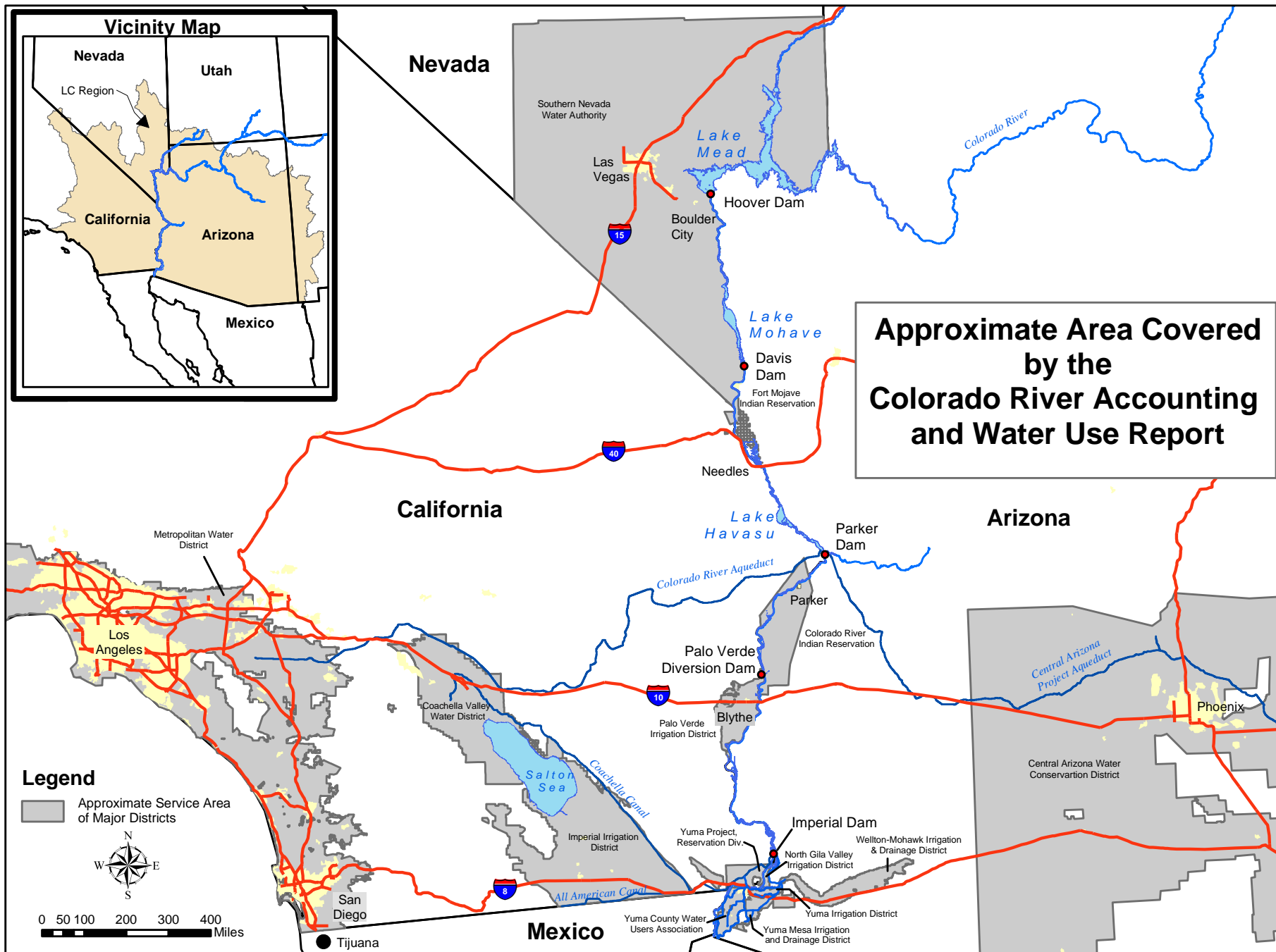


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Acronyms and Abbreviated Terms

These acronyms and abbreviations will be found in the text, footnotes, and headings within this document.

AAC	All-American Canal	FYIR	Fort Yuma Indian Reservation
af	acre-feet, unit of water measurement	GGMC	Gila Gravity Main Canal
ADP	Arizona diesel pump	ICUA	intentionally created unused apportionment
ADW	Arizona diesel well	I.D.D.	irrigation and drainage district
AEP	Arizona electric pump	IBWC	International Boundary and Water Commission
AEW	Arizona electric well	IID	Imperial Irrigation District
ALTSC	accumulated long term storage credit	IOPP	Inadvertent Overrun and Payback Policy
AOP	Annual Operating Plan	ISG	Colorado River Interim Surplus Guidelines
APS	Arizona Public Service	IUS	Interstate Underground Storage credits
ASLD	Arizona State Land Department	kaf	Kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning of year	LLC	Limited Liability Company
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CDP	California diesel pump	MWD	Metropolitan Water District of Southern California
CDW	California diesel well	MOD	Main Outlet Drain
CDEW	California diesel electric well	MODE	Main Outlet Drain Extension
CEP	California electric pump	MEAS.	Measured (as in Measured Returns)
CEW	California electric well	M&I	municipal and industrial
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CRBC	Colorado River Board of California	PG & E	Pacific Gas and Electric Company
CRCN	Colorado River Commission of Nevada	PVID	Palo Verde Irrigation District
CRIT	Colorado River Indian Tribes	PWR	Power
CRWDA	Colorado River Water Delivery Agreement	QSA	Quantification Settlement Agreement
CU	consumptive use	SCE	Southern California Edison Company
CVWD	Coachella Valley Water District	SIRA	Storage and Interstate Release Agreement
CY	calendar year	SDCWA	San Diego County Water Authority
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	S.S.	Salton Sea
DPOC	drainage pump outlet channel	USBR	United States Bureau of Reclamation
ET	evapotranspiration	USGS	United States Geological Survey
EOY	end of year	UNMEAS.	unmeasured (as in unmeasured returns)
FEIS	Final Environmental Impact Statement	YAO	Yuma Area Office (USBR)
Ftns	Footnotes (used as a column heading)	YFO	Yuma Field Office (BLM)

S U M M A R Y
CONSUMPTIVE USE BY STATE, RESERVOIR CONTENTS, LCWSP AND SIRA
CALENDAR YEAR 2004

		7/21/06												(ACRE-FEET)			
		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/		
LOWER BASIN STATES WATER USE SUMMARY																	
ARIZONA			222,780	231,587	294,267	311,500	335,803	299,551	251,683	167,675	178,551	84,237	196,553	210,458	2,784,645		
CALIFORNIA			221,166	237,242	392,360	450,334	501,285	489,702	484,423	434,337	354,259	271,190	254,317	225,570	4,316,185		
NEVADA			16,204	10,098	20,020	21,515	38,365	33,933	33,865	31,495	27,730	23,593	10,474	15,714	283,006		
TOTAL CONSUMPTIVE USE, LOWER BASIN STATES			460,150	478,927	706,647	783,349	875,453	823,186	769,971	633,507	560,540	379,020	461,344	451,742	7,383,836		
MEXICO IN SATISFACTION OF TREATY			128,113	158,443	199,768	197,528	108,570	109,271	119,426	97,713	89,308	73,669	98,764	119,427	1,500,000		
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC			8,585	8,688	8,889	7,601	8,215	8,914	6,322	7,422	8,200	8,684	9,878	9,364	100,762		
WATER PASSING TO MEXICO IN EXCESS OF TREATY			555	10,201	2,282	14,800	3,505	374	1,116	563	5,139	38,712	6,221	9,674	93,142		
DELIVERIES TO MEXICO & CU BY LOWER BASIN STATES		2/	597,403	656,259	917,586	1,003,278	995,743	941,745	896,835	739,205	663,187	500,085	576,207	590,207	9,077,740		
LCWSP PUMPING		3/	NON-FEDERAL		0	163	178	124	181	19	0	77	0	0	742		
			FEDERAL		0	114	124	86	126	13	0	54	0	0	517		
			TOTAL		0	277	302	210	307	32	0	131	0	0	1,259		
WATER STORED IN AZ FOR THE BENEFIT OF NV & CA		4/	B.O.Y.														
			NEVADA		111,098	0	0	0	0	0	0	0	0	0	14,162	125,260	
			CALIFORNIA		89,000	0	0	0	0	0	0	0	0	0	0	89,000	
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV		5/	NEVADA		0	0	0	0	0	0	0	0	0	0	10,000	10,000	
RESERVOIR CONTENTS (Thousand Acre-Feet)			DEC 2003		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
LOWER BASIN TOTAL STORAGE		6/	17,406	17,568	17,676	17,468	17,105	16,636	16,325	16,226	16,297	16,131	16,215	16,455	16,548	16,548	-858
TOTAL SYSTEM STORAGE		7/	32,912	32,545	32,197	31,778	31,572	31,663	31,508	30,877	30,183	29,837	29,897	29,918	29,791	29,791	-3,121

Note to Reader: each section of this report and each division within a section, has its own sequence of footnotes.

Footnotes:

1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

2/ Sum of Total Consumptive Use in the Lower Basin, Deliveries to Mexico in Satisfaction of Treaty, Bypass Pursuant to IBWC Minute No. 242 and Excess Deliveries to Mexico.

3/ Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.

4/ Final verified total of Accumulated Long-Term Storage Credits reported by Arizona Water Banking Authority.

5/ In 2004 MWD, SNWA and the Secretary of the Interior entered into a Storage and Interstate Release Agreement to allow MWD to divert and store water for the benefit of SNWA.

6/ Sum of End of Month storage in Lakes Mead, Mohave and Havasu (Lower Basin).

7/ Total end-of-month system storage, includes USBR reservoirs in Upper and Lower basins of the Colorado River.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM IN THE UPPER AND LOWER BASINS
CALENDAR YEAR 2004

	(THOUSAND ACRE-FEET)												DEC	CY CHANGE	
	07/21/06	DEC 2003	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT			NOV
	Ftnts														1/2/
END OF MONTH ACTIVE STORAGE:															
LAKE POWELL		11,487	10,984	10,537	10,180	10,193	10,566	10,476	9,914	9,278	9,169	9,148	8,889	8,664	-2,823
PERCENTAGE OF POWELL ACTIVE STORAGE	3/	47.2%	45.2%	43.3%	41.9%	41.9%	43.4%	43.1%	40.8%	38.1%	37.7%	37.6%	36.5%	35.6%	
LAKE MEAD		15,300	15,434	15,404	15,255	14,866	14,324	14,042	13,924	14,018	13,937	14,094	14,367	14,355	-945
LAKE MOHAVE		1,590	1,623	1,716	1,677	1,680	1,729	1,696	1,707	1,704	1,605	1,509	1,512	1,633	43
LAKE HAVASU		516	511	557	536	558	583	587	595	574	589	611	576	560	44
STORAGE IN LOWER BASIN	4/	17,406	17,568	17,676	17,468	17,105	16,636	16,325	16,226	16,297	16,131	16,215	16,455	16,548	-858
PERCENTAGE OF COLO. RIVER ACTIVE STORAGE IN THE LOWER BASIN	5/	61.5%	62.1%	62.4%	61.7%	60.4%	58.8%	57.7%	57.3%	57.6%	57.0%	57.3%	58.1%	58.5%	
LOWER BASIN STORAGE PLUS LAKE POWELL	6/	28,893	28,552	28,213	27,648	27,298	27,202	26,801	26,140	25,575	25,300	25,363	25,344	25,212	-3,681
PERCENTAGE OF ACTIVE STORAGE	7/	54.9%	54.3%	53.6%	52.5%	51.9%	51.7%	50.9%	49.7%	48.6%	48.1%	48.2%	48.2%	47.9%	
TOTAL SYSTEM STORAGE	8/	32,912	32,545	32,197	31,778	31,572	31,663	31,508	30,877	30,183	29,837	29,897	29,918	29,791	-3,121
PERCENTAGE OF TOTAL SYSTEM STORAGE	9/	55.4%	54.8%	54.2%	53.5%	53.2%	53.3%	53.1%	52.0%	50.8%	50.2%	50.3%	50.4%	50.2%	

Footnotes:

- 1/ Values may differ from figures shown due to rounding and display to the nearest thousand acre feet.
- 2/ Calendar Year change is the difference in end of month storage between December of the previous year and December of the reporting year.
 A positive value represents an increase in water in storage, and a negative value indicates a decrease in water in storage.
- 3/ Percentage of total active storage capacity available in Lake Powell. Based on total active storage of 24,322,000 af
- 4/ The sum of end-of-month storage in Lakes Mead, Mohave and Havasu.
- 5/ The percentage of total active storage capacity available in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on total active storage of 28,306,000 af
- 6/ The sum of end-of-month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
- 7/ The percentage of total active storage capacity available in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active storage of 52,628,000 af
- 8/ Total end-of-month system storage, includes USBR reservoirs in Upper and Lower basins of the Colorado River.
- 9/ The percentage of total end-of-month system storage. This includes Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active system storage of 59,383,000 af
 For purposes of this tabulation, the term "active storage" is equivalent to live storage, and refers to the volume of water that can be delivered downstream via gravity flow.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

ARTICLE V OF THE DECREE

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE DECREE
OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

The following tabulation for calendar year 2004 shows the final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams, the records are furnished by the U.S. Geological Survey based on measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Divisions for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

CALENDAR YEAR 2004

STRUCTURE	07/21/06 Ftns	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GLEN CANYON DAM		788,700	742,600	805,200	648,200	596,100	801,800	900,500	895,900	483,500	493,400	716,100	599,400	8,471,400
HOOVER DAM		633,200	805,700	945,700	1,049,000	1,124,000	994,600	952,400	763,800	567,800	364,700	501,600	642,200	9,344,700
DAVIS DAM		671,900	787,300	1,063,000	1,131,000	1,142,000	1,092,000	1,002,000	818,200	716,600	495,100	499,000	495,300	9,913,400
PARKER DAM		340,400	410,100	708,500	763,100	753,400	758,100	758,200	702,200	569,200	455,300	307,200	253,900	6,779,600
HEADGATE ROCK DAM	1/	316,230	378,840	658,840	704,910	683,260	681,830	682,210	629,260	517,660	420,850	299,160	234,790	6,207,840
PALO VERDE DAM		273,300	314,100	561,600	602,900	560,700	536,700	529,400	464,200	405,000	370,600	258,700	202,800	5,080,000
IMPERIAL DAM	2/	22,170	32,690	30,860	46,240	28,840	27,890	23,950	31,690	33,600	48,060	31,200	23,930	381,120
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		875	863	922	833	742	790	897	799	714	799	536	624	9,394
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		23,045	33,553	31,782	47,073	29,582	28,680	24,847	32,489	34,314	48,859	31,736	24,554	390,514
LAGUNA DAM		27,430	37,780	45,010	59,510	32,450	34,290	27,450	36,700	35,480	45,740	34,120	25,470	441,430

Footnotes:

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

2/ Represents flow below Imperial Dam, does not include diversions through the All American Canal (AAC) and the Gila Gravity Main Canal (GGMC).

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V (B) OF THE DECREE
OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL.
DATED MARCH 9, 1964**

The following tabulations for calendar year 2004 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each State. The records were furnished by the U.S. Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation (Reclamation), National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each State. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream and consumptive use are also listed for points of diversion and return when that information is available.

The second tabulation for each State, titled "Supplemental Use Tabulation," shows quantities of water pumped from the

mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For USGS reported wells and pumps, the diversions were determined as follows: (1) for most electric pumps, diversions were computed on an annual basis from power records and a "kilowatt-hour per acre-foot pumped factor" determined by discharge measurement; (2) for pumps without flow meters or where power records are not available, a consumptive use factor of 6.25 acre-feet per irrigated acre of land per year was used.

Unmeasured returns have been computed by multiplying measured diversions by a return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records referenced in Article V of the Decree of the Supreme Court in Arizona v. California et al. The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice any error or omission, please report it to the contact person listed on the cover page.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF ARIZONA

7/21/06

(ACRE-FEET)

WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	3	4	6	4	9	2	7	11	10	8	3	2	69
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	3	4	6	4	9	2	7	11	10	8	3	2	69
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION	10	8	14	18	20	26	31	24	24	16	11	11	213
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	10	8	14	18	20	26	31	24	24	16	11	11	213
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	4	3	3	4	5	5	4	5	3	3	3	4	46
	MEAS. RETURNS	4	3	3	4	5	5	4	5	3	3	3	4	46
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	626	587	720	735	874	1,026	985	834	943	832	680	652	9,494
DIV. AT DAVIS DAM, MOHAVE COUNTY PARKS	DIVERSION	3	3	6	6	8	8	10	10	9	8	5	5	81
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	208	195	240	245	291	341	328	279	314	277	226	217	3,161
	CONSUMPTIVE USE	421	395	486	496	591	693	667	565	638	563	459	440	6,414
MOHAVE WATER CONSERVATION DIST. PUMPED FROM WELLS	DIVERSION	63	51	55	66	67	68	83	90	86	66	54	67	816
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	21	17	18	22	22	22	27	30	28	22	18	22	269
	CONSUMPTIVE USE	42	34	37	44	45	46	56	60	58	44	36	45	547
BROOKE WATER LLC PUMPED FROM RIVER	DIVERSION	31	29	34	35	42	43	46	47	40	35	28	27	437
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	10	10	11	12	14	14	15	16	13	12	9	9	145
	CONSUMPTIVE USE	21	19	23	23	28	29	31	31	27	23	19	18	292
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS	DIVERSION	1,910	1,539	3,198	4,099	4,184	5,130	5,023	4,079	3,220	1,758	644	1,080	35,864
PUMPED FROM TOPOCK MARSH INLET	DIVERSION	58	13	143	122	210	210	131	0	20	0	0	0	907
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	905	714	1,537	1,942	2,021	2,456	2,371	1,876	1,490	809	296	497	16,914
	CONSUMPTIVE USE	1,063	838	1,804	2,279	2,373	2,884	2,783	2,203	1,750	949	348	583	19,857
FORT MOJAVE INDIAN RESERVATION 14 PUMPS AND WELLS IN FLOOD PLAIN AND DELIVERED BY THE CITY OF NEEDLES CA.	2/ DIVERSION	2,951	3,683	5,031	5,431	6,641	8,057	8,790	8,458	6,648	5,570	3,953	3,890	69,103
	DIVERSION	0	0	0	2	0	1	2	0	0	0	1	0	6
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	1,357	1,694	2,314	2,498	3,055	3,706	4,043	3,891	3,058	2,562	1,818	1,789	31,785
	CONSUMPTIVE USE	1,594	1,989	2,717	2,935	3,586	4,352	4,749	4,567	3,590	3,008	2,136	2,101	37,324
GOLDEN SHORES WATER CONSERVATION DIST. PUMPED FROM WELLS	3/ DIVERSION	21	26	36	39	48	58	63	61	48	40	28	28	496
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	7	9	12	13	16	19	21	20	16	13	9	9	164
	CONSUMPTIVE USE	14	17	24	26	32	39	42	41	32	27	19	19	332
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK MARSH INLET	4/ DIVERSION	1,020	2,150	6,499	6,796	6,771	6,400	5,209	3,800	3,930	2,560	2,040	2,230	49,405
PUMPED BY ONE WELL IN THE FLOODPLAIN	3/ DIVERSION	9	11	15	17	20	25	27	26	20	17	12	12	211
	MEAS. RETURNS	0	0	0	0	1,900	569	0	0	0	0	0	0	2,469
	UNMEAS. RETURNS	906	1,902	5,732	5,995	4,304	5,153	4,608	3,367	3,476	2,268	1,806	1,973	41,490
	CONSUMPTIVE USE	123	259	782	818	587	703	628	459	474	309	246	269	5,657

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF ARIZONA

7/21/06

(ACRE-FEET)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE HAVASU I.D.D. (CITY)														
DISTRICT PUMPED FROM WELLS														
	DIVERSION	1,010	957	1,154	1,322	1,534	1,635	1,734	1,659	1,295	3,639	894	1,082	17,915
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	384	364	439	502	583	621	659	630	492	1,383	340	411	6,808
	CONSUMPTIVE USE	626	593	715	820	951	1,014	1,075	1,029	803	2,256	554	671	11,107
CENTRAL ARIZONA PROJECT														
PUMPED FROM LAKE HAVASU														
WATER DIVERTED TO STORAGE FOR SNWA														
	DIVERSION	188,167	174,762	185,868	181,151	188,308	165,160	104,043	45,459	70,005	3,447	170,759	173,940	1,651,069
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	15,258	15,258
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	188,167	174,762	185,868	181,151	188,308	165,160	104,043	45,459	70,005	3,447	170,759	189,198	1,666,327
TOWN OF PARKER														
PUMPED FROM 1 MUNICIPAL WELL	5/													
	DIVERSION	53	52	65	69	97	102	106	103	83	67	45	43	885
	MEAS. RETURNS	26	24	26	25	25	24	25	26	24	24	24	24	297
	UNMEAS. RETURNS	15	15	19	20	28	29	30	29	24	19	13	12	253
	CONSUMPTIVE USE	12	13	20	24	44	49	51	48	35	24	8	7	335
COLORADO RIVER INDIAN RESERVATION														
DIVERSION AT HEADGATE ROCK DAM														
2 PUMPS & TOWN OF PARKER DELIVERY	6/													
	DIVERSION	24,170	31,260	49,660	58,190	70,140	76,270	75,990	72,940	51,540	34,450	8,040	19,110	571,760
	DIVERSION	343	705	427	881	1,161	1,573	1,807	2,039	1,888	1,715	882	353	13,774
	MEAS. RETURNS	13,144	14,906	16,784	19,285	21,655	23,266	23,475	23,784	20,126	20,436	14,536	14,336	225,733
	UNMEAS. RETURNS	1,348	1,758	2,755	3,249	3,922	4,281	4,279	4,124	2,939	1,989	491	1,070	32,205
	CONSUMPTIVE USE	10,021	15,301	30,548	36,537	45,724	50,296	50,043	47,071	30,363	13,740	-6,105	4,057	327,596
EHRENBURG IMPROVEMENT ASSN.														
	DIVERSION	36	31	42	47	52	56	60	53	56	43	27	26	529
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	10	9	12	13	15	16	17	15	16	12	8	7	150
	CONSUMPTIVE USE	26	22	30	34	37	40	43	38	40	31	19	19	379
CIBOLA VALLEY IRRIGATION DISTRICT														
PUMPED FROM 3 PUMPS														
	DIVERSION	83	1,612	1,534	1,951	3,018	3,942	4,054	4,743	2,539	2,325	670	599	27,070
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	24	459	437	556	860	1,123	1,155	1,352	724	663	191	171	7,715
	CONSUMPTIVE USE	59	1,153	1,097	1,395	2,158	2,819	2,899	3,391	1,815	1,662	479	428	19,355
CIBOLA NATIONAL WILDLIFE REFUGE														
PUMPED FROM 3 PUMPS														
	DIVERSION	447	249	405	962	1,012	898	959	1,155	1,552	1,624	1,134	866	11,263
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	170	95	154	366	385	341	364	439	590	617	431	329	4,281
	CONSUMPTIVE USE	277	154	251	596	627	557	595	716	962	1,007	703	537	6,982
IMPERIAL NATIONAL WILDLIFE REFUGE														
PUMPED FROM 4 PUMPS/WELLS	3/													
	DIVERSION	117	106	175	233	172	372	322	361	245	103	80	125	2,411
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	44	40	67	89	65	141	122	137	93	39	30	48	915
	CONSUMPTIVE USE	73	66	108	144	107	231	200	224	152	64	50	77	1,496
YUMA PROVING GROUND														
DIVERSION AT IMPERIAL DAM														
WELLS W, X, Y, Z	3/													
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERSION	16	12	19	52	81	82	99	107	95	17	18	18	616
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	16	12	19	52	81	82	99	107	95	17	18	18	616
GILA MONSTER FARMS														
DIVERSION AT IMPERIAL DAM														
*Use from ASLD lease has been deducted.														
	DIVERSION *	539	624	1,100	1,205	1,426	1,723	1,343	534	647	874	314	348	10,677
	MEAS. RETURNS	63	23	115	112	23	369	28	7	24	46	40	7	857
	UNMEAS. RETURNS	205	237	418	458	542	655	510	203	246	332	119	132	4,057
	CONSUMPTIVE USE	271	364	567	635	861	699	805	324	377	496	155	209	5,763

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF ARIZONA

		7/21/06	(ACRE-FEET)											
WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
WELLTON MOHAWK I.D.D.														
DIVERSION AT IMPERIAL DAM		17,555	23,240	40,995	44,714	45,231	60,277	45,469	36,311	38,711	29,062	14,247	11,887	407,699
		2,262	939	4,758	4,625	818	14,142	1,074	572	1,599	1,721	2,008	279	34,797
		1,367	1,377	1,646	840	335	631	316	235	296	649	1,099	1,626	10,417
	7/	8,800	8,840	9,720	8,640	9,160	9,730	6,560	8,400	8,662	8,810	9,080	9,509	105,911
		12,429	11,156	16,124	14,105	10,313	24,503	7,950	9,207	10,557	11,180	12,187	11,414	151,125
		0	0	0	0	0	0	0	0	0	0	0	0	0
		5,126	12,084	24,871	30,609	34,918	35,774	37,519	27,104	28,154	17,882	2,060	473	256,574
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)		2,269	1,849	2,207	2,049	2,445	2,707	3,031	3,067	2,982	2,446	1,918	1,836	28,806
DIVERSION AT IMPERIAL DAM (GILA)		42	37	40	39	42	43	66	30	0	0	0	0	339
		961	876	813	715	751	810	490	857	1,019	966	819	938	10,015
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1,350	1,010	1,434	1,373	1,736	1,940	2,607	2,240	1,963	1,480	1,099	898	19,130
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM		75	82	141	171	207	224	244	228	229	173	155	142	2,071
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		75	82	141	171	207	224	244	228	229	173	155	142	2,071
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM		4	4	4	4	4	4	4	4	4	4	4	4	48
		0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	24
		2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSN.														
DIVERSION AT IMPERIAL DAM		1	1	1	1	1	1	1	1	1	1	1	1	12
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	12
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM (WARREN ACT)		26	36	47	28	67	69	69	116	115	54	81	27	735
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		26	36	47	28	67	69	69	116	115	54	81	27	735
YUMA UNION HIGH SCHOOL														
DIVERSION AT IMPERIAL DAM		15	7	13	14	22	27	29	25	25	10	4	1	192
		0	0	0	0	0	0	0	0	0	0	0	0	0
		4	2	3	4	6	7	7	6	6	3	1	0	49
		11	5	10	10	16	20	22	19	19	7	3	1	143
CAMILLE, ALEC. JR.														
DIVERSION AT IMPERIAL DAM (WARREN ACT)		0	0	7	5	6	10	3	5	0	2	0	0	38
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	2	1	2	3	1	1	0	1	0	0	11
		0	0	5	4	4	7	2	4	0	1	0	0	27
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM		3	2	9	12	16	13	13	5	7	8	2	0	90
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	3	4	5	4	4	2	2	2	1	0	29
		2	1	6	8	11	9	9	3	5	6	1	0	61
NORTH GILA VALLEY IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	8/	2,174	2,388	4,030	4,775	5,454	6,546	4,153	2,427	3,594	3,633	2,790	1,829	43,793
		1,581	1,554	2,498	2,819	2,882	4,256	2,347	1,660	2,334	2,403	2,004	1,282	27,620
		298	327	552	654	747	897	569	332	492	498	382	251	5,999
		295	507	980	1,302	1,825	1,393	1,237	435	768	732	404	296	10,174

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF ARIZONA

		7/21/06	(ACRE-FEET)												
WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
YUMA IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	4,022	3,912	6,858	8,945	7,483	8,730	5,218	3,611	5,787	5,408	4,426	2,086	66,486
PUMPED FROM PRIVATE WELLS	9/	DIVERSION	74	86	193	268	209	253	229	180	251	138	151	110	2,142
		MEAS. RETURNS	1,378	910	2,259	2,738	1,619	4,064	1,096	790	1,385	1,402	1,661	579	19,881
PUMPED FROM WELLS	9/	MEAS. RETURNS	165	206	281	304	371	450	491	473	372	311	221	217	3,862
		UNMEAS. RETURNS	872	852	1,502	1,962	1,638	1,913	1,160	807	1,286	1,181	975	468	14,616
		CONSUMPTIVE USE	1,681	2,030	3,009	4,209	4,064	2,556	2,700	1,721	2,995	2,652	1,720	932	30,269
YUMA MESA I. D. D.															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	7,388	7,645	15,943	20,850	21,399	8,811	24,766	23,939	21,106	12,350	10,668	5,815	180,680
		MEAS. RETURNS	3,170	2,222	5,313	6,419	3,927	5,195	5,320	5,421	6,266	3,869	5,963	5,046	58,131
		UNMEAS. RETURNS	1,182	1,223	2,551	3,336	3,424	1,410	3,963	3,830	3,377	1,976	1,707	930	28,909
		CONSUMPTIVE USE	3,036	4,200	8,079	11,095	14,048	2,206	15,483	14,688	11,463	6,505	2,998	-161	93,640
UNIT "B" I. D. D.															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	904	991	1,839	1,969	2,576	3,150	3,067	2,831	2,621	1,546	1,197	1,027	23,718
	8/	MEAS. RETURNS	518	351	746	791	667	724	891	931	1,047	639	989	1,112	9,406
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	386	640	1,093	1,178	1,909	2,426	2,176	1,900	1,574	907	208	-85	14,312
YUMA COUNTY WATER USERS ASSOCIATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	18,133	23,005	37,540	40,770	40,750	29,978	25,602	18,387	26,277	38,667	29,340	17,680	346,129
PUMPED FROM WELLS		DIVERSION	109	109	108	109	108	55	92	160	212	240	209	109	1,620
		MEAS. RETURNS	10,947	8,935	8,883	8,476	11,403	9,072	7,760	8,225	8,737	14,002	12,338	9,359	118,137
		UNMEAS. RETURNS	383	485	791	858	858	631	540	389	556	817	621	374	7,303
		CONSUMPTIVE USE	6,912	13,694	27,974	31,545	28,597	20,330	17,394	9,933	17,196	24,088	16,590	8,056	222,309
COCOPA INDIAN RESERVATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	51	90	274	138	211	543	938	518	660	397	41	0	3,861
PUMPED FROM WELLS, NORTH COCOPA	10/	DIVERSION	0	0	1	0	1	1	3	4	5	2	0	0	17
		MEAS. RETURNS	1	2	1	1	4	12	13	15	17	15	2	0	83
		UNMEAS. RETURNS	0	0	0	0	0	0	1	1	2	1	0	0	5
		CONSUMPTIVE USE	50	88	274	137	208	532	927	506	646	383	39	0	3,790
YUMA AREA OFFICE, USBR															
DIVERSION FROM RIVER AND M.O.D.E.	3/	DIVERSION	93	84	108	102	109	104	94	108	104	111	103	106	1,226
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	93	84	108	102	109	104	94	108	104	111	103	106	1,226
PUMPED FROM SOUTH GILA WELLS (DPOC'S)															
	11/	MEAS. RETURNS	5,530	5,800	6,020	5,980	6,450	5,210	6,280	5,885	5,230	6,371	5,347	6,700	70,803
		UNMEAS. ABOVE	-5,530	-5,800	-6,020	-5,980	-6,450	-5,210	-6,280	-5,885	-5,230	-6,371	-5,347	-6,700	-70,803
OTHER USERS PUMPING FROM COLORADO															
RIVER AND WELLS IN FLOOD PLAIN	12/	DIVERSION	1,377	1,723	1,720	2,608	2,941	3,442	3,617	3,537	3,180	2,403	1,804	1,633	29,985
Itemized listing begins on p.12		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	482	603	603	913	1,029	1,205	1,267	1,238	1,113	841	632	572	10,498
		CONSUMPTIVE USE	895	1,120	1,117	1,695	1,912	2,237	2,350	2,299	2,067	1,562	1,172	1,061	19,487
ARIZONA TOTALS															
		DIVERSION	276,005	283,768	368,287	391,008	415,182	397,860	327,636	242,092	250,817	155,872	257,466	264,069	3,630,062
		MEAS. RETURNS	49,917	46,968	59,866	61,774	61,995	78,529	56,170	57,286	57,141	61,667	56,134	51,018	698,465
		UNMEAS. RETURNS	3,308	5,213	14,154	17,734	17,384	19,780	19,783	17,131	15,125	9,968	4,779	2,593	146,952
		CONSUMPTIVE USE	222,780	231,587	294,267	311,500	335,803	299,551	251,683	167,675	178,551	84,237	196,553	210,458	2,784,645

Note: The term 'CONSUMPTIVE USE' in this tabulation means diversions including groundwater pumping, less measured return flow and less current estimated unmeasured return flow to the river.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF ARIZONA

7/21/06

(ACRE-FEET)

WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
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Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Monthly diversion amounts are provided by the user.
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Havasu NWR diversion amounts have been adjusted downward for diversions out of the inlet channel by Mohave Valley Irrigation and Drainage District (Chesney) and Fort Mojave Indian Reservation.
- 5/ Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- 6/ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions estimated by multiplying CRIT's portion of measured effluent by using the Town of Parker's diversion:effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- 7/ Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.
- 8/ This is the summation for the Yuma Mesa Division of the Gila Project, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District and the Yuma Mesa Irrigation & Drainage District:

Item	Annual Totals (Acre-Feet)
Diversion at Imperial Dam A/	290,959
Pumped from wells	2,142
Surface returns from South Gila Valley (S. Gila Canal Wasteway)	2,889
Return flow from North Gila Valley (4 drains & wasteways)	8,595
Return flow from South Gila Valley wells plus Yuma Mesa Division Unmeasured Return	53,386
Return flow from Yuma Mesa Outlet Drain (Yuma Mesa Conduit) B/	23,248
Return flow from protective and regulatory pumping unit C/	19,155
Estimated unmeasured groundwater return flow D/	25,949
Return flow share of Gila Main Canal loss E/	25,792
Subtotal return flow	159,014
Consumptive Use (see note above)	134,087

- A/ Total for the North Gila Valley, the Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts.
- B/ 85 percent of the Yuma Mesa Outlet Drain credited to Yuma Mesa Irrigation and Drainage District with balance credited to 'Unit B'.
- C/ Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
- D/ Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
- E/ Diversion multiplied by the mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1,397 af/yr) and phreatophyte use (2,154 af/yr).

- 9/ Diversion and return amounts include pumpage from AEW-6,7,8,10,11,41. These wells were previously reported in the Arizona Supplemental Section.
- 10/ Diversion amounts include pumpage from AEW-15,16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.
- 11/ Reclamation is engaged in a modeling study to determine the amount of water returning to the Colorado River upstream of NIB, and how this return is affected by pumping of the DPOC wellfield. Until comprehensive modeling of the Yuma area is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
- 12/ Details on Arizona Supplemental Sheets.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2004
STATE OF ARIZONA

WATER USER	Fmts	USGS #	1/	7/21/06												TOTAL
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Marble Canyon Company				0.9	0.8	1.6	2.3	3.1	3.4	3.4	2.6	2.3	2.2	1.5	0.9	25
SUBTOTALS, LEE FERRY TO DAVIS DAM	2/			1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0	25
				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
				0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	9
				1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	16
McAlister, M. River Intake				0.4	0.5	0.6	0.6	0.8	0.9	1.0	1.0	0.8	0.6	0.4	0.4	8
Crystal Beach Water Conservation District				7.5	7.5	7.5	7.5	7.5	8.5	8.5	8.5	8.5	8.5	9.0	9.0	98
Arizona-American Water Co. (Havasu Water Co)				38.0	32.0	39.0	43.0	53.0	62.0	77.0	68.0	72.0	69.0	47.0	50.0	650
Arizona State Parks (Windsor Beach)				1.0	1.0	3.0	9.0	2.0	5.0	3.0	5.0	3.0	5.0	1.0	0.0	38
SUBTOTALS, DAVIS DAM TO PARKER DAM	2/			47.0	41.0	50.0	60.0	63.0	76.0	90.0	83.0	84.0	83.0	57.0	59.0	793
				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
				16.0	14.0	18.0	21.0	22.0	27.0	32.0	29.0	29.0	29.0	20.0	21.0	278
				31.0	27.0	32.0	39.0	41.0	49.0	58.0	54.0	55.0	54.0	37.0	38.0	515
Hillcrest Water Co.				1.7	2.5	2.6	2.1	2.4	3.3	3.4	4.0	3.0	3.0	3.9	3.1	35
Rayner, Jack Jr.		AEP-9		86.0	326.6	66.5	184.0	194.8	382.2	462.5	428.0	240.7	47.6	139.8	139.3	2,698
Rayner, Jack Jr.		AEW-35		45.0	110.5	22.4	61.9	120.2	114.1	119.2	94.2	76.4	13.0	25.3	22.8	825
Arizona State Land Department				0.0	0.0	0.0	160.0	170.0	195.0	290.0	265.0	205.3	152.1	35.4	19.2	1,492
Cibola Sportsman		ADP-6		21.4	26.7	36.4	39.3	48.1	58.3	63.6	61.2	48.1	40.3	28.6	28.2	500
North Baja Pipeline, LLC, (TransCanada)				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
BLM Permittees (LHFO & YFO)	3/			39.0	105.0	91.4	98.8	131.0	188.5	174.8	227.5	111.7	55.2	69.0	58.0	1,350
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2/			193.0	571.0	219.0	546.0	666.0	941.0	1,114.0	1,080.0	685.0	311.0	302.0	271.0	6,899
				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
				68.0	200.0	77.0	191.0	233.0	329.0	390.0	378.0	240.0	109.0	106.0	95.0	2,416
				125.0	371.0	142.0	355.0	433.0	612.0	724.0	702.0	445.0	202.0	196.0	176.0	4,483
YUMA ISLAND - AZ																
Bard Date Gardens	4/	AEW-3		0.0	0.0	6.6	30.1	7.8	7.8	20.0	17.0	27.0	3.8	0.0	0.3	120
Bard Date Gardens	4/	AEP-1		345.3	271.3	310.7	355.0	498.0	598.6	582.0	796.5	719.7	648.4	531.5	290.0	5,947
Glen Curtis Citrus	4/	AEP-2/3,ADW-3		90.2	112.6	153.8	166.1	203.0	246.4	268.8	258.6	203.3	170.3	120.9	119.0	2,113
Yowelman, R.	5/6/	ADW-2		44.0	55.0	75.0	81.0	99.0	120.3	131.2	126.2	99.2	83.1	59.0	58.0	1,031
Harp,Yowelman	5/6/	ADW-4		14.6	18.0	24.9	26.9	32.9	39.9	43.5	41.9	32.9	27.6	19.6	19.3	342
Ranch "5" Lands, Yuma Island, AZ (760 acres)	7/			53.1	68.4	167.0	152.2	92.0	204.7	30.1	18.9	260.2	197.0	0.0	35.4	1,279
SUM OF YUMA ISLAND - AZ	2/			547.0	525.0	738.0	811.0	933.0	1,218.0	1,076.0	1,259.0	1,342.0	1,130.0	731.0	522.0	10,832
BLM Permittees (YFO)				10.9	13.6	18.6	20.0	24.5	29.7	32.4	31.2	24.5	20.6	14.6	14.4	255
Pratt, L.	5/4/6/			6.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	6.0	6.0	6.0	216
Ogram, George	4/	AEW-9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Peach	4/6/	AEW-12		11.4	14.2	19.4	21.0	25.7	31.1	34.0	32.7	25.7	21.5	15.3	15.0	267
Peach	4/	AEW-13		10.0	12.5	17.0	18.4	22.5	27.3	29.8	28.6	22.5	18.9	13.4	13.2	234
Yucca Pwr Plant (Arizona Public Service Co.)				16.4	20.5	28.0	30.3	37.0	45.0	49.0	47.1	37.0	31.0	22.0	21.7	385
Amigo Farms	5/6/	AEW-14, ADP-1		16.5	21.0	19.0	35.1	43.4	29.7	32.5	31.2	37.2	21.0	33.3	24.1	344
Curry Family Limited	5/6/	AEP-4, ADP-2		7.8	5.7	3.8	59.4	41.2	18.9	32.4	1.8	50.8	44.3	9.1	5.8	281
Power, P.	5/6/8/	ADP-3/4		71.6	57.4	97.8	105.6	129.1	156.7	171.0	164.5	129.3	108.3	77.0	75.7	1,344
Hall, Ansil	5/6/	ADP-5		26.7	21.4	36.4	39.3	48.0	58.3	63.6	61.2	48.0	40.3	28.6	28.2	500
State of Arizona (Arizona State Land Department)				412.0	394.5	447.0	836.3	880.3	783.3	865.3	689.3	668.0	565.0	493.0	576.0	7,610
SUBTOTALS, BELOW IMPERIAL DAM	2/			1,136	1,110	1,449	2,000	2,209	2,422	2,410	2,371	2,409	2,007	1,443	1,302	22,268
				0	0	0	0	0	0	0	0	0	0	0	0	0
				398	389	507	700	773	848	844	830	843	702	505	456	7,795
				738	721	942	1,300	1,436	1,574	1,566	1,541	1,566	1,305	938	846	14,473

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2004
 STATE OF ARIZONA

7/21/06

(ACRE-FEET)

WATER USER	Ftnts	USGS #	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2/		DIVERSION	1,377	1,723	1,720	2,608	2,941	3,442	3,617	3,537	3,180	2,403	1,804	1,633	29,985
			MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
			UNMEAS. RETURNS	482	603	603	913	1,029	1,205	1,267	1,238	1,113	841	632	572	10,498
			CONSUMPTIVE USE	895	1,120	1,117	1,695	1,912	2,237	2,350	2,299	2,067	1,562	1,172	1,061	19,487

Footnotes:

- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
 - 2/ Monthly and annual totals rounded and displayed to the nearest whole number.
 - 3/ BLM Permittees reported total includes 216 af diverted by Pratt for the Pratt Revegetation Project. Pratt agricultural use has been reduced by this quantity.
 - 4/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge ratio.
 - 5/ Calculated by assuming an annual diversion rate of 6.25 af per acre.
 - 6/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
 - 7/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state. Use has been deducted from Bard diversions.
 - 8/ BLM Permittee, Limitrophe area, administered by BLM YFO.
- Note: Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International boundary (NIB), to be a diversion of Colorado River water. This decision is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and, therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF CALIFORNIA

7/21/06

(ACRE-FEET)

WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOJAVE INDIAN RESERVATION														
DELIVERED BY THE CITY OF NEEDLES CA.	2/	DIVERSION	0	1	1	1	1	1	1	1	1	1	1	11
PUMPED FROM RIVER AND WELLS	2/	DIVERSION	684	853	1,165	1,258	1,538	1,867	2,036	1,960	1,540	1,290	916	16,008
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	316	395	539	582	711	863	941	906	712	596	424	7,402
		CONSUMPTIVE USE	368	459	627	677	828	1,005	1,096	1,055	829	695	493	8,617
CITY OF NEEDLES														
PUMPED FROM FOUR WELLS IN FLOODPLAIN		DIVERSION	143.0	5.0	179.0	251.0	290.0	208.0	11.0	265.0	248.0	206.0	151.0	2097
		MEAS. RETURNS	19	20	19	21	16	13	14	25	20	28	20	235
		UNMEAS. RETURNS	19	1	24	34	39	28	1	36	33	28	20	282
	3/	CONSUMPTIVE USE	105	-16	136	196	235	167	-4	204	195	158	103	1580
CHEMEHUEVI INDIAN RESERVATION														
PUMPED FROM RIVER AND WELLS		DIVERSION	0	0	242	242	240	240	240	240	0	0	0	1,444
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	112	112	111	111	111	111	0	0	0	668
		CONSUMPTIVE USE	0	0	130	130	129	129	129	129	0	0	0	776
METROPOLITAN WATER DISTRICT														
DIVERSION FROM LAKE HAVASU		DIVERSION	58,168	56,204	55,576	69,165	65,819	67,778	49,989	41,506	40,190	38,366	95,510	733,095
WATER DIVERTED TO STORAGE FOR SNWA	4/	DIVERSION	0	0	0	0	0	0	0	0	0	0	10,000	10,000
WATER EXCHANGED WITH SDCWA	5/	DIVERSION	1,666	1,667	1,667	1,666	1,667	1,667	1,667	1,667	1,666	1,667	1,667	20,000
		MEAS. RETURNS	271	246	266	257	264	248	258	223	244	253	257	3,063
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	59,563	57,625	56,977	70,574	67,222	69,197	51,397	42,950	41,613	39,779	96,920	760,032
PARKER DAM AND GOVERNMENT CAMP														
DIVERSION AT PARKER DAM		DIVERSION	10	5	9	13	17	16	19	22	17	17	10	165
		MEAS. RETURNS	1	1	1	2	11	11	11	11	11	2	2	66
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	9	4	8	11	6	5	8	11	6	15	8	99
COLORADO RIVER INDIAN RESERVATION														
4 RIVER PUMPS		DIVERSION	254	260	253	347	497	554	694	597	564	280	231	4,754
BIG RIVER WATER DEPT. - 8 WELLS		DIVERSION	97	67	104	116	141	172	188	186	159	118	67	1,477
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0
	6/	UNMEAS. RETURNS	152	142	155	200	276	314	382	339	313	172	129	2,697
		CONSUMPTIVE USE	199	185	202	263	362	412	500	444	410	226	169	3,534
CITY OF WINTERHAVEN														
PUMPED FROM 1 WELL IN FLOODPLAIN	7/	DIVERSION	5	7	9	10	12	14	15	12	10	7	7	124
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	2	2	3	3	4	5	5	4	3	2	2	40
		CONSUMPTIVE USE	3	5	6	7	8	9	11	10	8	7	5	84
PALO VERDE IRRIGATION DISTRICT														
DIVERSION FROM PALO VERDE DAM		DIVERSION	39,560	58,710	80,700	94,590	116,200	119,600	126,900	116,700	88,360	53,160	35,980	969,040
		MEAS. RETURNS	32,721	33,570	38,712	41,531	44,457	46,103	46,825	51,320	53,645	42,963	35,901	502,075
		UNMEAS. RETURNS	2,215	3,288	4,519	5,297	6,507	6,698	7,106	6,535	4,948	2,977	2,015	54,265
		CONSUMPTIVE USE	4,624	21,852	37,469	47,762	65,236	66,799	72,969	58,845	29,767	7,220	-1,936	412,700
YUMA PROJECT, RES. DIV. INDIAN UNIT														
DIVERSION AT IMPERIAL DAM		DIVERSION	2,694	2,693	5,022	6,057	8,508	3,048	2,382	2,315	2,791	4,820	4,113	46,259
		MEAS. RETURNS	46	42	15	34	100	45	28	58	48	146	150	728
		UNMEAS. RETURNS	450	450	839	1,012	1,421	509	398	387	466	805	687	7,727
		CONSUMPTIVE USE	2,198	2,201	4,168	5,011	6,987	2,494	1,956	1,870	2,277	3,869	3,276	37,804
YUMA PROJECT, RES. DIV. BARD UNIT														
DIVERSION AT IMPERIAL DAM		DIVERSION	2,237	2,313	4,873	5,340	2,463	3,396	3,381	2,591	2,635	3,487	3,064	37,457
		MEAS. RETURNS	23	21	8	17	26	39	23	36	38	65	69	373
		UNMEAS. RETURNS	374	386	814	892	411	567	565	433	440	582	512	6,256
		CONSUMPTIVE USE	1,840	1,906	4,051	4,431	2,026	2,790	2,793	2,122	2,157	2,840	2,483	30,828

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF CALIFORNIA

		7/21/06	(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
YUMA PROJECT, RESERVATION DIVISION															
UNASSIGNED RETURNS	8/	MEAS. RETURNS	2,180	2,114	1,791	2,626	3,167	2,154	2,101	2,169	2,511	3,172	3,054	2,173	29,212
TOTAL YUMA PROJECT, RESERVATION DIV. USE		CONSUMPTIVE USE	1,858	1,993	6,428	6,816	5,846	3,130	2,648	1,823	1,923	3,537	2,705	713	39,420
IMPERIAL IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM															
	9/	DIVERSION	141,009	142,098	266,314	296,357	331,689	321,012	325,220	299,970	254,353	200,251	142,698	101,823	2,822,794
		MEAS. RETURNS	4,104	3,790	1,327	2,739	8,482	10,120	6,478	12,307	8,825	10,137	9,067	1,509	78,885
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	136,905	138,308	264,987	293,618	323,207	310,892	318,742	287,663	245,528	190,114	133,631	100,314	2,743,909
WATER EXCHANGED WITH SDCWA															
	10/	DIVERSION	0	0	0	0	1,759	2,224	1,757	2,234	2,435	3,393	1,127	0	14,929
		MEAS. RETURNS	0	0	0	0	45	70	35	92	84	172	72	0	570
		CONSUMPTIVE USE	0	0	0	0	1,714	2,154	1,722	2,142	2,351	3,221	1,055	0	14,359
COACHELLA VALLEY WATER DISTRICT															
DIVERSION AT IMPERIAL DAM															
		DIVERSION	17,487	16,588	24,449	29,444	36,180	35,511	34,725	39,194	31,653	26,672	21,357	15,073	328,333
		MEAS. RETURNS	509	442	122	272	925	1,119	692	1,608	1,098	1,350	1,357	223	9,717
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	16,978	16,146	24,327	29,172	35,255	34,392	34,033	37,586	30,555	25,322	20,000	14,850	318,616
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN															
DAVIS DAM TO INTERNATIONAL BOUNDARY															
	11/	DIVERSION	999	1,228	1,914	1,995	2,228	2,543	2,109	2,656	1,935	1,612	2,098	1,119	22,436
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	445	547	851	887	991	1,132	937	1,181	861	716	934	495	9,977
		CONSUMPTIVE USE	554	681	1,063	1,108	1,237	1,411	1,172	1,475	1,074	896	1,164	624	12,459
CALIFORNIA TOTALS															
		DIVERSION	265,013	282,699	442,477	506,852	569,249	559,851	551,334	512,119	428,560	335,349	308,997	267,923	5,030,423
		MEAS. RETURNS	39,874	40,246	42,261	47,499	57,493	59,922	56,465	67,849	66,524	58,280	49,957	38,554	624,924
		UNMEAS. RETURNS	3,973	5,211	7,856	9,019	10,471	10,227	10,446	9,933	7,777	5,879	4,723	3,799	89,314
		CONSUMPTIVE USE	221,166	237,242	392,360	450,334	501,285	489,702	484,423	434,337	354,259	271,190	254,317	225,570	4,316,185

Note: The term 'CONSUMPTIVE USE' as used in this tabulation means diversions including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Monthly diversion amounts are provided by the user. Water delivered by Needles is provided by the City of Needles. Diversion data listed as Pumped From River and Wells is provided by the Fort Mojave Indian Tribe.
- 3/ A portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 4/ MWD diversion and consumptive use figures include 10 kaf diverted to storage for SNWA. MWD diversion figures do not include 375 af diverted for delivery to Tijuana, Mexico.
- 5/ Water conserved by IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement. Reclamation's future Water Accounting reports will reflect variations in the water delivery arrangements as they occur.
- 6/ Unmeasured returns calculated as 40% of Big River pumpage.
- 7/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 8/ Unassigned Measured Returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
- 9/ Water captured and stored by IID at Reclamation's request is tabulated in this report under Water Subject to Temporary Re-Regulation and is not included in the IID diversion or consumptive use.
- 10/ Water conserved by IID and transferred to SDCWA, in accordance with CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended. The water was delivered by the Secretary to Imperial Reservoir under Article 4(a) of the CRWDA and there made available to SDCWA for exchange for non-Colorado River water for Salton Sea mitigation in accordance with the IID/SDCWA Water Transfer Agreement, as amended. The use of this water does not constitute California agricultural usage for the purposes of meeting the benchmark set forth in CRWDA, Exhibit B, column 23.
- 11/ Details can be found on the California Supplemental Sheets.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2004
 STATE OF CALIFORNIA

7/21/06

(ACRE-FEET)

WATER USER	Ftnts	USGS #	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	2/	CEW-17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
De Soto Ranch	2/	CEW-18		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Southern Cal Gas	3/1/4/	CEW-21		2.0	2.0	3.0	4.0	4.0	5.0	6.0	6.0	4.0	4.0	3.0	3.0	46
Pacific Gas & Electric Company	4/			0.0	0.0	4.0	5.0	4.0	5.0	4.0	5.0	4.0	5.0	4.0	6.0	46
Havasu Water Company	4/	Needles rpt.		3.0	3.0	4.0	5.0	6.0	7.0	8.0	7.0	6.0	5.0	3.0	3.0	60
Wells reported, non-Federal subcontracts to LCWSP	4/	Needles rpt.		8.0	10.0	14.0	15.0	18.0	22.0	24.0	23.0	18.0	15.0	11.0	10.0	188
SUBTOTALS, DAVIS DAM TO PARKER DAM	5/	DIVERSION		13	15	25	29	32	39	42	41	32	29	21	22	340
		MEAS. RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS		4	5	7	8	10	12	13	12	10	8	6	5	100
		CONSUMPTIVE USE		9	10	18	21	22	27	29	29	22	21	15	17	240
Citrus Ranch (Lye, C. L.)	6/3/	CEW-16		2.1	2.7	3.6	4.0	4.8	5.8	6.4	6.1	4.8	4.0	2.9	2.8	50
Lake Enterprises of California				1.0	1.0	1.0	1.0	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	9
BLM Permittees (LHFO & YFO)	7/4/			18.7	30.6	38.7	36.8	36.8	68.6	40.1	66.0	36.4	33.1	24.0	20.1	450
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	5/	DIVERSION		22	34	43	42	43	75	47	73	42	38	27	23	509
		MEAS. RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS		10	15	19	19	19	34	21	33	19	17	12	10	228
		CONSUMPTIVE USE		12	19	24	23	24	41	26	40	23	21	15	13	281
Wetmore, Kenneth C.	7/3/			0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.3	5
Williams, Jerry O. & Deloris P.	7/3/			0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	1
Lindeman, William H. & Hazel D.	7/3/			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carney, Jerome D.	7/3/			0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	1
Wetmore, Mark M.	7/3/			0.4	0.5	0.7	0.7	0.9	1.0	1.1	1.0	0.9	0.8	0.5	0.5	9
<u>FORT YUMA IR - CA</u>																
Valdez, Mike	7/3/	CDP-1, 2, CEW-1		53.3	42.7	72.8	78.6	96.1	116.6	127.2	122.4	96.2	80.6	57.2	56.3	1,000
Living Earth Farm	7/3/	CEW-2, CDP-3		23.5	29.3	40.0	43.0	53.0	64.1	70.0	67.3	53.0	44.3	31.5	31.0	550
Mike Valdez	7/3/	CEW-3,CDP-4,CDW-1		133.4	166.6	227.5	245.6	300.3	364.4	397.5	382.5	300.6	251.9	178.8	175.9	3,125
MivCo Packing	2/3/	CEW-14		46.7	49.5	97.5	159.3	136.0	50.8	24.7	46.7	130.5	228.0	112.6	90.7	1,173
Valdez, Mike	2/3/	CEW-15		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Ranch "5" Lands, Yuma Island, CA (530 acres)	8/	AAC DIVERSION		37	48	116	106	64	142	21	13	181	137	0	25	890
Huerta Packing	6/3/	CDP-6/7		16.0	20.0	27.3	29.5	36.0	43.7	47.7	45.9	36.1	30.2	21.5	21.1	375
<u>Sum of pumping on FYIR - CA</u>	5/			310.0	356.0	581.0	662.0	685.0	782.0	688.0	678.0	797.0	772.0	402.0	400.0	7,113
<u>YUMA ISLAND - CA</u>																
<u>Arizona State Land Department Lessees</u>																
Horizon Farms	6/9/			427.8	549.2	779.3	737.1	777.2	809.4	592.0	1,013.7	468.4	420.7	1,178.2	436.0	8,189
Horizon Farms (Ed Wavers Farming)	2/3/	CDW-5, CEW-7		64.4	86.6	144.7	135.2	189.0	220.7	159.5	156.3	182.7	42.2	298.8	91.9	1,772
Land, K. H.	2/3/	CDW-8 (CEW-12)		41.4	51.6	70.5	76.2	93.1	113.0	123.2	118.6	93.2	78.3	55.4	54.5	969
Wilson Farms	2/	CEW-11		0.0	0.0	9.3	8.0	16.0	14.6	10.6	8.0	0.0	0.0	31.9	10.6	109
R. Harp	6/	CDW-2		9.6	12.0	16.4	17.7	21.6	26.2	28.6	27.5	21.7	18.1	12.9	12.7	225
Dees, Alex	2/	CEW-9		49.4	79.4	142.9	183.5	229.3	317.5	285.8	383.0	201.1	164.1	37.0	46.0	2,119
Mike Palmer (Power, L.O.)	6/	CEW-13		60.2	42.7	101.0	103.0	140.0	143.7	130.1	155.3	95.1	48.5	33.0	21.4	1,074
<u>Sum of pumping on Yuma Island - CA</u>	5/			653.0	822.0	1,264.0	1,261.0	1,466.0	1,645.0	1,330.0	1,862.0	1,062.0	772.0	1,647.0	673.0	14,457
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	5/	DIVERSION		964	1,179	1,846	1,924	2,153	2,429	2,020	2,542	1,861	1,545	2,050	1,074	21,587
		MEAS. RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS		431	527	825	860	962	1,086	903	1,136	832	691	916	480	9,649
		CONSUMPTIVE USE		533	652	1,021	1,064	1,191	1,343	1,117	1,406	1,029	854	1,134	594	11,938
=====																
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION		DIVERSION		999	1,228	1,914	1,995	2,228	2,543	2,109	2,656	1,935	1,612	2,098	1,119	22,436
		MEAS. RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS		445	547	851	887	991	1,132	937	1,181	861	716	934	495	9,977
		CONSUMPTIVE USE		554	681	1,063	1,108	1,237	1,411	1,172	1,475	1,074	896	1,164	624	12,459

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2004
 STATE OF CALIFORNIA

7/21/06

(ACRE-FEET)

WATER USER	Ftnts	USGS #	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Footnotes:

- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain"
- 2/ Calculated from monthly power records and power-discharge measurements where available, otherwise from power-discharge rate.
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ This Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 5/ Monthly and annual totals rounded and displayed to the nearest whole number.
- 6/ Calculated by assuming an annual diversion rate of 6.25 af per acre.
- 7/ Location of well/pump not reported.
- 8/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state.
 Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.
- 9/ Diversion pumpage indentified by the following equipment codes CEP-1,2,3 CDW-3,4,5,7 CEW-4,5,6,8,10 CDP-5 CDEW-1

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF NEVADA

7/21/06

(ACRE-FEET)

WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	5	4	6	6	6	7	9	10	9	7	6	5	80
	MEAS. RETURNS	2	1	2	2	2	3	3	3	3	3	3	3	30
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	3	3	4	4	4	4	6	7	6	4	3	2	50
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	29,504	25,465	33,862	36,387	48,734	43,401	44,345	41,058	36,256	38,025	26,570	29,968	433,575
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	29,504	25,465	33,862	36,387	48,734	43,401	44,345	41,058	36,256	38,025	26,570	29,968	433,575
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	42	34	38	56	59	79	78	76	70	57	43	16	648
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	42	34	38	56	59	79	78	76	70	57	43	16	648
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	12	12	16	21	24	27	28	25	22	20	16	14	237
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	12	12	16	21	24	27	28	25	22	20	16	14	237
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	435	404	473	538	475	482	654	646	516	411	370	457	5,861
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	435	404	473	538	475	482	654	646	516	411	370	457	5,861
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	546	447	781	1,316	1,692	1,620	1,562	1,436	1,600	781	670	712	13,163
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	546	447	781	1,316	1,692	1,620	1,562	1,436	1,600	781	670	712	13,163
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	77	58	71	66	65	63	67	2	3	2	0	2	476
	MEAS. RETURNS	76	57	70	65	64	62	66	1	2	1	0	1	465
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	0	1	11
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	77	63	83	79	61	82	75	85	75	53	73	86	892
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	77	63	83	79	61	82	75	85	75	53	73	86	892
MOHAVE GENERATING STATION (SO. CAL. EDISON)														
PUMPED FROM 1 WELL	DIVERSION	719	778	1,096	629	1,242	1,235	889	1,265	1,235	1,148	1,019	783	12,038
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	719	778	1,096	629	1,242	1,235	889	1,265	1,235	1,148	1,019	783	12,038

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2004
STATE OF NEVADA

		7/21/06	(ACRE-FEET)											
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BIG BEND WATER DISTRICT-LAUGHLIN, NV														
	DIVERSION	305	311	357	383	454	470	579	560	485	410	307	300	4,921
	MEAS. RETURNS	218	237	254	259	257	251	303	266	213	208	181	182	2,829
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	87	74	103	124	197	219	276	294	272	202	126	118	2,092
FORT MOJAVE INDIAN RESERVATION PUMPED FROM 2 WELLS IN FLOODPLAIN														
2/	DIVERSION	165	206	282	304	372	451	493	474	372	312	221	218	3,870
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	54	68	93	100	123	149	163	156	123	103	73	72	1,277
	CONSUMPTIVE USE	111	138	189	204	249	302	330	318	249	209	148	146	2,593
LAS VEGAS WASH RETURN FLOWS														
3/	RETURNS	15,333	17,321	16,626	17,844	14,373	13,519	14,379	13,716	12,572	17,318	18,564	16,589	188,154
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY														
4/	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA TOTALS														
	DIVERSION	31,887	27,782	37,065	39,785	53,184	47,917	48,779	45,637	40,643	41,226	29,295	32,561	475,761
	MEAS. RETURNS	15,629	17,616	16,952	18,170	14,696	13,835	14,751	13,986	12,790	17,530	18,748	16,775	191,478
	UNMEAS. RETURNS	54	68	93	100	123	149	163	156	123	103	73	72	1,277
	CONSUMPTIVE USE	16,204	10,098	20,020	21,515	38,365	33,933	33,865	31,495	27,730	23,593	10,474	15,714	283,006
GROUNDWATER INJECTED STORAGE LAS VEGAS VALLEY WATER DIST.														
5/	INJECTED	4,863	2,217	2,675	2,103	924	0	0	0	0	0	0	4,334	17,116
	WITHDRAWN	0	0	0	0	0	0	0	0	600	186	62	81	929
CITY OF NORTH LAS VEGAS														
	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

2/ Monthly diversion amounts are provided by the user.

3/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in USBR letter to SNWA and CRCN dated July 29, 2003.

4/ Details on Nevada Supplemental Sheets.

5/ Nevada Injected Storage Balance: A/

Beginning of Year Cumulative Injected Storage	279,546
Plus Current Year Additions	17,116
Minus Current Year Withdrawals	929
End of Year Cumulative Injected Storage	<u>295,733</u>

A/ Colorado River water injected into ground water storage is accounted as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

NEVADA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2004
 STATE OF NEVADA

WATER USER	Ftnts	(ACRE-FEET)												TOTAL		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
Sportsman's Park	1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boy Scouts of America SEC5 T33S R66E	1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nevada Supplemental Tabulation		DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

1/ Pumped uses for each diverter listed for Nevada were zero in 2004.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO
ORDERS BUT NOT DIVERTED BY PARTY ORDERING THE SAME,
AND THE QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN
SATISFACTION OF THE MEXICAN TREATY OR DIVERTED BY OTHERS;
IN ACCORDANCE WITH ARTICLE V(C) OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

The following tabulations for calendar year 2004 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation has tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities. Reclamation is revising the methodology used to pro-rate individual contributions of rejected water passing to Mexico in excess of treaty requirements, therefore this line has been left blank, resulting in all rejected water reported as having been captured in storage or delivered to other users.

Water ordered but not diverted was analyzed daily for each diverter as the absolute value of the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the

storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. The quantities of such deliveries are shown on the tabulation. Deliveries of water to Mexico in satisfaction of the Mexican Treaty are scheduled based on Mexico's daily orders. Releases from storage are scheduled in sufficient quantities which, when added to return flows, meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the treaty, therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations do not show entries for water ordered but not diverted as being delivered to Mexico in satisfaction of the treaty.

Currently, no daily orders are received from Nevada for diversion from the Colorado River so no sheet is included for Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2004
STATE OF ARIZONA

WATER USER	Ftns	7/21/06												TOTAL
		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		3,096	2,382	812	2,333	434	1,872	1,174	866	4,369	0	1,713	1,043	20,094
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
CAPTURED IN STORAGE	2/	3,096	2,382	812	2,333	434	1,872	1,174	866	4,369	0	1,713	1,043	20,094
PASSING TO MEXICO IN														
EXCESS OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
COLO. RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK														
ORDERED BUT NOT DIVERTED		286	381	871	536	631	0	272	1,668	448	10	206	2,354	7,663
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
CAPTURED IN STORAGE	2/													
PASSING TO MEXICO IN														
EXCESS OF TREATY														
NORTH GILA VALLEY I.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		1,535	1,581	1,061	2,075	2,114	5,538	1,954	1,476	1,002	3,344	2,850	2,225	26,755
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
CAPTURED IN STORAGE	2/													
PASSING TO MEXICO IN														
EXCESS OF TREATY														
GILA MONSTER FARMS, GILA PROJECT DISTRICTS														
DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
CAPTURED IN STORAGE	2/													
PASSING TO MEXICO IN														
EXCESS OF TREATY														
WELLTON-MOHAWK I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		4,342	3,376	5,968	5,617	5,369	6,357	6,427	3,338	4,167	16,661	12,369	11,935	85,926
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
CAPTURED IN STORAGE	2/													
PASSING TO MEXICO IN														
EXCESS OF TREATY														
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		466	547	379	210	387	401	353	244	607	752	666	881	5,893
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
CAPTURED IN STORAGE	2/													
PASSING TO MEXICO IN														
EXCESS OF TREATY														

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2004
STATE OF ARIZONA

WATER USER	Ftns	7/21/06												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA MESA I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS CAPTURED IN STORAGE 2/ PASSING TO MEXICO IN EXCESS OF TREATY		2,809	1,956	2,838	1,789	2,672	2,610	2,717	1,902	2,888	4,816	2,630	3,065	32,692
UNIT "B" I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS CAPTURED IN STORAGE 2/ PASSING TO MEXICO IN EXCESS OF TREATY		480	811	762	1,273	460	857	853	415	452	442	256	280	7,341
YUMA COUNTY WATER USERS ASSN., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS CAPTURED IN STORAGE 2/ PASSING TO MEXICO IN EXCESS OF TREATY		5,100	2,942	4,985	6,034	2,983	1,680	2,616	4,056	3,283	5,722	4,052	5,544	48,997
ARIZONA TOTALS ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS CAPTURED IN STORAGE 2/ PASSING TO MEXICO IN EXCESS OF TREATY 3/		18,114	13,976	17,676	19,867	15,050	19,315	16,366	13,965	17,216	31,747	24,742	27,327	235,361
		3,096	2,382	812	2,333	434	1,872	1,174	866	4,369	0	1,713	1,043	20,094

Footnotes:

- 1/ Reclamation is working to revise the methodology used to determine the disposition, by user, of the Water Ordered but not Diverted. As outlined in the table it may be diverted by another water user, stored, or passing to Mexico in excess of the 1944 Treaty requirements. Until the methodology and software are completed, Reclamation will not report the disposition of Water Ordered but not Diverted.
- 2/ Stored in Lake Havasu or Senator Wash Reservoir for future use.
- 3/ For the total amount of water passing to Mexico in Excess of Schedule, please see the next section of this report which contains the Deliveries to Mexico.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2004
STATE OF CALIFORNIA

WATER USER	Ftns	7/21/06												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		8,987	2,706	3,683	2,097	375	1,213	475	1,668	2,570	1,451	4,830	6,366	36,421
DIVERTED BY OTHERS CAPTURED IN STORAGE 2/		8,987	2,706	3,683	2,097	375	1,213	475	1,668	2,570	1,451	4,830	6,366	36,421
PASSING TO MEXICO IN EXCESS OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,850	871	674	774	1,547	417	972	2,678	2,658	2,842	1,956	1,127	19,366
DIVERTED BY OTHERS CAPTURED IN STORAGE 2/														
PASSING TO MEXICO IN EXCESS OF TREATY														
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,465	2,765	1,855	2,600	2,906	2,499	2,858	3,388	2,640	2,529	4,274	6,066	36,845
DIVERTED BY OTHERS CAPTURED IN STORAGE 2/														
PASSING TO MEXICO IN EXCESS OF TREATY														
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		17,189	25,204	12,645	27,410	5,649	3,533	5,871	8,368	6,845	13,702	9,340	24,074	159,830
DIVERTED BY OTHERS CAPTURED IN STORAGE 2/														
PASSING TO MEXICO IN EXCESS OF TREATY														
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		813	1,932	502	764	1,355	571	2,144	101	1,381	1,674	1,904	2,065	15,206
DIVERTED BY OTHERS CAPTURED IN STORAGE 2/														
PASSING TO MEXICO IN EXCESS OF TREATY														
CALIFORNIA TOTALS ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		32,304	33,478	19,359	33,645	11,832	8,233	12,320	16,203	16,094	22,198	22,304	39,698	267,668
DIVERTED BY OTHERS CAPTURED IN STORAGE 2/		8,987	2,706	3,683	2,097	375	1,213	475	1,668	2,570	1,451	4,830	6,366	36,421
PASSING TO MEXICO IN EXCESS OF TREATY 3/														

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2004
 STATE OF CALIFORNIA

WATER USER	7/21/06	(ACRE-FEET)											
Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL

Footnotes:

- 1/ Reclamation is working to revise the methodology used to determine the disposition, by user, of the Water Ordered but not Diverted. As outlined in the table it may be diverted by another water user, stored, or passing to Mexico in excess of the 1944 Treaty requirements. Until the methodology and software are completed, Reclamation will not report the disposition of Water Ordered but not Diverted.
- 2/ Stored in Lake Havasu or Senator Wash Reservoir for future use.
- 3/ For the total amount of water passing to Mexico in Excess of Schedule, please see the next section of this report which contains the Deliveries to Mexico.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944
AND WATER PASSING TO MEXICO IN EXCESS OF
TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY, NORTHERLY INTERNATIONAL BOUNDARY	1/	118,103	159,920	192,260	202,221	99,857	99,626	109,819	87,038	82,927	99,296	93,258	117,543	1,461,868
DELIVERY TO THE RIVER LIMITROPHE	2/	1,005	752	982	294	556	381	383	479	405	924	938	978	8,077
DELIVERY, SOUTHERLY INTERNATIONAL BOUNDARY		9,560	7,972	8,808	9,813	11,662	9,638	10,001	10,759	11,115	12,161	10,753	10,580	122,822
DIVERSION FOR DELIVERY AT TIJUANA	3/	0	0	0	0	0	0	339	0	0	0	36	0	375
TOTAL DELIVERY TO MEXICO	4/	128,668	168,644	202,050	212,328	112,075	109,645	120,542	98,276	94,447	112,381	104,985	129,101	1,593,142
TO MEXICO AS SCHEDULED		128,113	158,443	199,768	197,528	108,570	109,271	119,426	97,713	89,308	73,669	98,764	119,427	1,500,000
TO MEXICO IN EXCESS OF SCHEDULE	5/	555	10,201	2,282	14,800	3,505	374	1,116	563	5,139	38,712	6,221	9,674	93,142
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC		8,585	8,688	8,889	7,601	8,215	8,914	6,322	7,422	8,200	8,684	9,878	9,364	100,762

Footnotes:

1/ Flow in the river at the Northerly International Boundary.

2/ Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

3/ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minute No. 310 of the IBWC.

4/ Water delivered to Mexico and charged against treaty requirements. It does not include Water Bypassed Pursuant to Minute No. 242 of the IBWC.

5/ Water that is lost to the United States through flows and/or releases into the Colorado River above Morelos Dam in excess of Lower Division States delivery orders and Mexican Treaty requirements.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

CALENDAR YEAR 2004
REPORT OF THE NEW MEXICO INTERSTATE STREAM COMMISSION

		7/21/06	(ACRE-FEET)												
WATER USER	Ftns		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	1	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	1	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnote:

1/ For additional information about deliveries to the Gila and San Francisco Rivers, please see the annual report of the New Mexico Interstate Stream Commission, attached as a pdf file within the CD at the back of this report.

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE DECREE OF THE
SUPREME COURT OF THE UNITED STATES
IN
*ARIZONA V. CALIFORNIA ET. AL.***

The information contained in the following sections of this report is supplemental to the records required under Article V of the 1964 Supreme Court Decree in *Arizona v. California et.al.* The information is tabulated here to provide a broader record of activities relating to federal management of the Colorado River in a single, concise report. The final section contains documents significant to the actions taken by Reclamation, Lower Division States, and water user agencies.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

The Bureau of Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with Southern Nevada Water Authority (SNWA), Colorado River Commission of Nevada (CRCN), and Arizona Water Banking Authority (AWBA). The SIRA is to provide structure and guidance, in accordance with Article II (B) (6) of the Decree, for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's water consumption. The forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in the year Colorado River water is diverted. LTSC are

created for the account of consuming entities in Nevada or California. When LTSC are recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II (B)(6) of the Decree in *Arizona v. California*. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Decree. When SNWA calls upon this stored water, MWD will develop ICUA by withdrawing water that MWD has previously stored for SNWA and deliver this water for consumptive use in California. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed interstate underground storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under individual agreements between each party and CAWCD. IUS credits are made available for recovery in the form of ICUA under the aforementioned agreements.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA, provisional ALTSC accrued during the past year, Long Term Storage Credits recovered during the past year, ALTSC held for an entity with a SIRA, and IUS credits assigned to MWD by CAWCD.

STORAGE AND INTERSTATE RELEASE AGREEMENT
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2004

		7/21/2006	(ACRE-FEET)												
		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified BOY ALTSC	1/ 2/	111,098												
Water stored in Arizona	Accrued LTSC in 04	3/	0	0	0	0	0	0	0	0	0	0	0	15,258	
for the benefit of SNWA.	Verified LTSC in 04	3a/	0	0	0	0	0	0	0	0	0	0	0	14,162	
	Recovered LTSC in 04	4/	0	0	0	0	0	0	0	0	0	0	0	0	
	Total ALTSC	5/	111,098	0	0	0	0	0	0	0	0	0	0	14,162	125,260
CALIFORNIA **	Verified BOY IUS Credits	6/	89,000												
Water stored in Arizona	Accrued LTSC in 04	3/	0	0	0	0	0	0	0	0	0	0	0	0	
for the benefit of MWD.	Verified LTSC in 04	3a/	0	0	0	0	0	0	0	0	0	0	0	0	
	Recovered LTSC in 04	4/	0	0	0	0	0	0	0	0	0	0	0	0	
	Total IUS Credits	5/	89,000	0	0	0	0	0	0	0	0	0	0	0	89,000
STATES TOTAL	Verified BOY ALTSC	1/	200,098												
Water stored in AZ for the benefit	Accrued LTSC in 04	3/	0	0	0	0	0	0	0	0	0	0	0	15,258	15,258
of Nevada and California Parties	Verified LTSC in 04	3a/	0	0	0	0	0	0	0	0	0	0	0	14,162	14,162
	Recovered LTSC in 04	4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	5/	200,098	0	0	0	0	0	0	0	0	0	0	14,162	214,260
WATER DIVERTED AND BANKED IN ARIZONA															
Water Diverted to Storage for Nevada	DIVERSION	7/	0	0	0	0	0	0	0	0	0	0	0	15,258	15,258
Water Diverted to Storage for California	DIVERSION	8/	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER STORED BY MWD FOR THE BENEFIT OF NEVADA (SNWA)															
NV Apportionment	Verified BOY ALTSC	9/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Accrued LTSC in 04	9/	0	0	0	0	0	0	0	0	0	0	0	10,000	
	Verified LTSC in 04	3b/	0	0	0	0	0	0	0	0	0	0	0	10,000	
	Recovered LTSC in 04	9/	0	0	0	0	0	0	0	0	0	0	0	0	
	Total ALTSC	9/	0	0	0	0	0	0	0	0	0	0	0	10,000	10,000
AMOUNT OF WATER STORED FOR THE BENEFIT OF NEVADA - CURRENT YEAR			0	0	0	0	0	0	0	0	0	0	0	25,258	25,258
TOTAL BALANCE OF WATER STORED FOR NEVADA WITHIN AZ AND CA		10/	111,098	0	0	0	0	0	0	0	0	0	0	24,162	135,260

** At present there is not a Storage and Interstate Release Agreement (SIRA) between the AWBA and a California entity, data from any future agreement will be presented here

Footnotes:

- 1/ Accumulated Long-Term Storage Credits (ALTSC) verified by the banking party before the beginning of the reporting year (BOY) to be available for recovery by a specific entity with a valid SIR Requested Intentionally Created Unused Apportionment (ICUA) cannot exceed verified ALTSC
- 2/ Final verified accounting of Accumulated Long-Term Storage Credits from AWBA, confirmed in letter to Reclamation dated July 14, 2005
- 3/ Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA
Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery
Accruals of LTSC for the benefit of consuming entities in Nevada and California are limited to 200 kaf annual!
- 3a/ Storage credits accrued for SNWA during 2004, verified by the AWBA in letter to Reclamation dated July 14, 2005
- 3b/ Storage credits accrued for SNWA during 2004, verified by MWD in letter to Reclamation dated September 14, 2005
- 4/ ALTSC recovered by AWBA or MWD during the reporting year, represented by ICUA that AWBA or MWD have certified to be available and the Secretary has release to a specific entity with a valid SIRA during the same year. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary
Total recovery of ALTSC from AWBA can not exceed 100 kaf annually, due to a limitation defined under Arizona State law
- 5/ Monthly sum of provisional and verified ALTSCs or IUS credits
- 6/ Interstate Underground Storage (IUS) credits banked in CAWCD's name and assigned to MWD under CAWCD/MWD agreement of October 15, 1992.
- 7/ Water diverted and banked in Arizona for an entity within Nevada with a current SIRA. 10,000 af of the total is unused Nevada apportionment made available through conservativ
- 8/ Place holder for water diverted and banked in Arizona for an entity within California with a current SIRA, if in the future a SIRA is develop
- 9/ In 2004 MWD, SNWA, and the Secretary of the Interior entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA.
Water stored by MWD in 2004, under this agreement, was Nevada unused apportionment. In 2004, Nevada was required to reduce its consumptive use by an amount equ to the total storage. When water is released from storage, CA will be required to reduce its consumptive use under its state apportionment in an amount equ to Nevada's requested release and Nevada will be allowed to exceed its apportionment by an amount equal to the ICUA made available by Arizona or Californi
- 10/ This balance includes both the BOY ALTSC balance as verified by the AWBA and the amount of water placed in storage within the current year. Verified ALTSC from 2004 diversions are show

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently use (divert or consumptively use) Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements have now been put in place for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003 by the Secretary of the Interior. Beginning in 2004, certain Districts within California are required by the CRWDA to begin payback of overruns accrued in CY 2001 and 2002, according to the payback schedule set forth in Exhibit C of the CRWDA. The CRWDA permits advance payback.

Reclamation has implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

This Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 Federal Register 12,201 (2004).

The following tabulation displays two items associated with inadvertent overruns and paybacks: 1) the quantity of paybacks made by California parties under Exhibit C of the CRWDA and the balance in each 2001–2002 overrun account; and 2) identification of entitlement holders who have inadvertently overrun since January 1, 2004, the amount of the overrun, repayments made to the Colorado River system, and the balance in each user's inadvertent overrun account.

The table titled Exhibit C reproduces Exhibit C from the CRWDA for convenient reference.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2004
 STATE OF ARIZONA

07/21/06

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
GILA MONSTER FARMS	Overrun of approved diversion	Calendar Year Diversion	2	10,678	9,156	9,156
		Calendar Year Overrun	3	1,522		
		BOY Overrun Account Balance	4	0		
		Validated Calendar Year Paybacks	5	0		
		EOY Overrun Account Balance	6	1,522		
		Overrun as Percent of Entitlement		16.6%		

Footnotes:

- 1/ This section contains tabulations of overruns of water users' approved diversions or approved water use amounts.
- 2/ The consumptive use or the diversion of a user as tabulated in the Article V. section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against its diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remaining IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE, AND CRWDA EXHIBIT C PAYBACK ¹
 CALENDAR YEAR 2004
 STATE OF CALIFORNIA

07/21/06		(ACRE-FEET)				
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
No entity exceeded its approval in 2004	Overrun of consumptive use approval	Calendar Year CU	2	0	0	0
		Calendar Year Overrun	3	0		
		BOY Overrun Account Balance	4	0		
		Validated Calendar Year Paybacks	5	0		
		EOY Overrun Account Balance	6	0		
		Percent of Entitlement		0.0%		
Payback of Exhibit C Obligations by Individual Water Users						
IMPERIAL IRRIGATION DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	151,400	N/A	
		Calendar Year Paybacks	8	40,665		
		Applied Credit from Re-regulation	9	3,970		
		EOY Exhibit C Balance	10	106,765		
COACHELLA VALLEY WATER DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	73,200	N/A	
		Calendar Year Paybacks	8	19,957		
		EOY Exhibit C Balance	10	53,243		
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	88,600	N/A	
		Calendar Year Paybacks	8	32,907		
		EOY Exhibit C Balance	10	55,693		

Footnotes:

- 1/ This section contains tabulations of overruns of water users' approved diversions or approved water use amounts.
 - 2/ The consumptive use or the diversion of a user as tabulated in the Article V. section of this report.
 - 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against its diversion or use.
 - 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
 - 5/ Paybacks to the Colorado River system made during the current year.
 - 6/ The remaining IOPP overrun account balance as of the end of the accounting year.
 - 7/ Payback obligation agreed to upon execution of the CRWDA. This amount is tabulated in Exhibit C of the CRWDA.
 - 8/ Paybacks of CRWDA, Exhibit C obligations made to the Colorado River system during the current year.
- Note that there is disagreement between IID and USBR over losses within the All-American Canal. An independent, third party has been contracted to resolve the loss calculation.
- The numbers displayed here are Reclamation's estimates; the numbers may be adjusted based on the resolution of the loss calculation.
- 9/ IID elected to apply the extraordinary conservation credit resulting from water that IID captured for re-regulation. For more information see section on Water Subject to Temporary Re-regulation.
 - 10/ End of Year balance of Exhibit C obligation, determined by subtracting current year repayments from the BOY account balance.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2004
 STATE OF NEVADA

07/21/06		(ACRE-FEET)				
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
No entity exceeded its approval in 2004	Overrun of diversion approval	Calendar Year CU	2		0	0
		Calendar Year Overrun	3	0		
		BOY Overrun Account Balance	4	0		
		Validated Calendar Year Paybacks	5	0		
		EOY Overrun Account Balance	6	0		
		Percent of Entitlement		0.0%		

Footnotes:

- 1/ This section contains tabulations of overruns of water users' approved diversions or approved water use amounts.
- 2/ The consumptive use or the diversion of a user as tabulated in the Article V. section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against its diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remaining IOPP overrun account balance as of the end of the accounting year.

Exhibit C of the Colorado River Water Delivery Agreement

Exhibit C: Payback Schedule of Overruns for Calendar Years 2001 and 2002

<i>Year</i>	<i>IID</i>	<i>CVWD</i>	<i>MWD</i>	<i>Total</i>
2004	18,900	9,100	11,000	39,000
2005	18,900	9,100	11,000	39,000
2006	18,900	9,100	11,100	39,100
2007	18,900	9,100	11,100	39,100
2008	18,900	9,200	11,100	39,200
2009	18,900	9,200	11,100	39,200
2010	19,000	9,200	11,100	39,300
2011	19,000	9,200	11,100	39,300
Cumulative	151,400	73,200	88,600	313,200

Note: Each district may, at its own discretion, elect to accelerate paybacks to retire its payback obligation before the end of the eight-year period ending in calendar year 2011. Each district's payback obligation is subject to acceleration in anticipation of a shortage in the Lower Colorado River Basin as provided for in section 8(b).

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior makes Colorado River water available to the Lower Division States in accordance with Article II of the Decree in *Arizona v. California*. Under Article II, the Secretary apportions water to the states under shortage, normal or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements, such as Interstate Storage and Release Agreements, and federal policies such as the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division State under Article II of the Decree, the payback by users within the state of obligations under Exhibit C of the Colorado River Water Delivery Agreement or the IOPP, and the total consumptive use within a state. The table demonstrates whether the total consumptive use is an underrun or overrun of the total amount of Colorado River water available to each Lower Division State in 2004.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE¹

07/21/06		(ACRE-FEET)		
STATE	ADJUSTMENTS	Ftns	TOTAL APPROVED USE	TOTAL ACTUAL USE
ARIZONA	Basic Apportionment	2	2,800,000	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV	3	10,000	10,000
	Validated Paybacks	4	0	0
	Total Available Colorado River Water	5	2,810,000	2,810,000
	Total Consumptive Use	6		2,784,645
	State Underrun or (Overrun)	7		25,355
	AZ II(B)(6) Released to NV			(3,006)
	Net State Underrun or (Overrun)			22,349
CALIFORNIA	Basic Apportionment	2	4,400,000	4,400,000
	NV II(B)(6) Released to CA for Storage for NV	3	10,000	10,000
	Exhibit C Paybacks	4	39,000	93,529
	Total Available Colorado River Water	5	4,371,000	4,316,471
	Total Consumptive Use	6		4,316,185
	State Underrun or (Overrun)	7		286
	LCWSP overpumping			(314)
	Unauthorized Agricultural Use			28
Net State Underrun or (Overrun)			0	
NEVADA	Basic Apportionment	2	300,000	300,000
	Direct Domestic Surplus Apportionment		17,700	0
	NV Created Unused Apportionment for storage		(20,000)	(20,000)
	Validated paybacks	4	0	0
	Total Available Colorado River Water	5	297,700	280,000
	Total Consumptive Use	6		283,006
	State Underrun or (Overrun)	7		(3,006)
	AZ II(B)(6) Released to NV			3,006
Net State Underrun or (Overrun)			0	

Footnotes:

- 1/ This section tabulates apportionments and releases to a state under Article II of the Decree in *Arizona v. California*, the payback obligations of water users within the state, and the total consumptive use of each state during the current year.
- 2/ The state basic apportionment as described in Article II(B)(1) of the Decree.
- 3/ The unused apportionment of Nevada created by conservation measures, made available to Arizona and California by the Secretary under Article II(B)(6) of the 1964 Decree for storage in Arizona or California under Interstate Storage and Release Agreements.
- 4/ The reduction in the amount of water available to users within the state through repayment obligations under the CRWDA or the IOPP.
- 5/ The total amount of Colorado River water available for use in the state in 2004.
- 6/ The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
- 7/ The difference between the Colorado River water available to the state and the state's actual consumptive use.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their present or anticipated needs. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located along the All-American Canal (AAC) in Imperial County and pump from an extensive mound of water that was formed by seepage from the AAC. Ground water from the wells is withdrawn and discharged into the AAC. Through a contract with Reclamation, Imperial Irrigation District is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles in annual amounts up to 3,500 acre-feet of the initial 5,000 acre-feet available. The contract with the City of Needles establishes a framework for the City of Needles to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) makes a recommendation as to whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City of Needles which then offers subcontracts.

Reclamation also entered into a contract to supply Project water to the Bureau of Land Management (BLM) in annual amounts up to 1,150 acre-feet. BLM may divert this water at any of several diversion points on the Colorado River in California.

In 2005 the final 350 acre-feet of the initial 5,000 acre-feet of constructed project capacity was committed for use at Federal facilities or on Federal lands adjacent to the Colorado River in California.

LOWER COLORADO WATER SUPPLY PROJECT
SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
CALENDAR YEAR 2004

		(ACRE-FEET)														
		07/21/06														
		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
WATER SUPPLY WELLFIELD PUMPAGE		1/	non-Federal	0	163	178	124	181	19	0	0	77	0	0	742	
			Federal	0	114	124	86	126	13	0	0	54	0	0	517	
			Total	0	277	302	210	307	32	0	0	131	0	0	1,259	
LCWSP NON-FEDERAL CONTRACTORS		2/														
City of Needles (on its own behalf)			Diversions	24	21	27	39	48	54	60	50	41	45	29	25	463
			CU	18	15	21	30	37	43	46	38	32	34	23	20	357
Havasu Water Company of California			Diversions	3	3	4	5	6	7	8	7	6	5	3	3	60
			CU	2	2	2	3	4	4	5	4	4	3	2	2	36
Pacific Gas & Electric Company			Diversions	0	0	4	5	4	5	4	5	4	5	4	6	46
			CU	0	0	4	5	4	5	4	5	4	5	4	6	46
Southern California Gas Company			Diversions	2	2	3	4	4	5	6	6	4	4	3	3	46
			CU	2	2	3	4	4	5	6	6	4	4	3	3	46
Needles Other Subcontractors			Diversions	8	10	14	15	18	22	24	23	18	15	11	10	188
			CU	5	6	8	9	11	13	14	14	11	9	7	6	113
Total non-Federal Subcontractors:			Diversions	37	36	52	68	80	93	102	91	73	74	50	47	803
			CU	27	25	39	51	60	70	75	67	54	55	38	37	598
Diff: Non-Federal Use and Wellfield Pumping		3/		-27	138	139	73	121	-51	-75	-67	23	-55	-38	-37	144
Previous Year Pumpage Balance		4/		4	5	7	7	9	11	12	11	9	7	5	5	92
Pumping Balance to be Carried Over to Following Year		5/		-23	143	146	80	130	-40	-63	-56	32	-48	-33	-32	236
LCWSP FEDERAL AGENCIES																
U.S. Bureau of Land Management		6/	Diversions	19	31	39	37	37	69	40	66	36	33	24	20	450
			Returns	8	14	17	16	16	31	18	30	16	15	11	9	201
Total of BLM Administered Water			CU	10	17	21	20	20	38	22	36	20	18	13	11	249
U.S. Bureau of Reclamation - Parker Dam and Government Camp			Diversions	10	5	9	13	17	16	19	22	17	17	10	10	165
			Returns	1	1	1	2	11	11	11	11	11	2	2	2	66
			CU	9	4	8	11	6	5	8	11	6	15	8	8	99
Total Federal Contractors:			CU	19	21	29	31	26	43	30	47	26	33	21	19	348
Difference: Federal Use and Wellfield Pumping		3/		-19	93	95	55	100	-30	-30	-47	28	-33	-21	-19	169
Previous Year Pumpage Balance		4/		0	6	14	20	19	21	24	27	16	6	0	4	157
Pumping Balance to be Carried Over to Following Year		5/		-19	99	109	75	119	-9	-6	-20	44	-27	-21	-15	326

Footnotes:

1/ Non-Colorado River water pumped from the Lower Colorado Water Supply Project (LCWSP) wellfield and delivered into the AAC for use by IID.

Pumpage reported separately for Federal and non-Federal contractors.

Note: each LCWSP contractor or subcontractor has a unique unmeasured return factor.

2/ LCWSP non-Federal subcontractors - Colorado River water use exchanged with LCWSP wellfield pumpage.

3/ Difference between the consumptive use of Colorado River water diverted and the amount of water pumped by the LCWSP wellfield.

4/ Balance from previous year. Over pumping (shown as a positive value) must be used, under pumping (negative) must be paid.

5/ Balance of LCWSP wellfield pumping from current and previous years. If the year end total is a positive value this amount is available to LCWSP contractors the next year.

If the year end total is a negative value this amount must be paid back in the form of additional wellfield pumping during the next year.

6/ Portion of the LCWSP allocated to the BLM - Colorado River water use exchanged with LCWSP wellfield pumpage.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division States has been further apportioned among the States of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division States must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in a separate section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events is depicted here. There were no transfers of Colorado River water within Arizona and Nevada during calendar year 2004.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use to the 2004 ISG Annual Target” demonstrates the impact of conservation and transfers on agricultural water use in California in 2004. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. There were no transfers or exchanges reported within the states of Arizona or Nevada during 2004. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

Comparison of Net California Agricultural Use to the 2004 ISG Annual Target ¹
CALENDAR YEAR 2004

7/21/06

Uses by California Agricultural Entities	Consumptive Uses Acre-Feet	Comments
Palo Verde Irrigation District	412,700	
Yuma Project Reservation Division	39,420	
Yuma Island Pumpers ²	7,995	CU = diversion minus unmeasured return = 14,457 x (1-0.447) = 7,995 af
Priorities 1, 2, 3b	460,115	
Coachella Valley Water District	318,616	
Imperial Irrigation District	2,743,909	
Total California Agricultural Use	3,522,640	
MWD Adjustments for Priority 1, 2, and 3b use	(40,115)	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
IID CRWDA Exhibit C Payback	40,665	IID and Reclamation disagree on the value of this number. It will be finalized once the dispute is resolved.
CVWD CRWDA Exhibit C Payback	19,957	
IID and CVWD reductions for PPRs	14,500	IID = 11,500 af, CVWD = 3,000 af.
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,557,647	Includes Total California Agricultural use + MWD Adjustment + IID/CVWD covered PPRs.
ISG Target Comparison		
2004 Agricultural Target	3,707,000	See Column 23 of Exhibit B of the CRWDA
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,557,647	
Total Target Underrun	149,353	
Priority 1, 2, and 3b Use Below or (Above) 420,000 af		
Palo Verde Irrigation District	412,700	
Yuma Project Reservation Division	39,420	
Yuma Island Pumpers	7,995	
Total Priority 1, 2, 3b Use	460,115	
MWD Adjustments for Priority 1, 2, and 3b use	(40,115)	

Footnotes:

1/ Section 5 of the Record of Decision of the Colorado River Interim Surplus Guidelines (ISG) FEIS defined an annual cap (during each third year) and the CRWDA defined annual targets during alternate years on the amount of water available for agricultural use in California
Footnotes 2 and 12 of Exhibit C (attached) defines net California agricultural use as all consumptive use of priorities 1 through 3 plus 14,500 af of PPR use less any Priority 1, 2, and 3b use in excess of 420,000 af covered by MWD

2/ Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; and is not an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2004
 STATE OF CALIFORNIA

TRANSFER TITLE OR PARTICIPATING AGENCIES	Ftnts	07/21/06 (ACRE-FEET)												TOTAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
WATER CONSERVATION PROGRAM IMPERIAL I. D./METROPOLITAN W. D. CONSERVED WATER	1/	8,492	8,492	8,492	8,492	8,492	8,492	8,492	8,492	8,492	8,492	8,492	8,492	8,492	101,900
MWD EXCHANGE WITH CVWD - IID CONSERVATION	2/	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	20,000
IID CONSERVATION FOR EXCHANGE WITH SDCWA	3/	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	35,000
SDCWA EXCHANGE WITH CVWD - MITIGATION	4/	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	14,359

Notes: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B, shown on page 43 of this report.
 Reclamation recognizes that the CRWDA allows each party to make water available or to divert water made available on their own schedule.
 Reclamation displays equal monthly values as an expedient to provide monthly amounts that sum to the total amount conserved, exchanged or transferred.

Footnotes:

- 1/ 1988 IID/MWD Water Conservation Program conserved water made available by Imperial Irrigation District for diversion in current year by MWD.
- 2/ MWD exchange with CVWD for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program. This exchange occurs at CVWD request.
- 3/ The CRWDA specified required conservation by IID for transfer to SDCWA. The 2004 CRWDA schedule called for 20,000 af conservation by IID for the SDCWA Transfer and another 10,000 af of conservation by IID for SDCWA Mitigation Transfer. IID was unable to conserve the SDCWA Mitigation Transfer component of 5,000 af in 2003, this has been added to the 2004 amount for a total conservation reduction for SDCWA of 35,000 af.
- 4/ IID conserved water made available to SDCWA. In an exchange between SDCWA and CVWD, SDCWA makes IID conserved water available to CVWD in exchange for non-Colorado River water.
 CVWD forebears Colorado River water in order to make non-Colorado River water available to the Salton Sea.

**EXHIBIT B
QUANTIFICATION AND TRANSFERS¹**
In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Calendar Year	Priority 1, 2 and 3b	IID Priority 3a										CVWD Priority 3a					Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	¹² ISG Benchmarks	¹² Annual Targets			
			IID Priority 3a Quantified Amount	Reductions								IID Reductions: Total Amount (sum of columns 4 through 11)	¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	Reductions			Additions		CVWD Net Consumptive Use Amount (columns 14-17 plus columns 18 + 19)				
				³ IID Reduction: MWD 1988 Agreement Transfer	⁴ IID Reduction: SDCWA Transfer	⁴ IID Reduction: AAC Lining IID, SDCWA & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁶ IID Reduction: MWD Transfer with Salton Sea Restoration	⁸ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs			⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁸ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD					
1	2003	420	3,100	110	10	0	5	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740
2	2004	420	3,100	110	20	0	10	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707
3	2005	420	3,100		30	0	15	0	0	0	11.5	56.5	3,043.5	330	0	3	3	0	20	347	3,825.0		3,674
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

¹ Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.

² Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.

³ IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.

⁴ Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.

⁵ Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.

⁶ Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.

⁷ MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.

⁸ IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.

⁹ Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.

¹⁰ For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.

¹¹ For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).

¹² All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.

¹³ Assumes SDCWA does not elect termination in year 35.

¹⁴ Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

WATER SUBJECT TO TEMPORARY RE-REGULATION CAPTURED AT THE REQUEST OF THE U. S. BUREAU OF RECLAMATION

Water from Colorado River system storage spilled or released for flood control purposes, or released to fill a water order but not then diverted by an entitlement holder, may flow to the NIB in excess of Treaty obligations with Mexico. Historically, this water has been subject to temporary re-regulation by Reclamation, for example, when it has been captured and held in Senator Wash Reservoir. Beginning in 1992, operation of Senator Wash Reservoir has been restricted due to dam safety concerns.

In August, October, and November of 2004, in response to heavy rainfall occurring in a watershed that is tributary to the lower Colorado River, Reclamation released water from Lake Havasu to protect the integrity of Parker Dam. Also, as a result of these rainstorms, Colorado River water ordered by entitlement holders and released from Hoover Dam was not diverted. In an effort to prevent a portion of these releases from being lost to beneficial use within the United States as excess flows to the NIB, and in light of the current storage capacity limitation at Senator Wash Reservoir, Reclamation sought to effect the temporary re-regulation of this water. This water could not otherwise have been stored by Reclamation works or taken by a water user under a Colorado River entitlement.

In 2004, a portion of this water was captured and stored by a water user at the specific request of Reclamation to permit the beneficial use of that water within the United States. This

temporarily re-regulated water, under the terms of the agreement entered into between Reclamation and the water user, will be fully restored to Colorado River system storage in future years.

The water user's efforts in assisting Reclamation in the temporary re-regulation of water served to prevent that water from being lost to beneficial use in the United States. Reclamation recognizes the water user's efforts as a form of extraordinary conservation and has credited the water user with an amount equal to 25% of the quantity captured and stored at Reclamation's specific request. The water user will be permitted to use these credits to satisfy specified payback obligations.

Description of Table

The tabulation titled "Water Subject to Temporary Re-Regulation" displays the amount of water captured for temporary re-regulation by a water user under a written agreement with Reclamation. It includes the amount of water restored to system storage, and the amount of extraordinary conservation credits available to the water user to meet specified payback obligations.

WATER SUBJECT TO TEMPORARY RE-REGULATION ¹
 CALENDAR YEAR 2004

7/21/2006

(ACRE-FEET)

		Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CALIFORNIA															
IMPERIAL IRRIGATION DISTRICT ²															
	CAPTURED FOR RE-REGULATION	3	0	0	0	0	0	0	0	904	0	11,698	4,172	0	16,774
	NET RE-REGULATORY CAPTURE	4	0	0	0	0	0	0	0	867	0	11,106	3,907	0	15,880
	BALANCE - PREVIOUS YEARS	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	RESTORED TO SYSTEM STORAGE	6	0	0	0	0	0	0	0	0	0	0	0	0	0
	EOY CAPTURE BALANCE	7	0	0	0	0	0	0	0	867	0	11,106	3,907	0	15,880
	BOY ACCRUED CREDIT	8	0	0	0	0	0	0	0	217	0	2,776	977	0	3,970
	APPLIED TO PAYBACK OBL.	9	0	0	0	0	0	0	0	217	0	2,776	977	0	3,970
	EOY ACCRUED CREDIT BALANCE	10	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA TOTALS															
	CAPTURED FOR RE-REGULATION	3	0	0	0	0	0	0	0	904	0	11,698	4,172	0	16,774
	NET RE-REGULATORY CAPTURE	4	0	0	0	0	0	0	0	867	0	11,106	3,907	0	15,880
	BALANCE - PREVIOUS YEARS	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	RESTORED TO SYSTEM STORAGE	6	0	0	0	0	0	0	0	0	0	0	0	0	0
	EOY CAPTURE BALANCE	7	0	0	0	0	0	0	0	867	0	11,106	3,907	0	15,880
	BOY ACCRUED CREDIT	8	0	0	0	0	0	0	0	217	0	2,776	977	0	3,970
	APPLIED TO PAYBACK OBL.	9	0	0	0	0	0	0	0	217	0	2,776	977	0	3,970
	EOY ACCRUED CREDIT BALANCE	10	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

- 1/ The temporary re-regulation of river water, otherwise flowing to Mexico in excess of treaty requirements, may be effected at the request of Reclamation through the capture and temporary storage of this water.
- 2/ IID has entered into an agreement with Reclamation for temporary re-regulation of certain Colorado River water. Under this agreement IID effected capture of Colorado River water released from system storage that would otherwise have flowed to Mexico in excess of Treaty obligations and conveyed this water to the Salton Sea for temporary storage.
- 3/ Total amount of water captured from the river in 2004 to effect temporary re-regulation. This is part of the total flow in the All American Canal as measured at Station 60. The gage at Station 60 reflects diversions plus captured re-regulatory water plus mitigation water deliveries, through exchange, to the Salton Sea.
- 4/ The net amount of water captured from the river to effect temporary re-regulation of water, as measured at Station 1117 of the All American Canal.
- 5/ Balance of accumulated re-regulatory storage from previous years. This would occur in the event Reclamation requests re-regulatory capture in successive years.
- 6/ The amount of captured re-regulatory water restored to system storage during the calendar year. Use of this water is accounted as a CU by the entity that would otherwise have used water from the Colorado River.
- 7/ Net capture less re-regulatory water restored to system storage in 2004.
- 8/ IID engaged in extraordinary conservation by assisting Reclamation in the temporary re-regulation of Colorado River water that would otherwise be lost to beneficial use in the United States. Reclamation credited IID in an amount equal to 25% of the re-regulated water captured. IID may apply these extraordinary conservation credits towards payback of CRWDA, Exhibit C obligations.
- 9/ The amount of accrued extraordinary conservation credits applied toward the repayment of CRWDA, Exhibit C obligations.
- 10/ The amount of accrued extraordinary conservation credits remaining at the end of the calendar year. Calculated as the BOY accrued credit balance less any extraordinary conservation credit used for payback during this calendar year.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2004

These documents are provided to give the reader an opportunity to read the agreements, regulations and operating plans which impacted the U.S. Bureau of Reclamation's delivery of Colorado River water during 2004.

The document titles contained in the following list are located on a compact disk (CD) in the pocket provided on the back cover of this report. These electronically filed documents are in Adobe (PDF) format. Following each title below is a brief description of each document's contents and a file name where that document may be found on the CD. The file names are printed exactly as they appear on the CD however, due to the large file size of some reports, the CD may contain only the summary. The acronyms used below are defined in the Acronyms and Abbreviated Terms page at the beginning of this report. Those seeking additional information are encouraged to log on to the following website where the entire file(s) can be viewed and the complete PDF file can be downloaded: www.usbr.gov/lc/region/g4000/wtracct.html.

REPORTS:

2004 Annual Operating Plan (AOP) Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2004 given current and anticipated conditions

- CD file name: 2004 AOP Executive Summary

Interstate Stream Commission Report for 2004

Report provided by the New Mexico Interstate Stream Commission detailing diversions and consumptive use of water diverted from the San Francisco River, Gila River and San Simon Creek in the State of New Mexico for calendar year 2004.

- CD file name: Interstate Stream Commission Report 2004

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2004 (cont.)**

AGREEMENTS:

The Colorado River Water Delivery Agreement: Federal Quantification Settlement Agreement (QSA)

Water delivery agreement between the United States, IID, CVWD, MWD and SDCWA. This agreement quantifies the consumptive use allowances for the aforementioned water users. The document also addresses terms and conditions of water deliveries.

- CD file name: CRWDA 10-20-03

The Inadvertent Overrun and Payback Policy (IOPP)

Terms and conditions for repaying inadvertent overruns of Colorado River water.

- CD file name: Inadvertent Overrun and Payback Policy

The Storage and Interstate Release Agreement (SIRA)

Water Banking Agreement between AWBA, SNWA and the CRC of NV. This agreement allows SNWA to acquire long-term water storage credits that are to be held by AWBA. These credits can be exchanged in a later year for Colorado River water made available when users in Arizona develop ICUA.

- CD file name: Storage and Interstate Release Agreement

Re-Regulation Letter Agreement – USBR/IID

Letter Agreement between Reclamation and IID. This agreement allows IID to capture excess flows from the Colorado River on a temporary basis to assist Reclamation in reducing the amount of water passing to Mexico in excess of Treaty requirements.

- CD file name: IID Re-Regulation Agreement

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2004 (cont.)**

LETTERS:

Letter from MWD reporting water stored under the 2004 Storage and Interstate Release Agreement

- CD file name: 2004 MWD SIRA 2005-09-14

Letters from AWBA to Reclamation regarding 2004 banking activities

- CD file name: AWBA Approval to Bank Water for SNWA 2004-09-20
- CD file name: AWBA Verification of 2004 LTSC 2005-07-14

Letter from SNWA to AWBA requesting to store water in Arizona

- CD file name: SNWA Water Banking Request AZ 2004-9-7

Letter from SNWA to MWD requesting to store water in California

- CD file name: SNWA Water Banking Request CA 2004-11-18

Letter to SNWA by Reclamation approving water to be released for banking in Arizona

- CD file name: Release Approval for NV Water Banking 2004-10-08

Letter from IID to SDCWA and CVWD concerning Salton Sea mitigation water

- CD file name: IID to SDCWA and CVWD mitigation 2004-02-26

Letters from Reclamation to IID, CVWD validating Exhibit C payback amounts

- CD file names: 2004 IID Exhibit C Payback Verification 2005-10-05
2004 CVWD Exhibit C Payback Verification 2005-04-13
2004 MWD Revision Approval 2004-07-12

MAPS:

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations.

- CD file name: USGS Pump Maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2005



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2005

Prepared by

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

Corrected Version

December 2006

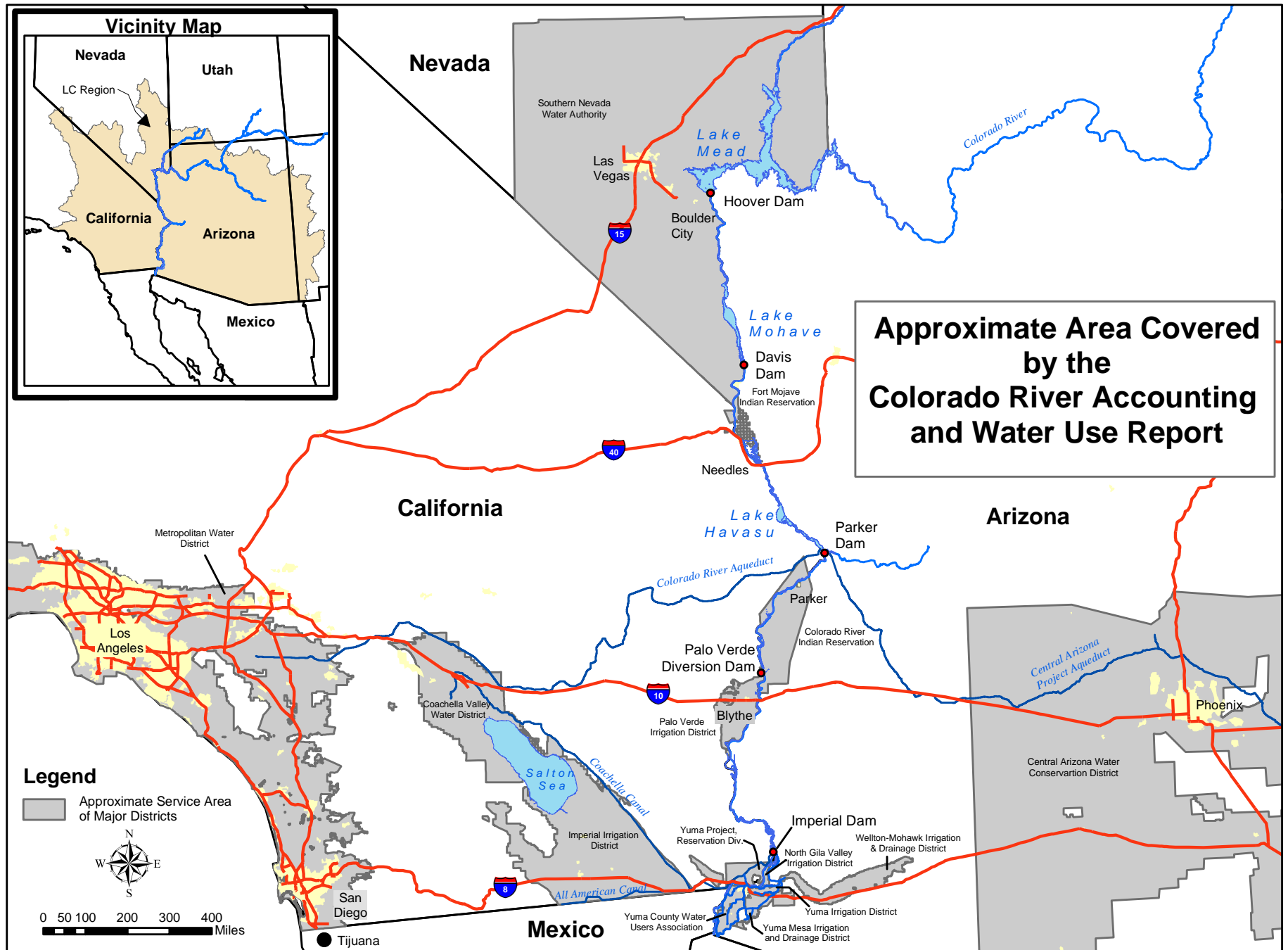


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Acronyms and Abbreviated Terms

These acronyms and abbreviations will be found in the text, footnotes, and headings within this document.

AAC	All-American Canal	FYIR	Fort Yuma Indian Reservation
af	acre-feet, unit of water measurement	GGMC	Gila Gravity Main Canal
ADP	Arizona diesel pump	ICUA	intentionally created unused apportionment
ADW	Arizona diesel well	I.D.D.	irrigation and drainage district
AEP	Arizona electric pump	IBWC	International Boundary and Water Commission
AEW	Arizona electric well	IID	Imperial Irrigation District
ALTSC	accumulated long term storage credit	IOPP	Inadvertent Overrun and Payback Policy
AOP	Annual Operating Plan	ISG	Colorado River Interim Surplus Guidelines
APS	Arizona Public Service	IUS	Interstate Underground Storage credits
ASLD	Arizona State Land Department	kaf	Kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning of year	LLC	Limited Liability Company
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CDP	California diesel pump	MWD	The Metropolitan Water District of Southern California
CDW	California diesel well	MOD	Main Outlet Drain
CDEW	California diesel electric well	MODE	Main Outlet Drain Extension
CEP	California electric pump	MEAS.	Measured (as in Measured Returns)
CEW	California electric well	M&I	municipal and industrial
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CRBC	Colorado River Board of California	PG & E	Pacific Gas and Electric Company
CRCN	Colorado River Commission of Nevada	PVID	Palo Verde Irrigation District
CRIT	Colorado River Indian Tribes	PWR	Power
CRWDA	Colorado River Water Delivery Agreement	QSA	Quantification Settlement Agreement
CU	consumptive use	SCE	Southern California Edison Company
CVWD	Coachella Valley Water District	SIRA	Storage and Interstate Release Agreement
CY	calendar year	SDCWA	San Diego County Water Authority
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	S.S.	Salton Sea
DPOC	drainage pump outlet channel	USBR	United States Bureau of Reclamation
ET	evapotranspiration	USGS	United States Geological Survey
EOY	end of year	UNMEAS.	unmeasured (as in unmeasured returns)
FEIS	Final Environmental Impact Statement	YAO	Yuma Area Office (USBR)
Ftns	Footnotes (used as a column heading)	YFO	Yuma Field Office (BLM)

S U M M A R Y
CONSUMPTIVE USE OF COLORADO RIVER WATER BY STATE, LCWSP, RESERVOIR CONTENTS, AND SIRA
CALENDAR YEAR 2005

12/17/06		(ACRE-FEET)													
Ftns		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
LOWER BASIN STATES WATER USE SUMMARY															
ARIZONA		179,126	77,532	124,148	306,792	310,533	246,977	231,592	177,550	220,041	229,691	209,252	115,235	2,428,469	
CALIFORNIA		100,485	132,078	337,760	473,454	511,763	523,274	537,968	422,475	428,019	349,081	314,286	213,615	4,344,258	
NEVADA		9,898	9,040	16,160	22,989	35,867	33,167	37,710	32,082	30,804	28,911	20,456	14,694	291,778	
TOTAL CONSUMPTIVE USE, LOWER BASIN STATES		289,509	218,650	478,068	803,235	858,163	803,418	807,270	632,107	678,864	607,683	543,994	343,544	7,064,505	
MEXICO IN SATISFACTION OF TREATY		128,111	152,979	204,112	197,528	104,228	109,271	121,598	97,713	89,308	74,789	98,764	121,599	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC		9,379	8,089	9,305	9,625	9,990	9,528	9,289	8,375	8,957	10,070	9,591	6,228	108,426	
TO MEXICO IN EXCESS OF SCHEDULE		12,588	33,278	11,511	1,654	9,269	467	2,397	20,556	2,863	15,930	978	4,851	116,342	
TOTAL CU, LOWER BASIN STATES AND MEXICO		2/ 439,587	412,996	702,996	1,012,042	981,650	922,684	940,554	758,751	779,992	708,472	653,327	476,222	8,789,273	
LCWSP PUMPING SUMMARY															
3/ NON-FEDERAL		0	0	0	0	0	0	0	0	150	388	153	0	691	
FEDERAL		0	0	0	0	0	0	0	0	75	194	76	0	345	
TOTAL		0	0	0	0	0	0	0	0	225	582	229	0	1,036	
RESERVOIR CONTENTS SUMMARY (Thousand Acre-Feet)															
		DEC 2004	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
4/ LOWER BASIN TOTAL STORAGE		16,548	17,337	18,075	18,460	18,164	17,901	17,707	17,536	17,651	17,346	17,175	17,016	17,344	796
5/ LOWER BASIN STORAGE PLUS LAKE POWELL		25,212	25,818	26,340	26,475	26,702	28,410	30,067	29,954	29,673	29,285	29,191	28,993	28,920	3,708
OFFSTREAM INTERSTATE STORAGE SUMMARY															
			B.O.Y. Balance		2005 Storage		E.O.Y. Balance								
6/ WATER STORED IN AZ FOR THE BENEFIT OF NV & CA			125,260		111,806		237,066								
CALIFORNIA			80,909		0		80,909								
7/ WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV			10,000		10,000		20,000								

Note to Reader: each section of this report and each division within a section, has its own sequence of footnotes.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Sum of Total Consumptive Use in the Lower Basin, Deliveries to Mexico in Satisfaction of Treaty, Bypass Pursuant to IBWC Minute No. 242 and water passing to Mexico in excess of schedule.
- 3/ Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.
- 4/ Sum of End of Month storage in Lakes Mead, Mohave and Havasu (Lower Basin).
- 5/ Sum of End of Month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
- 6/ Final verified total of Accumulated Long-Term Storage Credits reported by Arizona Water Banking Authority.
- 7/ In 2004 MWD, SNWA and the Secretary of the Interior entered into a Storage and Interstate Release Agreement to allow MWD to divert and store water for the benefit of SNWA.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2005

	12/17/06	(THOUSAND ACRE-FEET)													
	Ftnts DEC 2004	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CY CHANGE	
END OF MONTH ACTIVE CONTENTS:															
LAKE POWELL		8,664	8,481	8,265	8,015	8,538	10,509	12,360	12,418	12,022	11,939	12,016	11,977	11,576	2,912
PERCENTAGE OF POWELL ACTIVE STORAGE	3/	35.6%	34.9%	34.0%	33.0%	35.1%	43.2%	50.8%	51.1%	49.4%	49.1%	49.4%	49.2%	47.6%	
LAKE MEAD		14,355	15,119	15,739	16,220	15,869	15,593	15,441	15,288	15,351	15,219	15,078	14,896	15,131	776
LAKE MOHAVE		1,633	1,659	1,723	1,689	1,709	1,722	1,684	1,672	1,730	1,573	1,527	1,538	1,634	1
LAKE HAVASU		560	559	613	551	586	586	582	576	570	554	570	582	579	19
STORAGE IN LOWER BASIN	4/	16,548	17,337	18,075	18,460	18,164	17,901	17,707	17,536	17,651	17,346	17,175	17,016	17,344	796
PERCENTAGE OF CO. RIVER ACTIVE STORAGE IN THE LOWER BASIN	5/	58.5%	61.2%	63.9%	65.2%	64.2%	63.2%	62.6%	62.0%	62.4%	61.3%	60.7%	60.1%	61.3%	
LOWER BASIN STORAGE PLUS LAKE POWELL	6/	25,212	25,818	26,340	26,475	26,702	28,410	30,067	29,954	29,673	29,285	29,191	28,993	28,920	3,708
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL	7/	47.9%	49.1%	50.0%	50.3%	50.7%	54.0%	57.1%	56.9%	56.4%	55.6%	55.5%	55.1%	55.0%	
TOTAL SYSTEM STORAGE	8/	29,790	30,413	30,964	31,195	31,688	33,798	35,828	35,798	35,445	34,938	34,782	34,570	34,433	4,643
PERCENTAGE OF TOTAL SYSTEM STORAGE	9/	50.2%	51.2%	52.1%	52.5%	53.4%	56.9%	60.3%	60.3%	59.7%	58.8%	58.6%	58.2%	58.0%	

Footnotes:

- 1/ Values may differ from figures shown due to rounding and display to the nearest thousand acre feet.
 - 2/ CY change is the difference in end of month storage between December of the previous year and December of the reporting year.
 A positive value represents an increase in water in storage, and a negative value indicates a decrease in water in storage.
 - 3/ Percentage of total active storage capacity available in Lake Powell. Based on total active storage of 24,322,000 af.
 - 4/ The sum of end-of-month storage in Lakes Mead, Mohave and Havasu.
 - 5/ The percentage of total active storage capacity available in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on total active storage of 28,306,000 af.
 - 6/ The sum of end-of-month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
 - 7/ The percentage of total active storage capacity available in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active storage of 52,628,000 af
 - 8/ Total end-of-month system storage, includes USBR reservoirs in Upper and Lower basins of the Colorado River.
 - 9/ The percentage of total end-of-month system storage. This includes Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active system storage of 59,383,000 af.
- For purposes of this tabulation, the term "active storage" is equivalent to live storage, and refers to the volume of water that can be delivered downstream via gravity flow.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

ARTICLE V OF THE DECREE

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE DECREE
OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

The following tabulation for calendar year 2005 shows the final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams, the records are furnished by the U.S. Geological Survey based on measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

CALENDAR YEAR 2005

STRUCTURE	12/17/06 Ftnts	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GLEN CANYON DAM		776,745	720,028	802,770	526,100	597,081	781,520	850,106	871,894	496,488	513,656	513,831	801,357	8,251,576
HOOVER DAM		337,300	341,500	427,200	1,023,000	1,008,000	899,200	974,900	795,300	623,100	640,100	674,700	529,500	8,273,800
DAVIS DAM		291,500	272,500	472,600	1,039,000	1,031,000	980,000	1,051,000	795,700	845,600	774,500	739,300	496,400	8,789,100
PARKER DAM		256,100	271,500	596,400	675,800	702,700	740,500	851,100	634,300	538,400	428,400	377,000	297,700	6,369,900
HEADGATE ROCK DAM	1/	250,450	264,610	555,990	602,870	628,910	664,230	773,730	564,540	478,470	388,240	350,300	271,580	5,793,920
PALO VERDE DAM		230,900	238,300	475,900	509,200	490,000	479,700	543,200	419,600	416,200	361,700	321,000	248,700	4,734,400
IMPERIAL DAM	2/	39,120	40,630	29,820	27,680	27,210	24,580	30,270	42,920	27,770	35,120	19,380	23,960	368,460
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		600	625	738	716	776	839	853	676	655	645	869	682	8,674
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		39,720	41,255	30,558	28,396	27,986	25,419	31,123	43,596	28,425	35,765	20,249	24,642	377,134
LAGUNA DAM		39,830	47,950	35,080	32,650	31,160	27,320	33,970	36,920	24,990	28,860	27,390	32,370	398,490

Footnotes:

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

2/ Represents flow below Imperial Dam, does not include diversions through the All American Canal (AAC) and the Gila Gravity Main Canal (GGMC).

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V (B) OF THE DECREE
OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL.
DATED MARCH 9, 1964**

The following tabulations for calendar year 2005 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each State. The records were furnished by the U.S. Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation (Reclamation), National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each State. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream and consumptive use are also listed for points of diversion and return when that information is available.

The second tabulation for each State, titled "Supplemental Use Tabulation," shows quantities of water pumped from the

mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For USGS reported wells and pumps, the diversions were determined as follows: (1) for most electric pumps, diversions were computed on an annual basis from power records and a "kilowatt-hour per acre-foot pumped factor" determined by discharge measurement; (2) for pumps without flow meters or where power records are not available, a consumptive use factor of 6.25 acre-feet per irrigated acre of land per year was used.

Unmeasured returns have been computed by multiplying measured diversions by a return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records referenced in Article V of the Decree of the Supreme Court in Arizona v. California et al. The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice any error or omission, please report it to the contact person listed on the cover page.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF ARIZONA

WATER USER	Ftns	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
12/17/06														
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)														
	DIVERSION	1	1	2	3	7	7	11	10	11	8	6	3	70
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	2	3	7	7	11	10	11	8	6	3	70
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)														
	DIVERSION	8	8	8	13	16	20	29	29	21	18	12	9	191
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	8	8	8	13	16	20	29	29	21	18	12	9	191
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM														
	DIVERSION	1	1	1	1	2	1	2	2	2	2	2	1	18
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	1	2	1	2	2	2	2	2	1	18
BULLHEAD CITY PUMPED FROM WELLS														
DIVERSION AT DAVIS DAM, MOHAVE CO. PARKS														
	DIVERSION	619	525	684	785	1,097	1,022	1,142	1,100	984	1,041	818	1,001	10,818
	DIVERSION	4	2	5	6	9	15	12	10	12	9	7	6	97
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	206	174	227	261	365	342	381	366	329	347	272	332	3,602
	CONSUMPTIVE USE	417	353	462	530	741	695	773	744	667	703	553	675	7,313
MOHAVE WATER CONSERVATION DIST. PUMPED FROM WELLS														
	DIVERSION	50	48	65	74	81	104	91	85	106	81	83	77	945
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	17	16	21	24	27	34	30	28	35	27	27	25	311
	CONSUMPTIVE USE	33	32	44	50	54	70	61	57	71	54	56	52	634
BROOKE WATER LLC PUMPED FROM RIVER														
	DIVERSION	25	24	33	34	44	45	51	46	43	37	33	29	444
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	8	8	11	11	15	15	17	15	14	12	11	10	147
	CONSUMPTIVE USE	17	16	22	23	29	30	34	31	29	25	22	19	297
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS														
PUMPED FROM TOPOCK MARSH INLET														
	DIVERSION	419	214	1,762	3,834	3,951	5,602	3,469	2,806	4,114	1,870	1,530	2,358	31,929
	DIVERSION	0	0	0	33	0	32	37	78	156	41	20	0	397
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	193	98	811	1,779	1,817	2,592	1,613	1,327	1,964	879	713	1,085	14,871
	CONSUMPTIVE USE	226	116	951	2,088	2,134	3,042	1,893	1,557	2,306	1,032	837	1,273	17,455
FORT MOJAVE INDIAN RESERVATION														
	2/ DIVERSION	1,370	2,242	5,344	6,707	8,854	10,004	8,725	8,257	11,739	4,643	3,010	1,469	72,364
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	630	1,031	2,458	3,085	4,073	4,602	4,014	3,798	5,400	2,136	1,385	676	33,288
	CONSUMPTIVE USE	740	1,211	2,886	3,622	4,781	5,402	4,711	4,459	6,339	2,507	1,625	793	39,076
GOLDEN SHORES WATER CONSERVATION DIST. PUMPED FROM WELLS														
	3/ DIVERSION	24	31	42	45	55	67	73	70	55	46	33	32	573
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	8	10	14	15	18	22	24	23	18	15	11	11	189
	CONSUMPTIVE USE	16	21	28	30	37	45	49	47	37	31	22	21	384
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK MARSH INLET														
FARM DITCH														
PUMPED BY ONE WELL IN THE FLOODPLAIN														
	4/ DIVERSION	10	270	350	5,697	5,239	4,641	4,377	1,913	2,532	1,922	908	33	27,892
	DIVERSION	0	0	100	1,056	975	905	1,085	437	678	458	296	0	5,990
	MEAS. RETURNS	11	9	15	17	21	25	27	26	21	17	12	12	213
	MEAS. RETURNS	0	0	0	0	0	0	0	30	12	14	14	16	86
	UNMEAS. RETURNS	18	246	409	5,958	5,487	4,902	4,830	2,064	2,833	2,097	1,058	26	29,928
	CONSUMPTIVE USE	3	33	56	812	748	669	659	282	386	286	144	3	4,081

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF ARIZONA

		12/17/06	(ACRE-FEET)											TOTAL 1/	
WATER USER	Ftns		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LAKE HAVASU I.D.D. (CITY) DISTRICT PUMPED FROM WELLS		DIVERSION	981	925	1,097	1,122	1,220	1,293	1,342	1,148	947	813	930	969	12,787
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	373	352	417	426	464	491	510	436	360	309	353	368	4,859
		CONSUMPTIVE USE	608	573	680	696	756	802	832	712	587	504	577	601	7,928
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU WATER DIVERTED TO STORAGE FOR SNWA		DIVERSION	175,165	67,750	21,387	160,159	158,086	95,713	78,622	47,575	79,074	120,131	134,783	60,885	1,199,330
		DIVERSION	0	0	0	3,430	5,214	5,984	12,142	18,709	27,418	20,004	12,278	15,362	120,541
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	175,165	67,750	21,387	163,589	163,300	101,697	90,764	66,284	106,492	140,135	147,061	76,247	1,319,871
TOWN OF PARKER PUMPED FROM 1 MUNICIPAL WELL	5/	DIVERSION	42	38	51	70	87	101	114	84	91	73	60	49	860
		MEAS. RETURNS	26	23	22	22	22	21	23	23	22	21	21	21	267
		UNMEAS. RETURNS	12	11	15	20	25	29	32	24	26	21	17	14	246
		CONSUMPTIVE USE	4	4	14	28	40	51	59	37	43	31	22	14	347
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 PUMPS AND MUNICIPAL	6/	DIVERSION	5,650	6,890	40,410	72,930	73,790	76,270	77,370	69,760	59,930	40,160	26,700	26,120	575,980
		DIVERSION	94	84	111	155	193	221	248	185	198	160	132	109	1,890
		MEAS. RETURNS	12,128	10,440	13,587	19,625	20,854	20,746	21,556	21,652	21,145	21,197	17,521	16,523	216,974
		UNMEAS. RETURNS	316	384	2,229	4,020	4,069	4,207	4,269	3,847	3,307	2,218	1,476	1,443	31,785
		CONSUMPTIVE USE	-6,700	-3,850	24,705	49,440	49,060	51,538	51,793	44,446	35,676	16,905	7,835	8,263	329,111
EHRENBURG IMPROVEMENT ASSN.		DIVERSION	29	20	37	37	46	48	50	45	46	40	32	31	461
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	8	6	11	11	13	14	14	13	13	11	9	9	132
		CONSUMPTIVE USE	21	14	26	26	33	34	36	32	33	29	23	22	329
CIBOLA VALLEY CIBOLA VALLEY IRRIGATION DISTRICT MOHAVE COUNTY WATER AUTHORITY HOPI TRIBE		DIVERSION	109	133	998	732	1,602	1,967	2,130	1,181	1,456	950	1,228	938	13,424
		DIVERSION	13	0	539	233	794	837	1,105	660	827	710	516	423	6,657
		DIVERSION	0	0	539	175	731	949	874	481	631	870	761	736	6,747
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	35	38	592	325	891	1,070	1,171	662	830	721	714	598	7,647
		CONSUMPTIVE USE	87	95	1,484	815	2,236	2,683	2,938	1,660	2,084	1,809	1,791	1,499	19,181
CIBOLA NATIONAL WILDLIFE REFUGE PUMPED FROM 3 PUMPS		DIVERSION	552	195	566	946	967	852	1,175	839	1,340	1,540	1,224	791	10,987
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	210	74	215	359	367	324	447	319	509	585	465	301	4,175
		CONSUMPTIVE USE	342	121	351	587	600	528	728	520	831	955	759	490	6,812
IMPERIAL NATIONAL WILDLIFE REFUGE PUMPED FROM 4 PUMPS	3/	DIVERSION	93	52	72	125	166	247	145	231	202	107	214	263	1,917
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	35	20	27	48	63	94	55	88	77	41	81	100	729
		CONSUMPTIVE USE	58	32	45	77	103	153	90	143	125	66	133	163	1,188
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS W, X, Y, Z	3/	DIVERSION	0	0	0	0	0	0	0	0	4	0	1	0	5
		DIVERSION	11	11	9	34	69	77	81	88	136	23	36	20	595
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	11	11	9	34	69	77	81	88	140	23	37	20	600
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM *Use from ASLD lease has been deducted.		DIVERSION	159	446	509	690	885	1,296	1,175	809	886	615	513	556	8,539
		MEAS. RETURNS	25	66	-34	72	41	42	43	57	77	20	22	121	552
		UNMEAS. RETURNS	60	169	193	262	336	492	447	307	337	234	195	211	3,243
		CONSUMPTIVE USE	74	211	350	356	508	762	685	445	472	361	296	224	4,744

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF ARIZONA

WATER USER	Ftnts	12/17/06												TOTAL 1/
		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WELLTON MOHAWK I. & D. D.														
DIVERSION AT IMPERIAL DAM														
		8,662	10,026	32,501	39,625	45,487	46,824	44,577	30,781	39,743	30,533	25,635	17,976	372,370
		1,521	1,641	0	0	2,340	1,708	1,806	2,433	3,856	1,138	1,254	4,277	21,974
		554	0	0	0	0	0	0	460	389	440	411	1,049	3,303
	7/	9,510	8,450	10,090	9,770	9,780	9,950	10,050	9,070	9,170	9,850	8,780	6,300	110,770
		11,585	10,091	10,090	9,770	12,120	11,658	11,856	11,963	13,415	11,428	10,445	11,626	136,047
		0	0	0	0	0	0	0	0	0	0	0	0	0
		-2,923	-65	22,411	29,855	33,367	35,166	32,721	18,818	26,328	19,105	15,190	6,350	236,323
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)		2,015	1,824	1,863	2,148	2,541	2,503	3,023	2,916	2,946	2,441	2,157	2,146	28,523
DIVERSION AT IMPERIAL DAM (GILA)		0	0	0	0	0	0	0	0	0	0	0	17	17
PUMP DIVERSION FOR YUMA EAST WETLANDS		0	0	0	0	0	0	0	3	3	3	65	64	138
MWD DESALTING STUDY		0	0	0	0	0	0	0	5	12	11	9	9	46
		987	1,092	895	861	899	591	895	974	1,067	1,055	979	1,061	11,356
		0	0	0	0	0	0	0	1	1	1	23	22	48
		1,028	732	968	1,287	1,642	1,912	2,128	1,949	1,893	1,399	1,229	1,153	17,320
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM		68	58	86	116	178	226	203	225	177	195	123	134	1,789
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		68	58	86	116	178	226	203	225	177	195	123	134	1,789
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM		4	4	4	4	4	4	4	4	4	4	4	4	48
		0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	24
		2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSN.														
DIVERSION AT IMPERIAL DAM		0	0	0	0	0	0	0	0	0	0	0	1	1
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	1	1
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM (WARREN ACT)		43	52	48	45	72	75	76	66	60	0	0	0	537
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		43	52	48	45	72	75	76	66	60	0	0	0	537
YUMA UNION HIGH SCHOOL														
DIVERSION AT IMPERIAL DAM		15	15	13	15	22	35	16	22	21	9	14	15	212
		0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	3	4	6	9	4	6	5	2	4	4	55
		11	11	10	11	16	26	12	16	16	7	10	11	157
CAMILLE, ALEC. JR.														
DIVERSION AT IMPERIAL DAM (WARREN ACT)		0	0	0	1	0	0	0	0	0	0	0	0	1
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	1	0	0	0	0	0	0	0	0	1
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM		0	0	11	8	21	20	20	18	23	13	5	1	140
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	3	2	6	6	6	5	7	4	2	0	41
		0	0	8	6	15	14	14	13	16	9	3	1	99

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF ARIZONA

WATER USER	Ftns	12/17/06												TOTAL 1/	
		(ACRE-FEET)													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
NORTH GILA VALLEY IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	1,782	1,654	4,138	3,920	5,249	4,243	5,047	3,057	3,997	5,055	3,416	3,269	44,827
		MEAS. RETURNS	1,306	1,212	2,120	2,009	2,742	2,322	2,678	2,092	2,489	2,801	2,122	2,384	26,277
		UNMEAS. RETURNS	244	227	567	537	719	581	691	419	548	693	468	448	6,142
		CONSUMPTIVE USE	232	215	1,451	1,374	1,788	1,340	1,678	546	960	1,561	826	437	12,408
YUMA IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	2,769	3,368	6,271	7,038	6,877	5,377	5,700	4,046	5,802	6,277	5,000	5,400	63,925
PUMPED FROM PRIVATE WELLS	9/	DIVERSION	40	37	283	224	147	39	48	163	118	48	10	16	1,173
	10/	DELIVERED BY YID	93	117	160	172	211	254	278	269	211	176	125	121	2,187
		MEAS. RETURNS	1,219	1,414	1,148	1,251	1,647	1,168	1,215	1,146	1,664	1,425	1,291	2,531	17,119
SURFACE RETURNS	9/	MEAS. RETURNS	26	32	44	47	58	70	77	74	58	48	34	34	602
PUMPED FROM WELLS		UNMEAS. RETURNS	598	725	1,396	1,547	1,496	1,154	1,224	897	1,261	1,347	1,067	1,154	13,866
		CONSUMPTIVE USE	873	1,117	3,806	4,245	3,612	2,770	2,954	1,823	2,726	3,329	2,493	1,576	31,324
YUMA MESA I. D. D.															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	7,359	6,190	13,467	15,299	22,563	25,266	24,873	24,210	23,829	13,755	11,582	9,883	198,276
		MEAS. RETURNS	5,562	5,286	865	1,265	2,164	6,673	8,308	7,248	9,056	5,388	3,556	6,210	61,581
		UNMEAS. RETURNS	1,177	990	2,155	2,448	3,610	4,043	3,980	3,874	3,813	2,201	1,853	1,581	31,725
		CONSUMPTIVE USE	620	-86	10,447	11,586	16,789	14,550	12,585	13,088	10,960	6,166	6,173	2,092	104,970
UNIT "B" I. D. D.															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	929	557	1,736	2,249	2,105	2,210	2,907	3,133	2,914	1,972	1,873	1,359	23,944
	8/	MEAS. RETURNS	934	819	153	223	252	1,066	1,385	1,159	1,432	928	616	980	9,947
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	-5	-262	1,583	2,026	1,853	1,144	1,522	1,974	1,482	1,044	1,257	379	13,997
YUMA COUNTY WATER USERS ASSOCIATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	14,449	14,546	37,991	42,076	36,191	27,134	26,651	20,314	24,960	43,233	30,576	22,435	340,556
PUMPED FROM WELLS		DIVERSION	570	255	151	678	117	88	154	1,363	63	57	298	83	3,877
		MEAS. RETURNS	7,514	6,636	9,293	10,287	11,726	7,679	7,317	5,823	7,467	12,996	11,917	10,888	109,543
		UNMEAS. RETURNS	315	311	801	898	762	572	563	455	525	909	648	473	7,232
		CONSUMPTIVE USE	7,190	7,854	28,048	31,569	23,820	18,971	18,925	15,399	17,031	29,385	18,309	11,157	227,658
COCOPA INDIAN RESERVATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	26	177	478	154	219	490	753	0	187	445	338	374	3,641
PUMPED FROM WELLS	11/	DIVERSION	1	3	2	2	1	2	4	0	0	1	3	1	20
		MEAS. RETURNS	2	2	1	2	7	10	20	1	5	18	13	11	92
		UNMEAS. RETURNS	0	1	1	1	0	1	1	0	0	0	1	0	6
		CONSUMPTIVE USE	25	177	478	153	213	481	736	-1	182	428	327	364	3,563
YUMA AREA OFFICE, USBR															
		DIVERSION	103	90	108	101	82	96	109	108	106	109	104	70	1,186
		MEAS. RETURNS	95	79	95	90	71	90	90	92	90	93	90	58	1,033
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	8	11	13	11	11	6	19	16	16	16	14	12	153
PUMPED FROM SOUTH GILA WELLS (DPOC'S)															
	12/	MEAS. RETURNS	5,084	5,621	6,454	4,656	6,054	5,183	4,496	4,747	5,690	5,450	5,980	3,202	62,617
		UNMEAS. ABOVE	-5,084	-5,621	-6,454	-4,656	-6,054	-5,183	-4,496	-4,747	-5,690	-5,450	-5,980	-3,202	-62,617
		RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN, DAVIS DAM TO INTERNATIONAL BOUNDARY															
	13/	DIVERSION	1,265	1,481	1,966	2,592	2,924	3,059	2,752	3,125	2,831	2,402	2,281	1,806	28,484
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	443	518	688	907	1,023	1,071	963	1,094	991	841	798	632	9,969
		CONSUMPTIVE USE	822	963	1,278	1,685	1,901	1,988	1,789	2,031	1,840	1,561	1,483	1,174	18,515
ARIZONA TOTALS															
		DIVERSION	225,447	120,139	175,693	375,266	388,790	325,782	312,343	249,954	301,245	302,776	269,546	177,224	3,224,205
		MEAS. RETURNS	46,493	42,813	44,733	50,180	58,657	57,319	59,959	57,081	63,689	62,882	54,621	55,666	654,093
		UNMEAS. RETURNS	-172	-206	6,812	18,294	19,600	21,486	20,792	15,323	17,515	10,203	5,673	6,323	141,643
		CONSUMPTIVE USE	179,126	77,532	124,148	306,792	310,533	246,977	231,592	177,550	220,041	229,691	209,252	115,235	2,428,469

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF ARIZONA

WATER USER	12/17/06 (ACRE-FEET)												TOTAL 1/
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	

Note: The term 'CONSUMPTIVE USE' in this tabulation means diversions including groundwater pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Monthly diversion amounts are provided by the user. Diversion amount includes deliveries from the City of Needles (25af) and diversions from Topock Marsh Inlet canal (225af).
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Havasu NWR diversion amounts have been adjusted downward for diversions out of the inlet channel by Mohave Valley Irrigation and Drainage District (Chesney) and Fort Mojave Indian Reservation.
- 5/ Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- 6/ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions estimated by multiplying CRIT's portion of measured effluent by using the Town of Parker's diversion:effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- 7/ Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.
- 8/ This is the summation for the Yuma Mesa Division of the Gila Project, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District and the Yuma Mesa Irrigation & Drainage District:

Item	Annual Totals (Acre-Feet)
Diversion at Imperial Dam	307,028
Pumped from wells	1,173
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	2,627
Return flow North Gila Valley (6 drains & wasteways)	7,426
Return flow South Gila Valley wells (DPOC's) less Unmeasured Return	52,335
Return flow Yuma Mesa Outlet Drain	19,237
Return flow protective and regulatory pumping unit	25,342
Estimated unmeasured groundwater return flow	25,984
Return flow share of Gila Main Canal loss	24,359
Subtotal return flow	157,310
Consumptive Use (see note above)	150,891

- A/ Total for the North Gila Valley, the Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts.
- B/ 85 percent of the Yuma Mesa Outlet Drain credited to Yuma Mesa Irrigation and Drainage District with balance credited to 'Unit B'.
- C/ Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
- D/ Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
- E/ Diversion multiplied by the mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1,397 af/yr) and phreatophyte use (2,154 af/yr).
- 9/ Diversion and return amounts include pumpage from AEW-6,7,8,10,11,41. These wells were previously reported in the Arizona Supplemental Section.
- 10/ This is water diverted by YID and delivered to users, with own entitlements, outside of the YID service area. YID's consumptive use has been reduced by an equal amount.
- 11/ Diversion amounts include pumpage from AEW-15,16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.
- 12/ Reclamation is engaged in a modeling study to determine the amount of water returning to the Colorado River upstream of NIB, and how this return is affected by pumping of the DPOC wellfield. Until comprehensive modeling of the Yuma area is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
- 13/ Details on Arizona Supplemental Sheets.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2005
STATE OF ARIZONA

WATER USER	12/17/06		(ACRE-FEET)												
	Ftnts	USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company			1	1	2	2	3	4	3	3	3	3	2	1	28
SUBTOTAL, LEE FERRY TO DAVIS DAM	2/	DIVERSION	1	1	2	2	3	4	3	3	3	3	2	1	28
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	1	1	1	1	1	1	1	1	1	0	10
		CONSUMPTIVE USE	1	1	1	1	2	3	2	2	2	2	1	1	18
McAlister, M. River Intake			0	0	0	0	1	1	1	1	1	1	0	0	6
Crystal Beach Water Conservation District			10	10	10	10	10	10	10	10	10	10	10	10	120
Arizona-American Water Co. (Havasu Water Co.)			41	37	34	37	50	48	64	74	75	74	51	54	639
Arizona State Parks (Windsor Beach)			0	1	1	1	2	2	4	3	2	2	1	1	20
SUBTOTALS, DAVIS DAM TO PARKER DAM	2/	DIVERSION	51	48	45	48	63	61	79	88	88	87	62	65	785
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	18	17	16	17	22	21	28	31	31	30	22	23	275
		CONSUMPTIVE USE	33	31	29	31	41	40	51	57	57	57	40	42	510
Hillcrest Water Co.			1	2	2	3	3	3	3	4	3	3	2	3	32
Rayner, Jack Jr.		AEP-9	269	222	261	229	225	355	299	289	211	106	290	211	2,967
Rayner, Jack Jr.		AEW-35	14	14	0	60	42	95	88	65	84	41	144	96	743
Arizona State Land Department (domestic use)			9	9	10	10	11	11	13	12	8	8	9	7	117
Arizona State Land Department (agricultural use)			10	60	140	162	171	210	310	295	186	152	205	121	2,022
North Baja Pipeline, LLC, (TransCanada)			5	10	10	40	60	55	50	60	45	40	25	5	405
BLM Permittees (LHFO & YFO)	3/		37	58	66	78	94	101	100	104	87	69	52	48	894
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2/	DIVERSION	345	375	489	582	606	830	863	829	624	419	727	491	7,180
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	121	131	171	204	212	291	302	290	218	147	254	172	2,513
		CONSUMPTIVE USE	224	244	318	378	394	540	561	539	406	272	473	319	4,667
YUMA ISLAND - AZ															
Bard Date Gardens (Jessen Family LTD. Partnership)	4/	AEW-3	0	0	1	4	1	18	5	0	6	0	0	1	36
Bard Date Gardens (Jessen Family LTD. Partnership)	4/	AEP-1	45	56	76	82	100	122	133	128	100	84	60	58	1,044
Glen Curtis Citrus	4/	AEP-2/3,AEW-4/5,ADW-3	87	109	149	161	197	239	261	251	197	165	117	115	2,048
Youmans, R. (Beatty Farms Southwest)	5/6/	ADW-2	44	55	75	81	99	120	131	126	99	83	59	58	1,030
Yowelman, Harp	5/6/	ADW-4	36	45	62	67	81	99	108	104	82	67	49	48	848
Ranch "5" Lands, Yuma Island, AZ (760ac)	7/		75	35	210	257	330	31	61	30	273	244	135	95	1,777
SUM OF YUMA ISLAND - AZ	2/		287	300	573	652	808	629	699	639	757	643	420	375	6,783
BLM Permittees (YFO)			9	26	28	177	178	178	179	177	177	159	10	9	1,307
Pratt, L.	5/6/3/	ADW-1	7	9	12	13	16	19	21	20	16	13	9	9	164
Ogram, George	4/	AEW-9 - Delivered by YID	18	23	31	33	41	48	53	52	41	34	24	23	421
Ogram Boys Enterprizes		Delivered by YID	35	44	60	65	79	96	105	102	79	66	47	46	824
Peach	4/6/	AEW-12	0	0	0	0	0	0	0	0	0	0	0	0	0
Peach	4/	AEW-13	19	24	33	36	44	53	58	56	44	37	26	26	456
Yucca Pwr Plant (Arizona Public Service Co.)			15	13	37	40	36	49	49	43	49	3	3	7	344
Amigo Farms	5/6/	AEW-14, ADP-1	15	18	25	27	33	40	44	42	33	28	20	19	344
Curry Family Limited	5/6/	AEP-4, ADP-2	12	15	21	23	28	33	37	35	28	23	16	16	287
Power, P.	6/8/	ADP-3/4	41	52	70	75	92	112	122	118	92	77	55	54	960
Griffin Ranches Inc.		ADP-3/4	2	3	4	5	7	8	9	9	7	6	6	4	70
Power, V. and M.		ADP-3/4	8	12	19	21	26	31	34	32	26	21	15	15	260
Pasquinielli, Gary (A. Hall)	5/6/	ADP-5	21	26	35	38	47	57	61	60	47	39	28	27	486
State of Arizona (Arizona State Land Department)			379	492	482	755	817	811	336	820	720	744	811	619	7,786
SUBTOTALS, BELOW IMPERIAL DAM	2/	DIVERSION	868	1,057	1,430	1,960	2,252	2,164	1,807	2,205	2,116	1,893	1,490	1,249	20,491
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	304	370	501	686	788	757	632	772	741	663	522	437	7,172
		CONSUMPTIVE USE	564	687	930	1,274	1,464	1,407	1,175	1,433	1,375	1,230	969	812	13,319

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2005
 STATE OF ARIZONA

WATER USER	12/17/06		(ACRE-FEET)												
	Ftnts	USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2/	DIVERSION	1,265	1,481	1,966	2,592	2,924	3,059	2,752	3,125	2,831	2,402	2,281	1,806	28,484
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	443	518	688	907	1,023	1,071	963	1,094	991	841	798	632	9,969
		CONSUMPTIVE USE	822	963	1,278	1,685	1,901	1,988	1,789	2,031	1,840	1,561	1,483	1,174	18,515

Foot notes:

- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
 - 2/ Monthly and annual totals rounded and displayed to the nearest whole number.
 - 3/ BLM Permittees reported total includes 212 af diverted by Pratt for the Pratt Revegetation Project. Pratt agricultural use has been reduced by this quantity.
 - 4/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge ratio.
 - 5/ Calculated by assuming an annual diversion rate of 6.25 af per acre.
 - 6/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
 - 7/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state. Use has been deducted from Bard diversions.
 - 8/ BLM Permittee, Limitrophe area, administered by BLM YFO.
- Note: Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International boundary (NIB), to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and, therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF CALIFORNIA

WATER USER	Ftnts	12/17/06												TOTAL 1/	
		(ACRE-FEET)													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
FORT MOJAVE INDIAN RESERVATION DELIVERED BY CITY OF NEEDLES PUMPED FROM RIVER AND WELLS	2/	DIVERSION	1	2	2	3	2	3	2	3	2	2	1	25	
		DIVERSION	351	609	1,583	1,730	1,902	2,360	2,286	2,078	1,979	702	452	250	16,282
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	163	282	732	801	880	1,092	1,057	961	915	325	210	116	7,534
		CONSUMPTIVE USE	189	329	853	932	1,024	1,271	1,231	1,120	1,066	379	244	135	8,773
CITY OF NEEDLES PUMPED FROM FOUR WELLS IN FLOODPLAIN		DIVERSION	113	92	155	216	262	289	319	250	225	216	170	154	2,461
		MEAS. RETURNS	13	11	15	22	27	30	33	27	23	25	16	14	256
		UNMEAS. RETURNS	13	11	14	21	26	29	32	26	22	24	16	14	248
	3/	CONSUMPTIVE USE	87	70	126	173	209	230	254	197	180	167	138	126	1,957
CHEMEHUEVI INDIAN RESERVATION PUMPED FROM RIVER AND WELLS		DIVERSION	0	0	242	242	48	240	244	240	240	0	0	0	1,496
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	0	0	112	112	22	111	113	111	111	0	0	0	692
		CONSUMPTIVE USE	0	0	130	130	26	129	131	129	129	0	0	0	804
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	4/5/	DIVERSION	767	36,515	16,657	77,392	84,138	102,121	101,079	93,584	92,458	98,151	99,967	36,875	839,704
WATER DIVERTED TO STORAGE FOR SNWA	4/	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	10,000	10,000
WATER EXCHANGED WITH SDCWA	6/	DIVERSION	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	30,000
		MEAS. RETURNS	289	239	1,570	262	266	253	262	257	250	267	262	275	4,452
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	2,978	38,776	17,587	79,630	86,372	104,368	103,317	95,827	94,708	100,384	102,205	49,100	875,252
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM		DIVERSION	4	3	7	19	19	22	23	21	19	6	11	11	165
		MEAS. RETURNS	1	1	1	1	10	10	10	10	10	1	1	1	57
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	3	2	6	18	9	12	13	11	9	5	10	10	108
COLORADO RIVER INDIAN RESERVATION 4 RIVER PUMPS		DIVERSION	241	276	389	452	556	668	752	690	578	478	346	332	5,758
BIG RIVER WATER DEPT. - 8 WELLS		DIVERSION	53	41	68	106	133	154	191	15	154	123	34	84	1,156
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
	7/	UNMEAS. RETURNS	127	137	198	242	298	356	408	305	317	260	165	180	2,993
		CONSUMPTIVE USE	167	180	259	316	391	466	535	400	415	341	215	236	3,921
CITY OF WINTERHAVEN PUMPED FROM 1 WELL IN FLOODPLAIN	8/	DIVERSION	4	6	8	8	10	12	13	13	10	8	6	6	104
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	1	2	3	3	3	4	4	4	3	3	2	2	34
		CONSUMPTIVE USE	3	4	5	5	7	8	9	9	7	5	4	4	70
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM		DIVERSION	19,420	22,970	61,400	82,610	94,260	101,700	105,400	81,410	88,620	56,190	43,990	42,490	800,460
		MEAS. RETURNS	28,785	28,024	31,511	36,571	36,411	37,845	41,188	40,843	40,634	38,983	35,571	34,330	430,696
		UNMEAS. RETURNS	1,088	1,286	3,438	4,626	5,279	5,695	5,902	4,559	4,963	3,147	2,463	2,379	44,825
		CONSUMPTIVE USE	-10,453	-6,340	26,451	41,413	52,570	58,160	58,310	36,008	43,023	14,060	5,956	5,781	324,939
YUMA PROJECT, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM		DIVERSION	1,908	1,096	4,924	6,624	6,628	2,824	2,560	2,574	2,644	5,848	4,214	2,959	44,803
		MEAS. RETURNS	88	9	12	86	173	47	50	65	59	192	135	70	986
		UNMEAS. RETURNS	319	183	822	1,106	1,107	472	428	430	442	977	704	494	7,484
YUMA PROJECT, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM		DIVERSION	1,186	1,010	3,424	4,507	5,460	4,444	4,104	2,331	3,395	3,267	3,294	2,115	38,537
		MEAS. RETURNS	37	5	5	36	93	44	55	34	49	65	65	31	519
		UNMEAS. RETURNS	198	169	572	753	912	742	685	389	567	546	550	353	6,436
YUMA PROJECT, RESERVATION DIVISION UNASSIGNED RETURNS	9/	MEAS. RETURNS	1,916	2,616	2,340	2,270	3,072	2,163	2,472	2,487	1,995	2,015	2,644	2,047	28,037
TOTAL YUMA PROJECT, RESERVATION DIV. USE		CONSUMPTIVE USE	536	-876	4,597	6,880	6,731	3,800	2,974	1,500	2,927	5,320	3,410	2,079	39,878

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF CALIFORNIA

WATER USER	Ftns	12/17/06 (ACRE-FEET)												TOTAL 1/	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
IMPERIAL IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	5/	DIVERSION	107,626	92,107	264,840	319,404	340,457	318,711	339,173	264,213	265,738	216,677	187,354	144,226	2,860,526
		MEAS. RETURNS	8,713	1,214	1,013	6,990	15,329	9,245	12,566	10,898	10,017	11,952	10,017	5,726	103,680
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	98,913	90,893	263,827	312,414	325,128	309,466	326,607	253,315	255,721	204,725	177,337	138,500	2,756,846
WATER TRANSFERRED TO SDCWA															
	10/	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CA CONSUMPTIVE USE	0	0	0	0	1267	8262	5471	0	0	0	0	0	15,000
COACHELLA VALLEY WATER DISTRICT															
DIVERSION AT IMPERIAL DAM		DIVERSION	8,216	8,543	23,097	31,227	38,540	36,885	39,172	34,017	29,734	24,063	25,303	17,682	316,479
		MEAS. RETURNS	665	113	88	683	1,735	1,070	1,451	1,403	1,121	1,327	1,353	702	11,711
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	7,551	8,430	23,009	30,544	36,805	35,815	37,721	32,614	28,613	22,736	23,950	16,980	304,768
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN															
DAVIS DAM TO INTERNATIONAL BOUNDARY	11/	DIVERSION	910	1,088	1,628	1,791	2,188	2,302	2,493	2,407	2,187	1,716	1,462	1,188	21,360
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	399	478	718	792	964	1,015	1,098	1,062	966	757	645	524	9,418
		CONSUMPTIVE USE	511	610	910	999	1,224	1,287	1,395	1,345	1,221	959	817	664	11,942
CALIFORNIA TOTALS															
		DIVERSION	143,300	166,858	380,924	528,831	577,103	575,235	600,311	486,346	490,483	409,947	369,105	260,873	4,989,316
		MEAS. RETURNS	40,507	32,232	36,555	46,921	57,116	50,707	58,087	56,024	54,158	54,827	50,064	43,196	580,394
		UNMEAS. RETURNS	2,308	2,548	6,609	8,456	9,491	9,516	9,727	7,847	8,306	6,039	4,755	4,062	79,664
		CONSUMPTIVE USE	100,485	132,078	337,760	473,454	511,763	523,274	537,968	422,475	428,019	349,081	314,286	213,615	4,344,258

Note: The term 'CONSUMPTIVE USE' as used in this tabulation means diversions including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Monthly diversion amounts are provided by the user. Water delivered by Needles is provided by the City of Needles. Diversion listed as Pumped From River and Wells is provided by the Fort Mojave Indian Tribe.
- 3/ A portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 4/ MWD diversion and consumptive use figures include 10 kaf diverted to storage for SNWA as shown. MWD diversion figures do not include 176 af diverted in October for delivery to Tijuana, Mexico
- 5/ Water captured and stored by MWD and IID at Reclamation's request is tabulated in this report under Water Subject to Temporary Re-Regulation. During the year of capture, this water is not included in the MWD, IID, or State of California diversion and consumptive use totals.
- 6/ Water conserved by IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement. Reclamation's future Water Accounting reports will reflect variations in the water delivery arrangements as they occur.
- 7/ Unmeasured returns calculated as 40% of Big River pumpage.
- 8/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 9/ Unassigned Measured Returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
- 10/ This entry represents water to be conserved by IID and transferred to SDCWA, in accordance with CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended. Water subject to temporary re-regulation was captured and temporarily stored by IID at Reclamation's request in 2004. A portion of the temporarily re-regulated water was restored to the system when Exhibit B, column 7 obligation for 2005 was met from the re-regulatory water stored in IID's system. The use of this water does not constitute California agricultural usage for the purposes of meeting the ISG benchmark.
- 11/ Details can be found on the California Supplemental Sheets.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2005
 STATE OF CALIFORNIA

12/17/06			(ACRE-FEET)												
WATER USER	Ftnts	USGS# 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	2/	CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	2/	CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Gas	3/1/4/	CEW-21	2	2	3	4	4	5	6	6	4	4	3	3	46
Pacific Gas & Electric Company	4/		1	1	2	2	2	3	3	3	2	2	1	1	23
Havasu Water Company T5N/R25E SEC31	4/	Needles rpt.	3	3	4	5	6	7	8	7	6	5	3	3	60
Wells reported under non-Federal subcontracts to LCWSP	4/	Needles rpt.	7	8	12	12	15	18	20	19	15	13	10	9	158
SUBTOTALS, DAVIS DAM TO PARKER DAM	5/	DIVERSION	13	14	21	23	27	33	37	35	27	24	17	16	287
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	4	4	6	7	8	10	11	10	8	7	5	5	85
		CONSUMPTIVE USE	9	10	15	16	19	23	26	25	19	17	12	11	202
Citrus Ranch (Lye, C. L.)	6/3/	CEW-16	2	3	4	4	5	6	6	6	5	4	3	3	51
Lake Enterprises of California			1	1	1	2	2	1	1	2	1	0	2	0	14
BLM Permittees (LHFO & YFO)	7/11/		23	22	30	31	51	52	55	47	41	33	29	23	437
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	5/	DIVERSION	26	26	35	37	58	59	62	55	47	37	34	26	502
		BLM UNMEAS. RETURNS	5	4	7	8	13	14	14	12	10	8	7	6	108
		UNMEAS. RETURNS	1	2	2	3	3	3	3	4	3	2	2	1	29
		CONSUMPTIVE USE	20	20	26	26	42	42	45	39	34	27	25	19	365
Wetmore, Kenneth C.	7/3/		0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.	7/3/		0	0	0	0	0	0	0	0	0	0	0	0	0
Lindeman, William H. & Hazel D.	7/3/		0	0	0	0	0	0	1	0	0	0	0	0	1
Carney, Jerome D.	7/3/		0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.	7/3/		0	0	1	1	1	2	2	1	1	1	0	0	10
<u>FORT YUMA IR - CA</u>															
Valdez, Mike	3/	CDP-1, 2, CEW-1	43	53	73	79	96	117	127	122	96	81	57	56	1,000
Living Earth Farm	3/	CEW-2, CDP-3	23	29	40	43	53	64	70	67	53	44	31	31	548
Mike Valdez	3/	CEW-3, CDP-4, CDW-1	133	167	228	246	300	364	398	383	301	252	179	176	3,127
MivCo Packing	2/3/	CEW-14	40	50	93	115	125	56	22	58	164	11	272	51	1,057
Valdez, Mike	2/3/	CEW-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranch "5" Lands, Yuma Island, CA (530 ac)	8/	AAC diversion	53	24	147	179	231	21	43	21	190	170	95	67	1,240
Huerta Packing	6/3/	CDP-6/7	16	20	27	29	36	44	48	46	36	30	21	21	374
<u>Sum of pumping on FYIR - CA</u>	5/		308	343	608	691	841	666	708	697	840	588	655	402	7,347
<u>YUMA ISLAND - CA</u>															
<u>Arizona State Land Department Lessees</u>															
Horizon Farms	6/9/		292	364	497	537	657	797	869	836	657	551	391	385	6,833
Freschi farms (Horizon Farms)	2/3/	CDW-5, CEW-7	57	72	98	106	129	157	171	164	129	108	77	76	1,344
Land, K. H.	2/3/	CDW-8 (CEW-12)	41	52	71	76	83	113	123	119	93	78	55	55	959
Easterday Farms	2/3/10/	CEW-22	6	8	11	12	14	17	19	18	14	12	8	8	147
Wilson Farms	2/	CEW-11	0	0	0	0	0	0	0	0	0	0	0	0	0
R. Harp	6/	CDW-2	23	29	39	42	52	63	69	66	52	44	31	30	540
Dees, Alex	2/	CEW-9	104	130	178	192	234	284	310	299	235	197	140	137	2,440
Mike Palmer (Power, L.O.)	6/	CEW-13	40	50	69	74	91	110	120	116	91	76	54	53	944
<u>Sum of pumping on Yuma Island - CA</u>	5/		563	705	963	1,039	1,260	1,541	1,681	1,618	1,271	1,066	756	744	13,207
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	5/	DIVERSION	871	1,048	1,572	1,731	2,103	2,210	2,394	2,317	2,113	1,655	1,411	1,146	20,571
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	389	468	703	774	940	988	1,070	1,036	945	740	631	512	9,196
		CONSUMPTIVE USE	482	580	869	957	1,163	1,222	1,324	1,281	1,168	915	780	634	11,375
=====															
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION		DIVERSION	910	1,088	1,628	1,791	2,188	2,302	2,493	2,407	2,187	1,716	1,462	1,188	21,360
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	399	478	718	792	964	1,015	1,098	1,062	966	757	645	524	9,418
		CONSUMPTIVE USE	511	610	910	999	1,224	1,287	1,395	1,345	1,221	959	817	664	11,942

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2005
 STATE OF CALIFORNIA

WATER USER	12/17/06			(ACRE-FEET)											
	Ftns	USGS#	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

Footnotes:

- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
- 2/ Calculated from monthly power records and power-discharge measurements where available, otherwise from power-discharge rate.
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 5/ Monthly and annual totals rounded and displayed to the nearest whole number.
- 6/ Calculated by assuming an annual diversion rate of 6.25 af per acre.
- 7/ Location of well/pump not reported.
- 8/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state.
 Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.
- 9/ Diversion pumpage indentified by the following equipment codes CEP-1,2,3 CDW-3,4,5,7 CEW-4,5,6,8,10 CDP-5 CDEW-1
- 10/ This well was reactivated in 2005.
- 11/ At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF NEVADA

12/17/06

(ACRE-FEET)

WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	5	5	7	6	6	8	8	9	6	4	4	4	72
	MEAS. RETURNS	2	2	3	3	3	4	4	4	3	3	3	3	37
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	3	3	4	3	3	4	4	5	3	1	1	1	35
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	27,171	24,083	31,642	36,824	47,850	45,581	50,720	45,425	42,320	42,985	34,313	28,373	457,287
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	27,171	24,083	31,642	36,824	47,850	45,581	50,720	45,425	42,320	42,985	34,313	28,373	457,287
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	38	36	44	55	68	75	92	92	92	73	62	60	787
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	38	36	44	55	68	75	92	92	92	73	62	60	787
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	12	11	13	15	18	21	23	22	21	21	15	15	207
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	12	11	13	15	18	21	23	22	21	21	15	15	207
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	466	414	427	504	454	471	533	556	554	487	407	547	5,820
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	466	414	427	504	454	471	533	556	554	487	407	547	5,820
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	420	539	585	1,015	1,052	833	1,564	1,399	1,541	1,591	1,188	846	12,573
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	420	539	585	1,015	1,052	833	1,564	1,399	1,541	1,591	1,188	846	12,573
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	1	0	1	8	29	95	222	362	473	466	460	445	2,562
	MEAS. RETURNS	0	0	1	7	28	94	221	361	472	465	459	444	2,552
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	0	0	1	1	1	1	1	1	1	1	1	10
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	82	80	87	83	76	70	79	78	73	87	67	58	920
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	82	80	87	83	76	70	79	78	73	87	67	58	920
MOHAVE GENERATING STATION (SO. CAL. EDISON)														
PUMPED FROM 1 WELL	DIVERSION	999	650	1,046	652	1,174	1,212	1,204	1,251	1,103	1,139	895	1,076	12,401
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	999	650	1,046	652	1,174	1,212	1,204	1,251	1,103	1,139	895	1,076	12,401

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2005
STATE OF NEVADA

12/17/06		(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BIG BEND WATER DISTRICT-LAUGHLIN, NV														
	DIVERSION	299	252	336	392	404	426	472	455	464	438	368	334	4,640
	MEAS. RETURNS	191	188	213	211	226	234	262	260	227	228	211	192	2,643
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	108	64	123	181	178	192	210	195	237	210	157	142	1,997
FORT MOJAVE INDIAN RESERVATION PUMPED FROM 2 WELLS IN FLOODPLAIN	3/													
	DIVERSION	98	157	309	536	741	786	726	675	574	311	331	138	5,382
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	32	52	102	177	245	259	240	223	189	103	109	46	1,777
	CONSUMPTIVE USE	66	105	207	359	496	527	486	452	385	208	222	92	3,605
LAS VEGAS WASH RETURN FLOWS	4/													
	RETURNS	19,468	16,945	18,018	16,703	15,503	15,820	17,206	17,394	15,526	17,892	16,872	16,517	203,864
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY	5/													
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA TOTALS														
	DIVERSION	29,591	26,227	34,497	40,090	51,872	49,578	55,643	50,324	47,221	47,602	38,110	31,896	502,651
	MEAS. RETURNS	19,661	17,135	18,235	16,924	15,760	16,152	17,693	18,019	16,228	18,588	17,545	17,156	209,096
	UNMEAS. RETURNS	32	52	102	177	245	259	240	223	189	103	109	46	1,777
	CONSUMPTIVE USE	9,898	9,040	16,160	22,989	35,867	33,167	37,710	32,082	30,804	28,911	20,456	14,694	291,778
GROUNDWATER INJECTED STORAGE LAS VEGAS VALLEY WATER DIST.	6/													
	INJECTED	4,031	3,242	1,573	25	0	0	0	0	0	2,676	3,693	628	15,868
	WITHDRAWN	0	0	0	0	0	0	0	0	141	207	136	88	572
CITY OF NORTH LAS VEGAS														
	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ As of mid 2003 Boulder City had discontinued diverting water directly from Lake Mead but purchases its water from SNWA.
- 3/ Diversions provided by the user. Calculated by adding M&I use to the product of the acreage of each crop type times the crop specific evapotranspiration, times irrigation efficiency.
- 4/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in USBR letter to SNWA and CRCN dated July 29, 2003.
- 5/ Details on Nevada Supplemental Sheets.

6/ Nevada Injected Storage Balance:	A/	Beginning of Year Cumulative Injected Storage	295,733
		Plus Current Year Additions	15,868
		Minus Current Year Withdrawals	<u>572</u>
		End of Year Cumulative Injected Storage	311,029

A/ Colorado River water injected into ground water storage is accounted as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

NEVADA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2005
 STATE OF NEVADA

12/17/06		(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Sportsman's Park	1/	0	0	0	0	0	0	0	0	0	0	0	0	0
Boy Scouts of America	1/2/	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Nevada Supplemental Tabulation														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

1/ Pumped uses for each diverter listed for Nevada were zero in 2005.

2/ Lands belonging to the Boy Scouts of America were sold to SNWA in December 2005

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO
ORDERS BUT NOT DIVERTED BY PARTY ORDERING THE SAME,
AND THE QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN
SATISFACTION OF THE MEXICAN TREATY OR DIVERTED BY OTHERS;
IN ACCORDANCE WITH ARTICLE V(C) OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

The following tabulations for calendar year 2005 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation has tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities. Reclamation is revising the methodology used to pro-rate individual contributions of rejected water passing to Mexico in excess of treaty requirements. When the methodology is completed, the tabulation will contain figures for each of the four dispositions of rejected water listed.

Water ordered but not diverted was analyzed daily for each diverter as the absolute value of the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the

mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Deliveries of water to Mexico in satisfaction of the Mexican Treaty are scheduled based on Mexico's daily orders. Releases from storage are scheduled in sufficient quantities which, when added to return flows, meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the treaty, therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations do not show entries for water ordered but not diverted as being delivered to Mexico in satisfaction of the treaty.

Currently, no daily orders are received from Nevada for diversion from the Colorado River so no sheet is included for Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2005
 STATE OF ARIZONA

WATER USER	12/17/06 Ftns	12/17/06 (ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		5,125	4,066	12	0	486	499	2,536	2,566	0	1,591	3,171	362	20,414
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	5,125	4,066	12	0	486	499	2,536	2,566	0	1,591	3,171	362	20,414
CO. RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
NORTH GILA VALLEY I.D., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,471	1,942	1,928	2,825	2,819	3,513	2,864	2,531	1,523	3,404	3,999	4,023	33,842
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
GILA MONSTER FARMS, GILA PROJECT DISTRICTS DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
WELLTON-MOHAWK I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		10,776	6,140	0	0	0	0	2,333	5,517	2,803	10,749	6,428	11,021	55,767
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		0	0	0	0	0	0	12	129	0	0	0	0	141
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2005
STATE OF ARIZONA

WATER USER	12/17/06 Ftns	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA MESA I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		1,507	1,228	2,132	3,980	0	0	9,799	1,556	0	3,061	2,979	0	26,242
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
UNIT "B" I.& D. DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		83	316	406	389	831	1,182	505	774	339	410	388	0	5,623
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
YUMA COUNTY WATER USERS ASSN., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		7,164	5,972	3,752	2,689	4,152	1,831	5,055	4,312	6,400	4,732	6,821	5,786	58,666
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
ARIZONA TOTALS ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		27,126	19,664	8,230	9,883	8,288	7,025	23,104	17,385	11,065	23,947	23,786	21,192	200,695
DIVERTED BY OTHERS CAPTURED IN STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/ 3/	5,125	4,066	12	0	486	499	2,536	2,566	0	1,591	3,171	362	20,414

Footnotes:

- 1/ Reclamation is revising the methodology used to determine the disposition, by user, of the Water Ordered but not Diverted. As outlined in the table it may be diverted by another water user, stored, or passing to Mexico in excess of the 1944 Treaty requirements. Until the methodology and software are completed, Reclamation will not report the disposition of Water Ordered but not Diverted.
- 2/ Stored in Lake Havasu, Imperial Reservoir, behind Laguna Dam, or Senator Wash Reservoir for future use.
- 3/ For the total amount of water passing to Mexico in Excess of Schedule, please see the next section of this report which contains the Deliveries to Mexico.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
CALENDAR YEAR 2005
STATE OF CALIFORNIA

WATER USER	12/17/06 Fnts	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		1,843	3,988	7,839	5,196	7,085	2,064	4,089	5,172	2,181	2,608	2,148	1,005	45,218
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	1,843	3,988	7,839	5,196	7,085	2,064	4,089	5,172	2,181	2,608	2,148	1,005	45,218
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		0	0	0	1,210	0	0	37,201	486	0	0	83	1,043	40,023
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		4,513	3,986	494	1,819	935	2,759	2,856	3,247	2,699	2,373	5,593	5,836	37,110
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		15,776	22,163	20,304	8,182	5,743	2,519	6,443	12,768	0	14,542	3,844	63	112,347
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,295	2,184	0	0	0	0	0	0	690	225	0	2,808	8,202
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
CALIFORNIA TOTALS ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		24,427	32,321	28,637	16,407	13,763	7,342	50,589	21,673	5,570	19,748	11,668	10,755	242,900
CALIFORNIA TOTALS DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA TOTALS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	1,843	3,988	7,839	5,196	7,085	2,064	4,089	5,172	2,181	2,608	2,148	1,005	45,218
CALIFORNIA TOTALS EXCESS OF TREATY	3/	0	0	0	0	0	0	0	0	0	0	0	0	0

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2005
 STATE OF CALIFORNIA

WATER USER	12/17/06 Fnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Footnotes:

1/ Reclamation is revising the methodology used to determine the disposition, by user, of the Water Ordered but not Diverted. As outlined in the table it may be diverted by another water user, stored, or passing to Mexico in excess of the 1944 Treaty requirements. Until the methodology and software are completed, Reclamation will not report the disposition of Water Ordered but not Diverted.

2/ Stored in Lake Havasu, Imperial Reservoir, behind Laguna Dam, or Senator Wash Reservoir for future use.

3/ For the total amount of water passing to Mexico in Excess of Schedule, please see the next section of this report which contains the Deliveries to Mexico.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944
AND WATER PASSING TO MEXICO IN EXCESS OF
TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 2005

WATER USER	12/17/06 Fmts	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DELIVERY TO NIB	1/	131,391	177,873	206,171	188,141	102,252	98,785	112,184	108,872	80,706	77,113	88,369	115,294	1,487,151
DELIVERY TO THE RIVER LIMITROPHE	2/	820	701	603	303	360	200	278	433	893	1,640	1,358	1,043	8,632
DELIVERY TO SIB		8,488	7,683	8,849	10,738	10,885	10,753	11,533	8,964	10,572	11,790	10,015	10,113	120,383
DIVERSION FOR DELIVERY AT TIJUANA	3/	0	0	0	0	0	0	0	0	0	176	0	0	176
TOTAL DELIVERY IN SATISFACTION OF TREATY	4/	140,699	186,257	215,623	199,182	113,497	109,738	123,995	118,269	92,171	90,719	99,742	126,450	1,616,342
TO MEXICO AS SCHEDULED		128,111	152,979	204,112	197,528	104,228	109,271	121,598	97,713	89,308	74,789	98,764	121,599	1,500,000
TO MEXICO IN EXCESS OF SCHEDULE	5/	12,588	33,278	11,511	1,654	9,269	467	2,397	20,556	2,863	15,930	978	4,851	116,342
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC		9,379	8,089	9,305	9,625	9,990	9,528	9,289	8,375	8,957	10,070	9,591	6,228	108,426

Footnotes:

1/ Flow in the river at the Northerly International Boundary.

2/ Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

3/ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct,

MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minute No. 310 of the IBWC.

4/ Water delivered to Mexico and charged against treaty requirements. It does not include Water Bypassed Pursuant to Minute No. 242 of the IBWC.

5/ Water that is lost to the United States through flows and/or releases into the Colorado River above Morelos Dam in excess of Lower Division States deliveries.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964**

12/17/06		CALENDAR YEAR 2005												TOTAL
		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnote:

1/ For additional information about deliveries to the Gila and San Francisco Rivers, please see the annual report of the New Mexico Interstate Stream Commission, attached as a pdf file within the CD at the back of this report.

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE DECREE OF THE
SUPREME COURT OF THE UNITED STATES
IN
*ARIZONA V. CALIFORNIA ET. AL.***

The information contained in the following sections of this report is supplemental to the records required under Article V of the 1964 Supreme Court Decree in *Arizona v. California et.al.* The information is tabulated here to provide a broader record of activities relating to federal management of the Colorado River in a single, concise report. The final section contains documents significant to the actions taken by Reclamation, Lower Division States, and water user agencies.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

The Bureau of Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with Southern Nevada Water Authority (SNWA), Colorado River Commission of Nevada (CRCN), and Arizona Water Banking Authority (AWBA). The SIRA is to provide structure and guidance, in accordance with Article II (B) (6) of the Decree, for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's water consumption. The forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in the year Colorado River water is diverted. LTSC are created for the account of consuming entities in Nevada or California. When LTSC are

recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II (B)(6) of the Decree in *Arizona v. California*. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Decree. When SNWA calls upon this stored water, MWD will develop ICUA by withdrawing water that MWD has previously stored for SNWA and MWD will deliver this water for consumptive use in California. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed interstate underground storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. Recovery of MWD's IUS credits is subject to the terms of the 1992 agreement.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA, provisional ALTSC accrued during the past year, Long Term Storage Credits recovered during the past year, ALTSC held for an entity with a SIRA, and IUS credits assigned to MWD by CAWCD.

STORAGE AND INTERSTATE RELEASE AGREEMENT
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2005

12/17/06		(ACRE-FEET)													
		Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA		Verified BOY ALTSC	1/ 2/	125,260											
Water stored in Arizona		Accrued LTSC in 05	3/	0	0	0	0	0	0	0	0	0	0	120,541	120,541
for the benefit of SNWA.		Verified LTSC in 05	3a/	0	0	0	0	0	0	0	0	0	0	111,806	111,806
		Recovered LTSC in 05	4/	0	0	0	0	0	0	0	0	0	0	0	0
		Total ALTSC	5/	125,260	0	0	0	0	0	0	0	0	0	111,806	237,066
CALIFORNIA **		Verified BOY IUS Credits	6/	80,909											
Water stored in Arizona		Accrued LTSC in 05	3/	0	0	0	0	0	0	0	0	0	0	0	0
for the benefit of MWD.		Verified LTSC in 05	3a/	0	0	0	0	0	0	0	0	0	0	0	0
		Recovered IUS in 05	4/	0	0	0	0	0	0	0	0	0	0	0	0
		Total IUS Credits	5/	80,909	0	0	0	0	0	0	0	0	0	0	80,909
STATES TOTAL		Verified BOY ALTSC	1/	206,169											
Water stored in AZ for the benefit		Accrued LTSC in 05	3/	0	0	0	0	0	0	0	0	0	0	120,541	120,541
of Nevada and California Parties.		Verified LTSC in 05	3a/	0	0	0	0	0	0	0	0	0	0	111,806	111,806
		Recovered LTSC in 05	4/	0	0	0	0	0	0	0	0	0	0	0	0
		Total ALTSC	5/	206,169	0	0	0	0	0	0	0	0	0	111,806	317,975
WATER STORED BY MWD FOR THE BENEFIT OF NEVADA (SNWA)		Verified BOY ALTSC	7/	10,000											
NV Apportionment		Accrued LTSC in 05	7/	0	0	0	0	0	0	0	0	0	0	10,000	10,000
		Verified LTSC in 05	3b/	0	0	0	0	0	0	0	0	0	0	10,000	10,000
		Recovered LTSC in 05	7/	0	0	0	0	0	0	0	0	0	0	0	0
		Total ALTSC	7/	10,000	0	0	0	0	0	0	0	0	0	10,000	20,000
AMOUNT OF WATER STORED FOR THE BENEFIT OF NEVADA - CURRENT YEAR				0	0	0	0	0	0	0	0	0	0	121,806	121,806
TOTAL BALANCE OF WATER STORED FOR NEVADA WITHIN AZ AND CA			8/	135,260	0	0	0	0	0	0	0	0	0	121,806	257,066

** At present there is not a Storage and Interstate Release Agreement (SIRA) between the AWBA and a California entity, data from any future agreement will be presented here.

Footnotes:

- 1/ Accumulated Long-Term Storage Credits (ALTSC) verified by the banking party before the beginning of the reporting year (BOY) to be available for recovery by a specific entity with a valid SIRA. Requested Intentionally Created Unused Apportionment (ICUA) cannot exceed verified ALTSC.
- 2/ Final verified accounting of Accumulated Long-Term Storage Credits from AWBA, confirmed in letter to Reclamation dated July 18, 2006.
- 3/ Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC for the benefit of consuming entities in Nevada and California are limited to 200 kaf annually.
- 3a/ Storage credits accrued for SNWA during 2005, amount of LTSC available for recovery was verified by the AWBA in letter to Reclamation dated July 18, 2006.
- 3b/ Storage credits accrued for SNWA during 2005, amount of LTSC available for recovery was verified by MWD in letter to Reclamation dated January 20, 2006.
- 4/ ALTSC recovered by AWBA or MWD during the reporting year, represented by ICUA that AWBA or MWD have certified to be available and the Secretary has released to a specific entity with a valid SIRA during the same year. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. Total recovery of ALTSC from AWBA can not exceed 100 kaf annually, due to a limitation defined under Arizona State law. When water is released from storage, Arizona will be required to reduce its consumptive use under its state apportionment in an amount equal to Nevada's and/or California's requested release and Nevada and/or California will be allowed to exceed its apportionment by an amount equal to the ICUA made available by Arizona.
- 5/ Monthly sum of verified ALTSCs or recoverable Interstate Underground Storage (IUS) credits.
- 6/ Interstate Underground Storage (IUS) credits banked in CAWCD's name that are recoverable by MWD under CAWCD/MWD agreement of October 15, 1992. Total BOY IUS credits amount to 89,000acre-feet and were not reduced during the calendar year. Amount displayed are recoverable credits.
- 7/ In 2004 MWD, SNWA, and the Secretary of the Interior entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. Water stored in 2005, under this agreement by MWD, was Nevada unused apportionment. In 2005, Nevada was required to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, CA will be required to reduce its consumptive use under its state apportionment in an amount equal to Nevada's requested release and Nevada will be allowed to exceed its apportionment by an amount equal to the ICUA made available by California.
- 8/ This balance includes both the BOY ALTSC balance as verified by the AWBA and the amount of water placed in storage within the current year. Verified ALTSC from 2005 diversions are shown.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently use (divert or consumptively use) Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements have now been put in place for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003 by the Secretary of the Interior. Beginning in 2004, certain Districts within California agreed in the CRWDA to begin paybacks to the Colorado River system according to the payback schedule set forth in Exhibit C of the CRWDA in the aggregate amount of accrued overruns for CY 2001 and 2002. The CRWDA permits advance payback.

Reclamation has implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

This Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 Federal Register 12,201 (2004).

The following tabulation displays two items associated with inadvertent overruns and paybacks: 1) the quantity of paybacks made by California parties under Exhibit C of the CRWDA and the remaining balance in each Exhibit C payback account; and 2) identification of entitlement holders who have inadvertently overrun since January 1, 2005, the amount of the overrun, repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account.

The table titled Exhibit C reproduces Exhibit C from the CRWDA for convenient reference.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2005
 STATE OF ARIZONA

12/17/06		(ACRE-FEET)			
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL ENTITLEMENT
IOPP Overruns by Individual Water Users					
No entity exceeded its approval in 2005	IOPP Overruns by Water User	Calendar Year Diversion	2	0	0
		Calendar Year Overrun	3	0	
		BOY Overrun Account Balance	4	0	
		Validated Calendar Year Paybacks	5	0	
		EOY Overrun Account Balance	6	0	
		Overrun as Percent of Entitlement		0.0%	
 IOPP Account Balance by Water User					
GILA MONSTER FARMS	Balance of overrun and paybacks	BOY Overrun Account Balance	4	1,522	9,156
		Validated Calendar Year Paybacks	5	0	
		EOY Overrun Account Balance	6	1,522	
		Account Balance as Percent of Entitlement		16.6%	

Note: Gila Monster Farms will begin payback of the 2004 overrun in calendar year 2007.
 This in accordance with the IOPP which requires payback to begin in the year following publication of the Water Accounting report for the overrun year.

Footnotes:

- 1/ This section contains tabulations of water users' overruns of approved diversions or approved consumptive use amounts.
- 2/ The consumptive use or the diversion of a user as tabulated in the Article V. section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against its diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remaining IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE, AND CRWDA EXHIBIT C PAYBACK ¹
 CALENDAR YEAR 2005
 STATE OF CALIFORNIA

12/17/06		(ACRE-FEET)				
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftnts	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
No entity exceeded its approval in 2005	IOPP Overruns by Water User	Calendar Year CU	2	0	0	0
		Calendar Year Overrun	3	0		
		BOY Overrun Account Balance	4	0		
		Validated Calendar Year Paybacks	5	0		
		EOY Overrun Account Balance	6	0		
		Percent of Entitlement		0.0%		
Payback of Exhibit C Obligations by Individual Water Users						
IMPERIAL IRRIGATION DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	106,765	N/A	
		Calendar Year Paybacks	8	23,797		
		Applied Credit from Re-regulation	9	5,369		
		EOY Exhibit C Balance	10	77,599		
COACHELLA VALLEY WATER DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	53,243	N/A	
		Calendar Year Paybacks	8	18,491		
		EOY Exhibit C Balance	10	34,752		
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	55,693	N/A	
		Calendar Year Paybacks	8	38,777		
		Applied Credit from 2002 Reduction	11	11,504		
		Applied Credit from Re-regulation	9	0		
		EOY Exhibit C Balance	10	5,412		

Footnotes:

- 1/ This section contains tabulations of water users' overruns of approved diversions or approved consumptive use amounts.
- 2/ The consumptive use or the diversion of a user as tabulated in the Article V. section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against its diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remaining IOPP overrun account balance as of the end of the accounting year.
- 7/ Payback obligation agreed to upon execution of the CRWDA. This amount is tabulated in Exhibit C of the CRWDA.
- 8/ Paybacks of CRWDA, Exhibit C obligations made to the Colorado River system during the current year.
- Note that there is disagreement between IID and USBR over the calculation of losses within the canal distribution system. An independent, third party has been contracted to resolve the loss calculation issue. The numbers displayed here are Reclamation's estimates which may be adjusted based on the resolution of the loss calculation.
- 9/ Application of the extraordinary conservation credit resulting from capture of re-regulatory water. For more information see section on Water Subject to Temporary Re-regulation.
- 10/ End of Year balance of Exhibit C obligation, determined by subtracting current year repayments from the BOY account balance.
- 11/ Credit for MWD's reduced diversions in calendar year 2002 applied toward payback of Exhibit C obligations.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2005
 STATE OF NEVADA

12/17/06

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
No entity exceeded its approval in 2005	IOPP Overruns by Water User	Calendar Year CU	2		0	0
		Calendar Year Overrun	3	0		
		BOY Overrun Account Balance	4	0		
		Validated Calendar Year Paybacks	5	0		
		EOY Overrun Account Balance	6	0		
		Percent of Entitlement		0.0%		

Footnotes:

- 1/ This section contains tabulations of water users' overruns of approved diversions or approved consumptive use amounts.
- 2/ The consumptive use or the diversion of a user as tabulated in the Article V. section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against its diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remaining IOPP overrun account balance as of the end of the accounting year.

Exhibit C of the Colorado River Water Delivery Agreement

Exhibit C: Payback Schedule of Overruns for Calendar Years 2001 and 2002

<i>Year</i>	<i>IID</i>	<i>CVWD</i>	<i>MWD</i>	<i>Total</i>
2004	18,900	9,100	11,000	39,000
2005	18,900	9,100	11,000	39,000
2006	18,900	9,100	11,100	39,100
2007	18,900	9,100	11,100	39,100
2008	18,900	9,200	11,100	39,200
2009	18,900	9,200	11,100	39,200
2010	19,000	9,200	11,100	39,300
2011	19,000	9,200	11,100	39,300
Cumulative	151,400	73,200	88,600	313,200

Note: Each district may, at its own discretion, elect to accelerate paybacks to retire its payback obligation before the end of the eight-year period ending in calendar year 2011. Each district's payback obligation is subject to acceleration in anticipation of a shortage in the Lower Colorado River Basin as provided for in section 8(b).

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior makes Colorado River water available to the Lower Division States in accordance with Article II of the Decree in *Arizona v. California*. Under Article II, the Secretary apportions water to the states under shortage, normal or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements, such as Interstate Storage and Release Agreements, and federal policies such as the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division State under Article II of the Decree, the payback by users within the state of obligations under Exhibit C of the Colorado River Water Delivery Agreement or the IOPP, and the total consumptive use within a state. The table demonstrates whether the total consumptive use is an underrun or overrun of the total amount of Colorado River water available to each Lower Division State in 2005.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE¹

12/17/06		(ACRE-FEET)		
STATE	ADJUSTMENTS	Ftnts	TOTAL APPROVED USE	TOTAL ACTUAL USE
ARIZONA	Basic Apportionment	2	2,800,000	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV	3	0	0
	AZ II(B)(6) Released to NV and CA	8	(16,738)	(16,738)
	Validated Paybacks	4	0	0
	Total Available Colorado River Water	5	2,783,262	<u>2,783,262</u>
	Total Consumptive Use	6		2,428,469
	State Underrun or (Overrun)	7		354,793
CALIFORNIA	Basic Apportionment	2	4,400,000	4,400,000
	NV II(B)(6) Released to CA for Storage for NV	3	10,000	10,000
	AZ II(B)(6) Released to CA	8	14,960	14,960
	Exhibit C Paybacks	4	(81,065)	(81,065)
	Total Available Colorado River Water	5	4,343,895	<u>4,343,895</u>
	Total Consumptive Use	6		4,344,258
	State Underrun or (Overrun)	7		(363)
	LCWSP Carryover from Previous Years	9		335
	Unauthorized Agricultural Use			<u>28</u>
Net State Underrun or (Overrun)			0	
NEVADA	Basic Apportionment	2	300,000	300,000
	NV Created Unused Apportionment for Storage		(10,000)	(10,000)
	AZ II(B)(6) Released to NV	8	1,778	1,778
	Validated paybacks	4	0	0
	Total Available Colorado River Water	5	291,778	<u>291,778</u>
	Total Consumptive Use	6		291,778
	State Underrun or (Overrun)	7		0

Footnotes:

- 1/ This section tabulates increases or reductions to the amount of water available to a state, calculates an adjusted state limitation, and compares that amount to the consumptive uses within the state. Adjustments include releases to or from another state under Article II(B)(6) of the Decree in Arizona v. California, payback obligations of water users within the state and intentionally created unused apportionment or surplus.
- 2/ The state basic apportionment as described in Article II(B)(1) of the Decree.
- 3/ The unused apportionment of Nevada created by conservation measures, made available to Arizona and/or California by the Secretary under Article II(B)(6) of the 1964 Decree for storage in Arizona or California under Interstate Storage and Release Agreements.
- 4/ The reduction in the amount of water available to users within the state through repayment obligations under the CRWDA or the IOPP.
- 5/ The total amount of Colorado River water available for use in the state in 2005.
- 6/ The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
- 7/ The difference between the Colorado River water available to the state and the state's actual consumptive use.
- 8/ At the request of CRC and MWD, the Secretary made AZ unused apportionment available to California and Nevada under section II(B)(6) of the 1964 Supreme Court Decree in Arizona v. California et al.
- 9/ Differences between actual LCWSP wellfield pumping and use of Colorado River water by LCWSP contractors are allowed to be carried over in a given year, when an outstanding LCWSP balance is consumed, California users are allowed to take more water from the river in amounts equal to the balance adjustment.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their present or anticipated needs. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located along the All-American Canal (AAC) in Imperial County and pump from an extensive mound of water that was formed by seepage from the AAC. Ground water from the wells is withdrawn and discharged into the AAC. Through a contract with Reclamation, Imperial Irrigation District is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles in annual amounts up to 3,500 acre-feet of the initial 5,000 acre-feet available. The contract with the City of Needles establishes a framework for the City of Needles to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) makes a recommendation as to whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City of Needles which then offers subcontracts.

Reclamation also entered into a contract to supply Project water to the Bureau of Land Management (BLM) in annual amounts up to 1,150 acre-feet. BLM may divert this water at any of several diversion points on the Colorado River in California.

In 2005, the final 350 acre-feet of the initial 5,000 acre-feet of constructed project capacity was committed for use at Federal facilities or on Federal lands adjacent to the Colorado River in California.

LOWER COLORADO WATER SUPPLY PROJECT
 SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
 CALENDAR YEAR 2005

12/17/06		(ACRE-FEET)														
		Fmts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
WATER SUPPLY WELLFIELD PUMPAGE		1/	non-Federal	0	0	0	0	0	0	0	150	388	153	0	691	
			Federal	0	0	0	0	0	0	0	75	194	76	0	345	
			Total	0	0	0	0	0	0	0	225	582	229	0	1,036	
LCWSP NON-FEDERAL CONTRACTORS		2/														
City of Needles (on its own behalf)			Diversions	42	35	58	81	98	108	120	94	84	81	64	58	923
			CU	27	23	45	66	81	90	100	75	66	64	51	46	734
Havasu Water Company of California			Diversions	3	3	4	5	6	7	8	7	6	5	3	3	60
			CU	2	2	2	3	4	4	5	4	4	3	2	2	36
Pacific Gas & Electric Company			Diversions	1	1	2	2	2	3	3	3	2	2	1	1	23
			CU	1	1	2	2	2	3	3	3	2	2	1	1	23
Southern California Gas Company			Diversions	2	2	3	4	4	5	6	6	4	4	3	3	46
			CU	2	2	3	4	4	5	6	6	4	4	3	3	46
Needles Other Subcontractors			Diversions	7	8	12	12	15	18	20	19	15	13	10	9	158
			CU	4	5	7	7	9	11	12	11	9	8	6	5	95
Total non-Federal Contractors:			Diversions	55	49	79	104	125	141	157	129	111	105	81	74	1,210
			CU	36	33	60	82	100	113	126	100	85	81	63	57	934
Diff: Non-Federal Use and Wellfield Pumping		3/		-36	-33	-60	-82	-100	-113	-126	-100	65	307	90	-57	-243
Previous Year Balance		4/		-23	143	146	80	130	-40	-63	-56	32	-48	-33	-32	236
Balance to be Carried Over to Following Year		5/		-59	110	86	-2	30	-153	-189	-156	97	259	57	-89	-7
LCWSP FEDERAL CONTRACTORS																
U.S. Bureau of Land Management		6/	Diversions	23	22	30	31	51	52	55	47	41	33	29	23	437
Total of BLM Administered Water			Returns	5	4	7	8	13	14	14	12	10	8	7	6	108
			CU	18	18	23	23	38	38	41	35	31	25	22	17	329
USBR - Parker Dam and Government Camp			Diversions	4	3	7	19	19	22	23	21	19	6	11	11	165
			Returns	1	1	1	1	10	10	10	10	10	1	1	1	57
			CU	3	2	6	18	9	12	13	11	9	5	10	10	108
Difference: Federal Use and Wellfield Pumping		3/		-21	-20	-29	-41	-47	-50	-54	-46	35	164	44	-27	-92
Previous Year Balance *		4/		-19	99	109	75	119	-9	-6	-20	44	-27	-21	-15	329
Balance to be Carried Over to Following Year		5/		-40	79	80	34	72	-59	-60	-66	79	137	23	-42	237

Footnotes:

- 1/ Non-Colorado River water pumped from the Lower Colorado Water Supply Project (LCWSP) wellfield and delivered into the AAC for use by IID. Pumpage reported separately for Federal and non-Federal contractors.
 Note: each LCWSP contractor or subcontractor has a unique unmeasured return factor.
- 2/ LCWSP non-Federal contractor (City of Needles) and subcontractors - Colorado River water use exchanged with LCWSP wellfield pumpage.
- 3/ Difference between the consumptive use of Colorado River water diverted and the amount of water pumped by the LCWSP wellfield.
- 4/ Balance from previous year. Over pumpage (shown as positive values) must be used, under pumpage (shown as negative values) must be paid back.
 * Note: The "Balance to be Carried Over to Following Year" for Federal contractors was erroneously reported in 2004 as 326af. The correct value is 329af. The corrected value appears in this report on the line titled "Previous Year Balance."
- 5/ Balance of LCWSP wellfield pumping from current and previous years. If the year end total is a positive value this amount is available to LCWSP contractors. If the year end total is a negative value this amount must be paid back in the form of additional wellfield pumping.
- 6/ Portion of the LCWSP allocated to the BLM - Colorado River water use exchanged with LCWSP wellfield pumpage.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division States has been further apportioned among the States of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division States must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in a separate section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events is depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2005.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use to the 2005 ISG Annual Target” demonstrates the impact of conservation and transfers on agricultural water use in California in 2005. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

Comparison of Net California Agricultural Use to the 2005 ISG Annual Target ¹
CALENDAR YEAR 2005

12/17/06

Uses by California Agricultural Entities	Consumptive Uses	Comments
	Acre-Feet	
Palo Verde Irrigation District	324,939	
Yuma Project Reservation Division	39,878	
Yuma Island Pumpers ²	7,303	CU = diversion minus unmeasured return = 13,207 x (1-0.447) = 7,303 af
Priorities 1, 2, 3b	372,120	
Coachella Valley Water District	304,768	
Imperial Irrigation District	2,756,846	
Total California Agricultural Use	3,433,734	
MWD Adjustments for Priority 1, 2, and 3b use	0	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
IID CRWDA Exhibit C Payback	23,797	IID and Reclamation disagree on the calculation of this value. It will be finalized upon resolution of the issue.
CVWD CRWDA Exhibit C Payback	18,491	
IID and CVWD reductions for PPRs	14,500	IID = 11,500 af, CVWD = 3,000 af.
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,490,522	Includes Total California Agricultural use + MWD Adjustment + IID/CVWD covered PPRs.
 ISG Target Comparison		
2005 Agricultural Target	3,674,000	See Column 23 of Exhibit B of the CRWDA
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,490,522	
Total Target Underrun	183,478	
 Priority 1, 2, and 3b Use Below or (Above) 420,000 af		
Palo Verde Irrigation District	324,939	
Yuma Project Reservation Division	39,878	
Yuma Island Pumpers	7,303	
Total Priority 1, 2, 3b Use	372,120	
MWD Adjustments for Priority 1, 2, and 3b use	47,880	

Footnotes:

1/ Part XI, Section 5, Record of Decision of the Colorado River Interim Surplus Guidelines FEIS contain the adopted Interim Surplus Guidelines (ISG). Section 5 of the ISG contains Benchmarks for aggregate California agricultural water use during each third year. Exhibit B (attached) to the CRWDA, column 22 references these ISG Benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the ISG Benchmarks.

Footnotes 2 and 12 of Exhibit B define annual targets and Benchmark year aggregate agricultural use totals as all consumptive use of priorities 1 through 3 plus 14,500 of PPR use, minus MWD adjustments for priority 1 through 3 use above 420,000 af.

2/ Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; and is not an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

TRANSFERS AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2005
 STATE OF ARIZONA

TRANSFER TITLE OR PARTICIPATING AGENCIES	12/17/06												TOTAL	
	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC

No transfers were reported to USBR during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2005
 STATE OF CALIFORNIA

TRANSFER TITLE OR PARTICIPATING AGENCIES	Ftnts	(ACRE-FEET)												TOTAL	
		12/17/06	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
WATER CONSERVATION PROGRAM IID/MWD CONSERVED WATER	1/														101,940
MWD REDUCTION FOR CVWD USE - IID CONSERVATION	2/		1,667	1,666	1,667	1,666	1,667	1,666	1,667	1,667	1,666	1,667	1,667	1,667	20,000
IID CONSERVATION FOR TRANSFER TO SDCWA	3/		3,040	3,197	7,815	8,350	7,598	0	0	0	0	0	0	0	30,000
IID CONSERVATION FOR TRANSFER TO SDCWA - MITIGATION	4/		0	0	0	0	1,267	8,262	5,471	0	0	0	0	0	15,000
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM	5/														108,666

Notes: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B, shown on page 46 of this report.
 Reclamation recognizes that the CRWDA allows each party to make water available or to divert water made available on their own schedule.

Footnotes:
 1/ 1988 IID/MWD Water Conservation Program conserved water made available by IID for diversion in current year by MWD, reported as an annual total.
 2/ MWD reduction for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program for use by CVWD. This reduction occurs at CVWD request.
 3/ The CRWDA specifies required conservation by IID for transfer to SDCWA. This amount is found in Column 5 of Exhibit B of the CRWDA.
 4/ IID conserved water to be left in the Colorado River, in accordance with section 2.2.1 of the "Letter Agreement for Temporary Re-regulation of Excess Colorado River Flows" dated June 5, 2006 (found in Significant Documents).
 Water captured and temporarily stored by IID in 2004 and 2005, as water subject to temporary re-regulation, was used to meet the 2005 Salton Sea mitigation obligation.
 5/ Annual PVID reduction in consumptive use through land fallowing as reported in Table 8 of the report produced jointly by USBR, PVID, and MWD entitled, "Calendar Year 2005 Fallowed Land Verification Report: PVID/MWD Forbearance and Fallowing Program". The value represents the estimated reduction in PVID's consumptive use resulting from the fallowing of an average of 21,292 acres of land for the months of January through July, and an average of 24,849 acres of land for the months of August through December.

TRANSFERS AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2005
 STATE OF NEVADA

12/17/06

(ACRE-FEET)

TRANSFER TITLE OR PARTICIPATING AGENCIES	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

No transfers were reported to USBR during this calendar year

Footnotes:

No footnotes for this calendar year.

EXHIBIT B
QUANTIFICATION AND TRANSFERS¹
In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
			IID Priority 3a										CVWD Priority 3a										
			Reductions										Reductions			Additions							
			³ IID Priority 3a Quantified Amount	³ IID Reduction: MWD 1988 Agreement Transfer	³ IID Reduction: SDCWA Transfer	⁴ IID Reduction: AAC Lining & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁶ IID Reduction: MWD Transfer with Salton Sea Restoration	⁸ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs	IID Reductions: Total Amount (sum of columns 4 through 11)	¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	CVWD Priority 3a Quantified Amount	⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD	CVWD Net Consumptive Use Amount (columns 14 + 17 plus columns 18 + 19)	Total Priority 3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 1+16)	¹³ ISG Benchmarks	¹² Annual Targets
1	2003	420	3,100	110	10	0	5	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740	
2	2004	420	3,100	110	20	0	10	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707	
3	2005	420	3,100	110	30	0	15	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674	
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603	
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037 ²	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047 ³	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077 ⁴	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

¹ Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
² Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
³ IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
⁴ Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
⁵ Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
⁶ Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent.
⁷ MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
⁸ IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts
⁹ Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
¹⁰ For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
¹¹ For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
¹² All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
¹³ Assumes SDCWA does not elect termination in year 35.
¹⁴ Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
 Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals

WATER SUBJECT TO TEMPORARY RE-REGULATION CAPTURED AT THE REQUEST OF THE U. S. BUREAU OF RECLAMATION

Water from Colorado River system storage spilled or released for flood control purposes, or released to fill a water order but not then diverted by an entitlement holder, may flow to the NIB in excess of Treaty obligations with Mexico. Historically, this water has been subject to temporary re-regulation by Reclamation, for example, when it has been captured and held in Senator Wash Reservoir. Beginning in 1992, operation of Senator Wash Reservoir has been restricted due to dam safety concerns.

In February and March of 2005, in response to heavy rainfall occurring in a watershed that is tributary to the lower Colorado River, Reclamation released water from Lake Havasu to protect the integrity of Parker Dam. Also, as a result of these rainstorms, Colorado River water ordered by entitlement holders and released from Hoover Dam was not diverted. In an effort to prevent a portion of these releases from being lost to beneficial use within the United States as excess flows to the NIB, and in light of the current storage capacity limitation at Senator Wash Reservoir, Reclamation sought to effect the temporary re-regulation of this water. This water could not otherwise have been stored by Reclamation works or taken by a water user under a Colorado River entitlement.

In 2005, a portion of this water was captured and stored by water users at the specific request of Reclamation to permit the beneficial use of that water within the United States. This

temporarily re-regulated water, under the terms of the agreements entered into between Reclamation and the water users, will be fully restored to Colorado River system storage in future years.

These water users' efforts in assisting Reclamation in the temporary re-regulation of water served to prevent that water from being lost to beneficial use in the United States. Reclamation recognizes the water users' efforts as a form of extraordinary conservation and has credited the water users with an amount equal to 25% of the quantity captured and stored at Reclamation's specific request. The water users will be permitted to use these credits to satisfy specified payback obligations.

Description of Table

The tabulation titled "Water Subject to Temporary Re-Regulation" displays the amount of water captured for temporary re-regulation by a water user under a written agreement with Reclamation. It includes the amount of water restored to system storage, and the amount of extraordinary conservation credits available to the water user to meet specified payback obligations.

WATER SUBJECT TO TEMPORARY RE-REGULATION ¹
CALENDAR YEAR 2005

12/17/2006

(ACRE-FEET)

		Ftnts	BOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CALIFORNIA																
IMPERIAL IRRIGATION DISTRICT ²	CAPTURED FOR RE-REGULATION	3		0	8,643	12,997	0	0	0	0	0	0	0	0	0	21,640
	NET RE-REGULATORY CAPTURE	4		0	8,529	12,947	0	0	0	0	0	0	0	0	0	21,476
	BALANCE - PREVIOUS YEARS	5														15,880
	RESTORED TO SYSTEM STORAGE	6		0	0	0	0	1,267	8,262	5,471	0	0	0	0	0	15,000
	EOY CAPTURE BALANCE	7	15,880	15,880	24,409	37,356	37,356	36,089	27,827	22,356	22,356	22,356	22,356	22,356	22,356	22,356
	BOY ACCRUED CREDIT	8		0	2,132	3,237	0	0	0	0	0	0	0	0	0	5,369
	APPLIED TO PAYBACK OBL.	9		0	2,132	3,237	0	0	0	0	0	0	0	0	0	5,369
	EOY ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0
METROPOLITAN WATER DISTRICT²																
	CAPTURED RE-REGULATION	3		0	6,145	15,504	0	0	0	0	0	0	0	0	0	21,649
	NET RE-REGULATORY CAPTURE	4		0	6,145	15,504	0	0	0	0	0	0	0	0	0	21,649
	BALANCE - PREVIOUS YEARS	5														0
	RESTORED TO SYSTEM STORAGE	11		0	0	0	0	0	0	0	0	0	0	0	0	0
	EOY CAPTURE BALANCE	7		0	6,145	21,649	21,649	21,649	21,649	21,649	21,649	21,649	21,649	21,649	21,649	21,649
	BOY ACCRUED BENEFIT	8		0	1,536	3,876	0	0	0	0	0	0	0	0	0	5,412
	APPLIED TO PAYBACK OBL.	9		0	0	0	0	0	0	0	0	0	0	0	0	0
	EOY ACCRUED BENEFIT BALANCE	10		0	1,536	3,876	0	0	0	0	0	0	0	0	0	5,412
CALIFORNIA TOTALS																
	CAPTURED FOR RE-REGULATION	3		0	14,788	28,501	0	0	0	0	0	0	0	0	0	43,289
	NET RE-REGULATORY CAPTURE	4		0	14,674	28,451	0	0	0	0	0	0	0	0	0	43,125
	BALANCE - PREVIOUS YEARS	5														15,880
	RESTORED TO SYSTEM STORAGE	6		0	0	0	0	1,267	8,262	5,471	0	0	0	0	0	15,000
	EOY CAPTURE BALANCE	7	15,880	15,880	30,554	59,005	59,005	57,738	49,476	44,005	44,005	44,005	44,005	44,005	44,005	44,005
	BOY ACCRUED CREDIT	8		0	3,669	7,113	0	0	0	0	0	0	0	0	0	10,781
	APPLIED TO PAYBACK OBL.	9		0	2,132	3,237	0	0	0	0	0	0	0	0	0	5,369
	EOY ACCRUED CREDIT BALANCE	10		0	1,536	3,876	0	0	0	0	0	0	0	0	0	5,412

Footnotes:

- 1/ The temporary re-regulation of river water, otherwise flowing to Mexico in excess of treaty requirements, may be effected at the request of Reclamation through the capture and temporary storage of this water.
- 2/ IID and MWD have entered into agreements for Temporary Re-regulation of Colorado River water. Under these agreements each re-regulating entity will effect temporary storage of Colorado River water released from system storage that would otherwise flow to Mexico in excess of Treaty obligations. Each entity will perform conservation measures to return 100% of the water stored under this agreement back to the system during the year following publication of the Colorado River Accounting and Water Use Report which reflects Water Subject to Temporary Re-regulation stored in 2004 or 2005. The re-regulating entity will be allowed to apply 25% of the captured water towards payback of Exhibit C obligations. The re-regulatory water captured and temporarily stored will not be accounted against the entity's entitlement or the State of California's apportionment during the year of capture, it will be accounted as a diversion and use during the year when it is restored to system storage.
- 3/ Total amount of water captured from the river in 2005 to effect temporary re-regulation.
- 4/ The net amount of water captured from the river to effect temporary re-regulation of water.
- 5/ Balance of accumulated re-regulatory water in storage from previous years. This would occur in the event Reclamation requests re-regulatory capture in successive years as has occurred in 2004 and 2005.
- 6/ The amount of re-regulatory water restored to system storage during the calendar year. This amount of water was conserved by IID and IID reduced its net diversions in accordance with the CRWDA, Exhibit C, column 7.
- 7/ Monthly cumulative net capture less re-regulatory water restored to system storage in 2005.
- 8/ IID and MWD engaged in extraordinary conservation by assisting Reclamation in the temporary re-regulation of Colorado River water that would otherwise be lost to beneficial use in the United States. Reclamation credited IID and MWD an amount equal to 25% of the re-regulated water captured. Each entity may apply these extraordinary conservation credits towards payback of CRWDA, Exhibit C obligations.
- 9/ The amount of accrued extraordinary conservation credits applied toward the repayment of CRWDA, Exhibit C obligations during the calendar year.
- 10/ The amount of accrued extraordinary conservation credits remaining at the end of the calendar year. Calculated as the BOY accrued credit balance less any extraordinary conservation credit used for payback during the calendar year.
- 11/ The amount of re-regulatory water temporarily stored in MWD's system and restored to system storage during the calendar year.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2005

These documents are provided to give the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted the Bureau of Reclamation's delivery of Colorado River water during 2005.

The compact disk (CD) located in the pocket on the back cover of this report contains a searchable version of the 2005 Water Accounting report and the documents significant to the delivery of Colorado River water in 2005. These electronically filed documents are in searchable Adobe Acrobat[®] (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms page at the beginning of this report. Those seeking additional water accounting information are encouraged to log on to the following website, where all previous water accounting reports can be viewed and the complete PDF file can be downloaded: www.usbr.gov/lc/region/g4000/wtracct.html.

REPORTS:

2005 Annual Operating Plan (AOP) Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2005 given current and anticipated conditions

- CD file name: 2005 AOP Executive Summary

AGREEMENTS:

The Colorado River Water Delivery Agreement: Federal Quantification Settlement Agreement (QSA)

Water delivery agreement between the United States, IID, CVWD, MWD and SDCWA. This agreement quantifies the consumptive use allowances for the aforementioned water users. The agreement also addresses terms and conditions of water deliveries.

- CD file name: CRWDA 2003-10-20

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2005 (cont.)**

The Inadvertent Overrun and Payback Policy (IOPP)

Terms and conditions for repaying inadvertent overruns of Colorado River water.

- CD file name: Inadvertent Overrun and Payback Policy

The Storage and Interstate Release Agreement (SIRA)

Water Banking Agreement between AWBA, SNWA and the CRC of NV. This agreement allows SNWA to acquire long-term water storage credits that are to be held by AWBA. These credits can be exchanged in a later year for Colorado River water made available when users in Arizona develop ICUA.

- CD file name: Storage and Interstate Release Agreement

Re-Regulation Letter Agreement – USBR/IID

Letter Agreement between Reclamation and IID. This agreement allows IID to capture excess flows from the Colorado River on a temporary basis to assist Reclamation in reducing the amount of water passing to Mexico in excess of Treaty requirements.

- CD file name: IID Re-Regulation Agreement

Re-Regulation Letter Agreement – USBR/MWD

Letter Agreement between Reclamation and MWD. This agreement allows MWD to capture excess flows from the Colorado River on a temporary basis to assist Reclamation in reducing the amount of water passing to Mexico in excess of Treaty requirements.

- CD file name: MWD Re-Regulation Agreement

MWD – PVID Forbearance and Fallowing Program Agreement

Agreement between MWD and PVID that allows for lands to be fallowed within PVID. This agreement was executed August 18, 2004, with fallowing beginning in January, 2005.

- CD file name: 2004 MWD-PVID Forbearance and Fallowing Program Agreement

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2005 (cont.)**

LETTERS:

Letter request from IBWC asking for emergency water for Tijuana

- CD file name: Emergency Water Request 2005-09-26 to 2005-10-01

Letter response from SDCWA to IBWC concerning emergency Tijuana water

- CD file name: SDCWA-IBWC Emergency Tijuana Water

Letter from SNWA to MWD requesting to store water in California

- CD file name: SNWA Water Banking Request CA 2005-04-08

Letter from MWD to SNWA in response to SNWA's request for MWD to store water under SIRA

- CD file name: MWD Response to SNWA Storage Request 2005-06-27

Letter from CRC NV to Reclamation requesting Article II(B)(6) water from AZ's unused apportionment in 2005

- CD file name: CRC NV Request for IIB6 Water 2006-11-03

Letter from Reclamation to CRC NV regarding request for Article II(B)(6) water

- CD file name: BOR – CRC NV Art IIB6 Response 2006-12-18

Letter from MWD to Reclamation requesting Article II(B)(6) water from AZ's unused apportionment in 2005

- CD file name: MWD Request for IIB6 Water 2006-11-28

Letter from Reclamation to MWD regarding request for Article II(B)(6) water

- CD file name: BOR – MWD Art IIB6 Response 2006-12-18

Letter from Reclamation to MWD validating 2005 CRWDA Exhibit C payback amounts

- CD file name: 2005 MWD CRWDA Exh C Payback 2006-12-15

**DOCUMENTS AND LETTERS SIGNIFICANT
TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2005 (cont.)**

Letter from Reclamation to IID validating 2005 CRWDA Exhibit C payback amounts

- CD file name: 2005 IID CRWDA Exh C Payback 2006-12-15

Letter from Reclamation to CVWD validating 2005 CRWDA Exhibit C payback amounts

- CD file name: 2005 CVWD CRWDA Exh C Payback 2006-12-15

MAPS:

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations.

- CD file name: USGS Pump Maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2006 - Revised



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2006 - Revised

Prepared by

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Boulder Canyon Operations Office**

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

**Revised
December 2008**

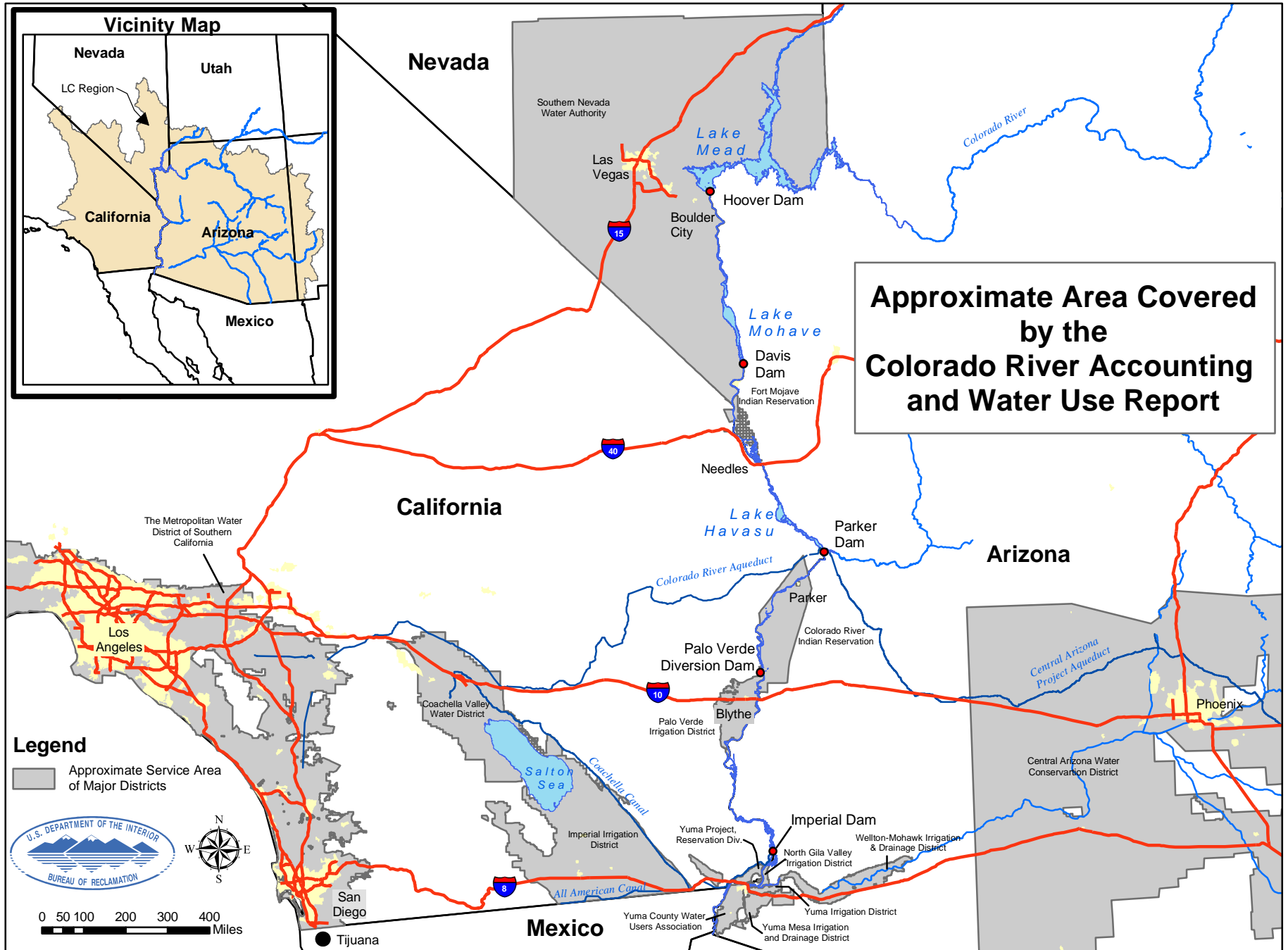


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Acronyms and Abbreviated Terms

These acronyms and abbreviations will be found in the text, footnotes, and headings within this document.

AAC	All-American Canal	FYIR	Fort Yuma Indian Reservation
af	acre-feet, unit of water measurement	GGMC	Gila Gravity Main Canal
ADP	Arizona diesel pump	ICUA	intentionally created unused apportionment
ADW	Arizona diesel well	I.D.D.	irrigation and drainage district
AEP	Arizona electric pump	IBWC	International Boundary and Water Commission
AEW	Arizona electric well	I&D	Irrigation and Drainage
ALTSC	accumulated long term storage credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOPP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	ISG	Colorado River Interim Surplus Guidelines
ASLD	Arizona State Land Department	IUS	Interstate Underground Storage credits
Assn.	Association	kaf	Kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning of year	LLC	Limited Liability Company
CAWCD	Central Arizona Water Conservation District	LTD	Limited
CDP	California diesel pump	LTSC	Long Term Storage Credit
CDW	California diesel well	MWD	The Metropolitan Water District of Southern California
CDEW	California diesel electric well	MOD	Main Outlet Drain
CEP	California electric pump	MODE	Main Outlet Drain Extension
CEW	California electric well	MEAS.	Measured (as in Measured Returns)
CFR	Code of Federal Regulations	M&I	municipal and industrial
CRBC	Colorado River Board of California	NIB	Northerly International Boundary
CRCN	Colorado River Commission of Nevada	PG & E	Pacific Gas and Electric Company
CRIT	Colorado River Indian Tribes	PVID	Palo Verde Irrigation District
CRWDA	Colorado River Water Delivery Agreement	QSA	Quantification Settlement Agreement
CU	consumptive use	SCE	Southern California Edison Company
CVWD	Coachella Valley Water District	SIRA	Storage and Interstate Release Agreement
CY	calendar year	SDCWA	San Diego County Water Authority
Diff.	difference	SLRSP	San Luis Rey Settlement Parties
Dist.	district	SNWA	Southern Nevada Water Authority
DPOC	drainage pump outlet channel	USBR	United States Bureau of Reclamation
ET	evapotranspiration	USGS	United States Geological Survey
EOY	end of year	UNMEAS	unmeasured (e.g. unmeasured returns)
FEIS	Final Environmental Impact Statement	YAO	Yuma Area Office (USBR)
Ftns	Footnotes (used as a column heading)	YFO	Yuma Field Office (BLM)

S U M M A R Y
 COLORADO RIVER ACCOUNTING AND WATER USE REPORT
 CALENDAR YEAR 2006

		12/2008	(ACRE-FEET)												
		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY															
ARIZONA			193,234	186,756	185,166	292,725	335,434	331,021	215,921	165,274	234,664	266,057	173,127	203,486	2,782,866
CALIFORNIA			244,984	253,322	328,403	433,337	492,627	484,064	511,635	470,465	383,406	312,303	223,065	197,687	4,335,299
NEVADA			12,649	12,919	14,370	20,964	33,779	32,469	34,456	35,906	30,985	26,389	21,253	16,725	292,864
TOTAL CONSUMPTIVE USE, LOWER DIVISION STATES			450,868	452,997	527,939	747,027	861,840	847,554	762,012	671,645	649,056	604,749	417,445	417,897	7,411,029
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS			123,770	149,056	206,283	193,325	108,570	127,251	121,879	92,705	89,308	70,097	98,764	118,993	1,500,000
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC			8,679	7,677	8,437	7,557	7,407	8,829	9,071	9,749	9,970	10,362	10,071	9,505	107,314
WATER PASSING TO MEXICO IN EXCESS OF TREATY			2,513	1,272	2,754	884	988	718	2,615	6,180	4,526	9,566	1,199	3,017	36,232
TOTAL CU, LOWER DIVISION STATES AND DELIVERIES TO MEXICO	2/		585,830	611,002	745,413	948,793	978,805	984,353	895,577	780,279	752,859	694,774	527,479	549,412	9,054,575
LCWSP PUMPING SUMMARY															
	3/	NON-FEDERAL	0	0	0	0	0	0	0	0	501	388	90	0	979
	3/	FEDERAL	0	0	0	0	0	0	0	0	222	171	40	0	433
		TOTAL	0	0	0	0	0	0	0	0	723	559	130	0	1,412
RESERVOIR CONTENTS SUMMARY (Thousand Acre-Feet)															
		DEC 2005	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
LOWER BASIN TOTAL STORAGE	4/	17,344	17,528	17,693	17,566	17,189	16,722	16,424	16,272	16,291	16,026	16,008	16,088	16,327	-1,017
LOWER BASIN STORAGE PLUS LAKE POWELL	5/	28,920	28,734	28,486	28,270	28,282	28,980	29,190	28,688	28,308	27,943	28,534	28,504	28,403	-517
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL		55.0%													
OFFSTREAM INTERSTATE STORAGE SUMMARY															
			B.O.Y. Balance		2006 Storage		E.O.Y. Balance								
WATER STORED IN AZ FOR THE BENEFIT OF NV & CA	6/	NEVADA	237,065		175,569		412,634								
		CALIFORNIA	80,909		0		80,909								
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV	7/	NEVADA	20,000		5,000		25,000								

Note to Reader: each section of this report and each division within a section, has its own sequence of footnotes.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Sum of Total Consumptive Use in the Lower Division States, Deliveries to Mexico in Satisfaction of Treaty, Water Bypassed Pursuant of the IBWC Minute No. 242 and water passing to Mexico in excess of treaty requirements.
- 3/ Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.
- 4/ Sum of End of Month storage in Lakes Mead, Mohave and Havasu (Lower Basin).
- 5/ Sum of End of Month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
- 6/ Final verified total of Accumulated Long-Term Storage Credits reported by Arizona Water Banking Authority. The 2006 storage value for Arizona is estimated from the diversion.
- 7/ In 2004 MWD, SNWA and the Secretary of the Interior entered into a Storage and Interstate Release Agreement to allow MWD to divert and store water for the benefit of SNWA.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2006

	12/2008	(THOUSAND ACRE-FEET)												CY CHANGE	
	Ftnts	DEC 2005	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
END OF MONTH ACTIVE CONTENTS:															
LAKE POWELL		11,576	11,206	10,793	10,704	11,093	12,258	12,766	12,416	12,017	11,917	12,526	12,416	12,076	500
PERCENTAGE OF POWELL ACTIVE STORAGE	3/	47.6%	46.1%	44.4%	44.0%	45.6%	50.4%	52.5%	51.0%	49.4%	49.0%	51.5%	51.0%	49.7%	
LAKE MEAD		15,131	15,335	15,520	15,337	14,966	14,470	14,178	13,993	14,005	13,887	13,964	14,014	14,164	-967
LAKE MOHAVE		1,634	1,631	1,626	1,665	1,665	1,690	1,670	1,695	1,706	1,584	1,467	1,508	1,579	-55
LAKE HAVASU		579	562	547	564	558	562	576	584	580	555	577	566	584	5
STORAGE IN LOWER BASIN	4/	17,344	17,528	17,693	17,566	17,189	16,722	16,424	16,272	16,291	16,026	16,008	16,088	16,327	-1,017
PERCENTAGE OF CO. RIVER ACTIVE STORAGE IN THE LOWER BASIN	5/	61.3%	61.9%	62.5%	62.1%	60.7%	59.1%	58.0%	57.5%	57.6%	56.6%	56.6%	56.8%	57.7%	
LOWER BASIN STORAGE PLUS LAKE POWELL	6/	28,920	28,734	28,486	28,270	28,282	28,980	29,190	28,688	28,308	27,943	28,534	28,504	28,403	-517
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL	7/	55.0%	54.6%	54.1%	53.7%	53.7%	55.1%	55.5%	54.5%	53.8%	53.1%	54.2%	54.2%	54.0%	
TOTAL SYSTEM STORAGE	8/	34,433	34,181	33,868	33,615	33,747	34,712	35,007	34,449	33,973	33,521	34,200	34,177	33,972	-461
PERCENTAGE OF TOTAL SYSTEM STORAGE	9/	58.0%	57.6%	57.0%	56.6%	56.8%	58.5%	59.0%	58.0%	57.2%	56.4%	57.6%	57.6%	57.2%	

Footnotes:

- 1/ Values may differ from figures shown due to rounding and being displayed to the nearest thousand acre feet.
- 2/ CY change is the difference in end of month storage between December of the previous year and December of the reporting year.
A positive value represents an increase in water in storage, and a negative value indicates a decrease in water in storage.
- 3/ Percentage of total active storage capacity available in Lake Powell. Based on total active storage of 24,322,000 af.
- 4/ The sum of end-of-month storage in Lakes Mead, Mohave and Havasu.
- 5/ The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on active storage of 28,306,000 af.
- 6/ The sum of end-of-month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
- 7/ The percentage of available total active storage capacity held in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active storage of 52,628,000 af.
- 8/ Total end-of-month system storage, includes USBR reservoirs in Upper and Lower basins of the Colorado River.
- 9/ The percentage of total end-of-month system storage. This includes Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active system storage of 59,383,125 af.

Note: For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulation for calendar year 2006 shows the final records for releases of water through regulatory structures controlled by the United States. Releases from Glen Canyon and Hoover Dams are measured and reported by U.S.B.R. The Davis, Parker, Palo Verde, Imperial, and Laguna Dams records of releases are furnished by the U.S.G.S. based on measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

CALENDAR YEAR 2006

STRUCTURE	12/2008	(ACRE-FEET)												
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM		800,027	800,247	601,972	602,905	601,542	801,175	828,681	827,020	536,200	606,031	602,548	800,703	8,409,051
HOOVER DAM		594,600	610,600	830,200	989,900	1,071,000	1,036,000	967,000	817,900	633,100	563,700	524,700	620,600	9,259,300
DAVIS DAM		595,600	628,200	797,400	971,900	1,046,000	1,085,000	974,700	817,600	770,900	715,700	507,000	563,600	9,473,600
PARKER DAM		359,200	433,100	599,700	713,200	737,800	736,900	718,700	623,600	538,900	450,900	353,900	326,300	6,592,200
HEADGATE ROCK DAM	1/	332,870	401,650	554,120	656,500	663,410	661,530	642,060	554,380	487,380	413,980	327,390	294,020	5,989,290
PALO VERDE DAM		308,800	376,100	508,900	602,700	604,800	562,700	552,300	460,400	399,300	347,600	268,200	236,200	5,228,000
IMPERIAL DAM	2/	31,240	25,900	43,030	33,630	23,420	25,150	28,740	36,430	33,320	33,120	24,960	29,770	368,710
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		738	722	697	793	879	841	773	708	823	733	553	624	8,884
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		31,978	26,622	43,727	34,423	24,299	25,991	29,513	37,138	34,143	33,853	25,513	30,394	377,594
LAGUNA DAM		30,920	28,950	37,200	30,680	25,230	32,640	26,620	26,380	27,170	31,390	21,560	28,190	346,930

Note: All data is supplied by the USGS with the exception of the releases from Glen Canyon Dam and Hoover Dam, which are provided by the USBR.

Footnotes:

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

2/ Represents flow below Imperial Dam, does not include diversions through the All American Canal (AAC) and the Gila Gravity Main Canal (GGMC).

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH
ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT
IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2006 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each State. The records were furnished by the U.S. Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation (Reclamation), National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each State. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream and consumptive use are also listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For USGS reported wells and pumps, the diversions are assumed to be equal to 6.25 acre-feet per irrigated acre of land per year. Unmeasured returns are computed by multiplying a users' diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice any error or omission, please report it to the contact person listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF ARIZONA

12/2008		(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)		2	3	3	6	10	11	12	13	15	9	5	3	92
	DIVERSION	2	3	3	6	10	11	12	13	15	9	5	3	92
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	2	3	3	6	10	11	12	13	15	9	5	3	92
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)		10	12	15	14	20	25	30	32	22	21	13	12	226
	DIVERSION	10	12	15	14	20	25	30	32	22	21	13	12	226
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	10	12	15	14	20	25	30	32	22	21	13	12	226
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM		1	2	2	2	3	4	5	5	5	5	6	4	44
	DIVERSION	1	2	2	2	3	4	5	5	5	5	6	4	44
	MEAS. RETURNS	1	2	2	2	3	4	5	5	5	5	6	3	43
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	1	1
BULLHEAD CITY PUMPED FROM WELLS DIV. AT DAVIS DAM, MOHAVE CO. PARKS		779	760	802	843	1,018	1,121	1,189	1,313	1,021	1,092	779	774	11,491
	DIVERSION	779	760	802	843	1,018	1,121	1,189	1,313	1,021	1,092	779	774	11,491
	MEAS. RETURNS	8	6	7	9	11	12	9	11	9	6	6	7	101
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	260	253	267	281	340	374	395	437	340	362	259	258	3,826
	CONSUMPTIVE USE	527	513	542	571	689	759	803	887	690	736	526	523	7,766
MOHAVE VALLEY WATER CONSERVATION DIST. PUMPED FROM WELLS		73	71	76	72	96	101	93	101	101	75	80	57	996
	DIVERSION	73	71	76	72	96	101	93	101	101	75	80	57	996
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	24	23	25	24	32	33	31	33	33	25	26	19	328
	CONSUMPTIVE USE	49	48	51	48	64	68	62	68	68	50	54	38	668
BROOKE WATER LLC PUMPED FROM RIVER		33	38	37	32	40	41	47	48	43	36	34	30	459
	DIVERSION	33	38	37	32	40	41	47	48	43	36	34	30	459
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	11	13	12	11	13	14	16	16	14	12	11	10	153
	CONSUMPTIVE USE	22	25	25	21	27	27	31	32	29	24	23	20	306
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS PUMPED FROM TOPOCK MARSH INLET		1,057	1,992	2,363	3,163	3,146	6,543	4,096	3,423	3,935	2,288	1,946	1,554	35,506
	DIVERSION	1,057	1,992	2,363	3,163	3,146	6,543	4,096	3,423	3,935	2,288	1,946	1,554	35,506
	DIVERSION	0	0	70	116	97	42	48	96	111	51	22	22	675
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	486	916	1,119	1,508	1,492	3,029	1,906	1,619	1,861	1,076	905	725	16,642
	CONSUMPTIVE USE	571	1,076	1,314	1,771	1,751	3,556	2,238	1,900	2,185	1,263	1,063	851	19,539
FORT MOJAVE INDIAN RESERVATION PUMPED FROM RIVER PUMPED FROM TOPOCK MARSH INLET DELIVERED BY CITY OF NEEDLES	2/	1,788	3,792	4,909	4,941	7,384	8,241	8,700	9,324	4,513	3,055	1,721	1,350	59,718
	DIVERSION	1,788	3,792	4,909	4,941	7,384	8,241	8,700	9,324	4,513	3,055	1,721	1,350	59,718
	DIVERSION	119	135	230	458	499	743	663	719	374	172	203	46	4,360
	DIVERSION	2	2	2	2	3	3	3	3	7	2	2	1	32
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	822	1,744	2,258	2,273	3,397	3,791	4,002	4,289	2,076	1,405	792	621	27,470
	CONSUMPTIVE USE	1,087	2,185	2,883	3,128	4,489	5,196	5,364	5,757	2,818	1,824	1,134	776	36,640
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	3/	23	27	37	40	50	60	66	63	50	42	28	29	515
	DIVERSION	23	27	37	40	50	60	66	63	50	42	28	29	515
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	8	9	12	13	17	20	22	21	17	14	9	10	172
	CONSUMPTIVE USE	15	18	25	27	33	40	44	42	33	28	19	19	343
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK MARSH INLET FARM DITCH PUMPED FROM ONE WELL IN THE FLOODPLAIN	4/	650	1,245	3,490	6,306	5,834	4,735	3,209	2,005	1,615	1,197	0	143	30,429
	DIVERSION	650	1,245	3,490	6,306	5,834	4,735	3,209	2,005	1,615	1,197	0	143	30,429
	DIVERSION	161	220	694	1,166	1,103	1,121	781	563	585	444	65	92	6,995
	DIVERSION	10	11	15	17	20	25	27	26	20	17	12	12	212
	MEAS. RETURNS	13	11	10	6	0	0	0	0	11	6	0	0	57
	UNMEAS. RETURNS	711	1,289	3,687	6,585	6,122	5,175	3,535	2,283	1,944	1,454	68	217	33,070
	CONSUMPTIVE USE	97	176	502	898	835	706	482	311	265	198	9	30	4,509

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF ARIZONA

WATER USER	Ftnts	(ACRE-FEET)												TOTAL 1/	
		12/2008	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
LAKE HAVASU I.D.D. (CITY) DISTRICT PUMPED FROM WELLS		DIVERSION	954	889	963	1,230	1,458	1,473	1,399	1,213	1,284	1,204	1,236	1,230	14,533
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	363	338	366	467	554	560	532	461	488	458	470	467	5,524
		CONSUMPTIVE USE	591	551	597	763	904	913	867	752	796	746	766	763	9,009
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU WATER DIVERTED TO STORAGE FOR SNWA		DIVERSION	150,827	121,435	90,479	155,462	162,358	172,623	68,380	10,158	98,670	164,521	99,781	132,892	1,427,586
		DIVERSION	2,289	5,720	7,881	10,527	13,115	9,141	8,759	36,843	38,363	16,373	19,354	20,762	189,127
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	153,116	127,155	98,360	165,989	175,473	181,764	77,139	47,001	137,033	180,894	119,135	153,654	1,616,713
TOWN OF PARKER PUMPED FROM 1 MUNICIPAL WELL	5/	DIVERSION	50	51	54	67	91	97	107	103	84	73	63	54	894
		MEAS. RETURNS	23	20	23	23	22	20	25	22	19	20	20	20	257
		UNMEAS. RETURNS	14	15	15	19	26	28	30	29	24	21	18	15	254
		CONSUMPTIVE USE	13	16	16	25	43	49	52	52	41	32	25	19	383
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 PUMPS AND MUNICIPAL	6/	DIVERSION	26,330	31,450	45,580	56,700	74,390	75,370	76,640	69,220	51,520	36,920	26,510	32,280	602,910
		DIVERSION	534	640	839	930	1,152	1,365	1,491	1,435	1,135	957	704	677	11,859
		MEAS. RETURNS	15,758	14,719	18,867	19,114	20,896	21,754	24,609	24,138	19,788	18,365	15,567	16,289	229,864
		UNMEAS. RETURNS	1,478	1,765	2,553	3,170	4,155	4,220	4,297	3,886	2,896	2,083	1,497	1,813	33,813
		CONSUMPTIVE USE	9,628	15,606	24,999	35,346	50,491	50,761	49,225	42,631	29,971	17,429	10,150	14,855	351,092
EHRENBURG IMPROVEMENT ASSN. ONE RIVER PUMP		DIVERSION	32	26	29	34	45	50	52	45	46	47	39	30	475
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	9	7	8	10	13	14	15	13	13	13	11	9	135
		CONSUMPTIVE USE	23	19	21	24	32	36	37	32	33	34	28	21	340
CIBOLA VALLEY IRRIGATION DISTRICT CIBOLA VALLEY IRRIGATION DISTRICT MOHAVE COUNTY WATER AUTHORITY HOPI TRIBE		DIVERSION	753	807	829	1,180	1,555	2,116	1,914	2,196	1,404	386	187	298	13,625
		DIVERSION	190	363	385	365	847	1,170	1,043	1,134	921	163	96	0	6,677
		DIVERSION	192	596	263	255	664	1,177	1,159	1,092	920	110	89	168	6,685
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	323	503	421	513	874	1,272	1,173	1,260	925	188	106	133	7,691
		CONSUMPTIVE USE	812	1,263	1,056	1,287	2,192	3,191	2,943	3,162	2,320	471	266	333	19,296
CIBOLA NATIONAL WILDLIFE REFUGE PUMPED FROM 3 PUMPS		DIVERSION	632	549	1,003	842	1,263	1,226	1,503	950	1,559	1,137	1,602	1,039	13,305
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	240	209	381	320	480	466	571	361	592	432	609	395	5,056
		CONSUMPTIVE USE	392	340	622	522	783	760	932	589	967	705	993	644	8,249
IMPERIAL NATIONAL WILDLIFE REFUGE PUMPED FROM 4 PUMPS		DIVERSION	218	169	122	118	196	154	115	125	131	121	123	79	1,671
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	83	64	46	45	74	59	44	48	50	46	47	30	636
		CONSUMPTIVE USE	135	105	76	73	122	95	71	77	81	75	76	49	1,035
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS W, X, Y, Z		DIVERSION	0	1	3	0	4	1	1	3	2	0	0	0	15
		DIVERSION	19	22	19	60	89	128	95	94	89	42	27	29	713
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	19	23	22	60	93	129	96	97	91	42	27	29	728
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM *Use from ASLD lease has been deducted.		DIVERSION	378	412	603	758	1,156	1,437	1,587	994	668	631	426	279	9,330
		MEAS. RETURNS	39	7	77	33	34	38	85	19	-8	21	45	10	400
		UNMEAS. RETURNS	144	157	229	288	439	546	603	378	254	240	162	106	3,546
		CONSUMPTIVE USE	195	248	297	437	683	853	899	597	422	370	219	163	5,384

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF ARIZONA

		12/2008	(ACRE-FEET)											
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
WELLTON-MOHAWK I. & D. D. DIVERSION AT IMPERIAL DAM		18,898	24,980	31,912	43,787	48,630	46,569	39,901	36,590	33,491	30,448	22,831	23,959	401,996
		2,038	461	4,079	2,175	1,534	1,282	0	867	0	991	2,063	818	16,308
		1,350	1,228	1,046	68	267	317	378	281	629	497	361	529	6,951
	7/	8,420	7,430	7,990	6,770	7,070	8,600	9,110	9,470	9,360	9,980	9,930	9,680	103,810
		11,808	9,119	13,115	9,013	8,871	10,199	9,488	10,618	9,989	11,468	12,354	11,027	127,069
		0	0	0	0	0	0	0	0	0	0	0	0	0
		7,090	15,861	18,797	34,774	39,759	36,370	30,413	25,972	23,502	18,980	10,477	12,932	274,927
CITY OF YUMA DIVERSION AT IMPERIAL DAM (AAC)		1,938	1,858	1,879	1,879	2,331	2,620	2,815	2,790	2,508	2,211	1,967	1,987	26,783
DIVERSION AT IMPERIAL DAM (GILA)		0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED FOR MWD DESALTING STUDY		6	5	6	72	80	76	72	62	69	65	59	62	634
		835	819	817	768	787	689	645	782	719	701	679	806	9,047
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1,109	1,044	1,068	1,183	1,624	2,007	2,242	2,070	1,858	1,575	1,347	1,243	18,370
MARINE CORPS AIR STATION (YUMA) DIVERSION AT IMPERIAL DAM		137	251	111	370	162	189	186	176	172	135	117	98	2,104
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		137	251	111	370	162	189	186	176	172	135	117	98	2,104
SOUTHERN PACIFIC COMPANY DIVERSION AT IMPERIAL DAM		4	4	4	4	4	4	4	4	4	4	4	4	48
		0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	24
		2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSN. DIVERSION AT IMPERIAL DAM		0	0	0	0	0	0	0	0	0	0	0	1	1
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	1	1
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM (WARREN ACT)		58	32	28	56	66	83	0	0	0	0	0	0	323
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		58	32	28	56	66	83	0	0	0	0	0	0	323
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM		8	7	14	13	15	33	22	15	14	17	1	2	161
		0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	4	3	4	8	6	4	4	4	0	1	42
		6	5	10	10	11	25	16	11	10	13	1	1	119
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM (WARREN ACT)		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM		1	9	12	12	12	21	19	22	40	0	0	0	148
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	3	4	4	4	6	6	7	12	0	0	0	46
		1	6	8	8	8	15	13	15	28	0	0	0	102
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	8/	2,657	3,284	3,965	4,029	5,320	5,018	4,587	2,612	3,535	4,764	3,450	2,440	45,661
		1,800	1,926	2,335	2,254	2,793	2,790	2,537	1,861	2,023	2,721	2,146	1,725	26,911
		364	450	543	552	729	687	628	358	484	653	473	334	6,255
		493	908	1,087	1,223	1,798	1,541	1,422	393	1,028	1,390	831	381	12,495

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF ARIZONA

WATER USER	Ftnts	12/2008												TOTAL 1/
		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	8/	4,121	4,330	5,964	6,802	7,138	6,610	5,277	4,031	5,281	5,482	4,691	3,825	63,552
PUMPED FROM PRIVATE WELLS	9/	47	58	81	172	352	239	161	155	251	139	210	67	1,932
	10/	113	142	193	209	255	310	338	325	256	214	152	150	2,657
SURFACE RETURNS		1,450	913	2,092	1,664	1,549	1,495	1,010	1,011	1,048	1,181	1,372	893	15,678
PUMPED FROM WELLS	9/	0	0	0	0	0	0	0	0	0	0	0	0	0
		888	935	1,288	1,485	1,595	1,459	1,158	892	1,178	1,197	1,044	829	13,948
		1,830	2,540	2,665	3,825	4,346	3,895	3,270	2,283	3,306	3,243	2,485	2,170	35,858
YUMA MESA I. D. D.														
DIVERSION AT IMPERIAL DAM	8/	9,961	8,675	13,529	14,847	23,026	24,352	21,863	24,632	16,419	13,405	10,994	8,746	190,449
		7,595	7,240	9,256	9,095	6,281	6,212	6,729	9,333	6,585	5,230	5,144	4,502	83,202
		1,594	1,388	2,165	2,376	3,684	3,896	3,498	3,941	2,627	2,145	1,759	1,399	30,472
		772	47	2,108	3,376	13,061	14,244	11,636	11,358	7,207	6,030	4,091	2,845	76,775
UNIT "B" I. D. D.														
DIVERSION AT IMPERIAL DAM	8/	1,407	1,130	1,751	2,114	3,344	3,325	3,278	3,742	2,252	2,244	1,795	1,147	27,529
	8/	1,290	1,267	1,527	1,571	1,078	1,060	1,188	1,628	1,162	918	890	776	14,355
		0	0	0	0	0	0	0	0	0	0	0	0	0
		117	-137	224	543	2,266	2,265	2,090	2,114	1,090	1,326	905	371	13,174
FORT YUMA INDIAN RESERVATION														
DIVERSIONS FOR YUMA EAST WETLANDS		3	3	10	11	14	13	13	10	9	7	6	4	103
RANCH "5" LANDS, YUMA ISLAND, AZ (180 ac)		44	36	35	84	84	89	77	14	76	155	94	59	847
		0	0	0	0	0	0	0	0	0	0	0	0	0
		16	14	16	33	34	36	32	8	30	57	35	22	332
		31	25	29	62	64	66	59	16	55	105	65	41	617
YUMA COUNTY WATER USERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM		21,802	23,452	33,192	42,468	41,026	26,307	27,666	21,312	25,988	39,570	30,040	20,532	353,355
PUMPED FROM WELLS		45	70	567	84	41	56	29	65	73	0	108	17	1,155
		8,329	7,636	7,187	7,105	8,780	6,944	7,099	6,670	8,954	12,134	12,549	10,586	103,973
		459	494	709	894	862	554	582	449	547	831	633	432	7,446
		13,059	15,392	25,863	34,553	31,425	18,865	20,014	14,258	16,560	26,605	16,966	9,531	243,091
COCOPA INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM		381	398	479	330	424	661	1,139	692	294	259	183	27	5,267
PUMPED FROM WELLS	11/	1	1	8	1	0	1	1	2	1	0	1	0	17
		8	6	1	3	14	19	12	20	8	5	4	1	101
		0	0	3	0	0	0	0	1	0	0	0	0	4
		374	393	483	328	410	643	1,128	673	287	254	180	26	5,179
YUMA AREA OFFICE, USBR														
PUMPED FROM COOPER LATERAL		0	0	0	3	2	3	4	4	3	4	4	2	29
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	3	2	3	4	4	3	4	4	2	29
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	12/	6,647	4,866	4,540	5,058	6,108	6,654	6,583	6,397	5,388	6,507	6,768	7,014	72,530
		-6,647	-4,866	-4,540	-5,058	-6,108	-6,654	-6,583	-6,397	-5,388	-6,507	-6,768	-7,014	-72,530
		0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO														
RIVER AND WELLS IN FLOOD PLAIN DAVIS	13/	1,310	1,545	1,934	2,154	2,609	2,874	3,231	2,917	2,577	2,222	1,730	1,596	26,699
DAM TO INTERNATIONAL BOUNDARY		0	0	0	0	0	0	0	0	0	0	0	0	0
		458	541	677	754	913	1,006	1,131	1,020	901	778	605	557	9,341
		852	1,004	1,257	1,400	1,696	1,868	2,100	1,897	1,676	1,444	1,125	1,039	17,358
ARIZONA TOTALS														
		250,943	241,574	257,285	365,007	412,397	409,500	293,568	243,197	302,279	332,328	233,444	258,527	3,600,049
		55,596	48,551	59,849	55,709	57,216	57,878	60,015	62,504	55,691	59,282	57,544	53,652	683,487
		2,112	6,268	12,270	16,572	19,747	20,601	17,632	15,419	11,924	6,989	2,773	1,390	133,696
		193,234	186,756	185,166	292,725	335,434	331,021	215,921	165,274	234,664	266,057	173,127	203,486	2,782,866

Note: The term 'CONSUMPTIVE USE' in this tabulation means diversions including groundwater pumping, less measured return flow and less current estimated unmeasured return flow to the river.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF ARIZONA

		12/2008	(ACRE-FEET)												
WATER USER	Ftns		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversion amounts include deliveries to the Fort Mojave Tribe from the City of Needles and diversions from Topock Marsh Inlet canal.
- 3/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Havasu NWR diversion amounts have been adjusted downward for diversions out of the inlet channel by Mohave Valley Irrigation and Drainage District and Fort Mojave Indian Reservation.
- 5/ The Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- 6/ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- 7/ Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

8/ This is the summation for the Yuma Mesa Division of the Gila Project, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District and the Yuma Mesa Irrigation & Drainage District:

Item	Annual Totals (Acre-Feet)
Diversion at Imperial Dam	299,662
Pumped from wells	1,932
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	2,658
Return flow North Gila Valley (4 drains & wasteways)	8,228
Total Yuma Mesa Division Unmeasured Returns	50,675
Return flow Yuma Mesa Outlet Drain	45,341
Return flow protective and regulatory pumping unit	27,940
Estimated unmeasured groundwater return flow	26,248
Return flow share of Gila Main Canal loss	15,375
Subtotal return flow	176,465
Consumptive Use (see note above)	125,129

- A/ Total for the North Gila Valley, Yuma Irrigation, and the Yuma Mesa Irrigation and Drainage Districts.
- B/ 85 percent of the Yuma Mesa Outlet Drain credited to Yuma Mesa Irrigation and Drainage District with balance credited to 'Unit B'.
- C/ 85 percent of Protective and Regulatory Pumping Unit credited to Yuma Mesa Irrigation and Drainage District with balance credited to 'Unit B'.
- D/ Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
- E/ Diversion multiplied by the mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1,397 af/yr) and phreatophyte use (2,154 af/yr).

- 9/ Diversion and return amounts include pumpage from AEW-6,7,8,10,11,41. These wells were previously reported in the Arizona Supplemental Section.
- 10/ This is water diverted by YID and delivered to G. Ogram, Ogram Boy's Enterprises, and ASLD which lie outside of the YID service area. YID's GGMC Diversion has been reduced by an equal amount.
- 11/ Diversion amounts include pumpage from AEW-15,16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.
- 12/ Reclamation is engaged in a modeling study to determine the amount of water returning to the Colorado River upstream of NIB, and how this return is affected by pumping of the DPOC wellfield. Until comprehensive modeling of the Yuma area is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
- 13/ Details can be found on the Arizona Supplemental Sheets.

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2006
 STATE OF ARIZONA

12/2008

(ACRE-FEET)

WATER USER	Ftnts	USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company			1	1	1	2	3	3	3	4	4	5	4	4	35
SUBTOTAL, LEE FERRY TO DAVIS DAM	2/	DIVERSION	1	1	1	2	3	3	3	4	4	5	4	4	35
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	1	1	1	1	1	1	2	1	1	10
		CONSUMPTIVE USE	1	1	1	1	2	2	2	3	3	3	3	3	25
McAlister, M.			0	0	1	1	1	1	1	1	1	1	0	0	8
Crystal Beach Water Conservation District			9	9	10	10	10	10	10	10	10	9	9	9	115
Arizona-American Water Co.			36	45	62	67	82	99	108	104	82	69	49	47	850
Arizona State Parks (Windsor Beach)			1	2	3	4	8	5	6	6	5	4	2	2	48
SUBTOTALS, DAVIS DAM TO PARKER DAM	2/	DIVERSION	46	56	76	82	101	115	125	121	98	83	60	58	1,021
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	16	20	27	29	35	40	44	42	34	29	21	20	357
		CONSUMPTIVE USE	30	36	49	53	66	75	81	79	64	54	39	38	664
Hillcrest Water Co.			2	1	2	3	3	2	3	2	3	3	2	3	29
Rayner, Jack Jr.		AEP-9	80	100	137	147	180	219	239	230	180	151	107	106	1,876
Rayner, Jack Jr.		AEW-35	80	100	137	147	180	219	239	228	180	151	107	106	1,874
Arizona State Land Department (domestic use)			8	9	10	10	13	9	12	13	11	9	8	7	119
Arizona State Land Department (agricultural use)			161	165	152	160	222	276	309	210	279	20	120	80	2,154
North Baja Pipeline, LLC, (TransCanada)			25	20	30	15	0	30	15	10	30	40	30	41	286
BLM Permitees (LHFO & YFO)			59	47	46	36	64	56	88	55	44	39	47	44	625
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2/	DIVERSION	415	442	514	518	662	811	905	748	727	413	421	387	6,963
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	145	155	180	181	232	284	317	262	254	145	147	135	2,437
		CONSUMPTIVE USE	270	287	334	337	430	527	588	486	473	268	274	252	4,526
Bard Date Gardens (Jessen Family LTD. Partnership)	3/	AEW-3	22	26	37	38	47	57	63	63	49	39	29	27	497
Bard Date Gardens (Jessen Family LTD. Partnership)	3/	AEP-1	21	24	35	37	46	54	60	58	45	37	28	26	471
Glen Curtis Citrus	3/	AEP-2/3,AEW-4/5,ADW-3	90	112	153	165	202	245	267	257	202	169	120	118	2,100
Youmans, R. (Beatty Farms Southwest)	3/	ADW-2	44	55	75	81	99	120	131	127	99	83	59	58	1,031
BLM Permitees (YFO)			16	16	16	16	19	19	20	20	20	19	19	19	219
Pratt, L.	3/	ADW-1	2	3	4	4	5	6	6	5	5	4	3	3	50
Ogram, George	3/	AEW-9 Delivered by YID	17	21	29	31	38	47	52	49	38	32	23	23	400
Ogram Boys Enterprises	3/	Delivered by YID	33	41	56	61	74	90	98	94	74	62	44	43	770
Peach	3/	AEW-12	0	0	0	0	0	0	0	0	0	0	0	0	0
Peach	3/	AEW-13/ AEW-48	13	17	23	25	30	36	40	38	30	25	18	18	313
Yucca Pwr Plant (Arizona Public Service Co.)	3/		38	17	42	24	35	66	72	66	102	92	54	50	658
Amigo Farms	3/	AEW-14, ADP-1	15	18	25	27	33	40	44	42	33	28	20	19	344
Curry Family Limited	3/	AEP-4, ADP-2	12	15	20	22	27	33	36	34	27	23	16	16	281
Power, P.	3/	ADP-3/4	33	41	56	60	74	90	98	94	74	62	44	43	769
Griffin Ranches Inc.	3/	ADP-3/4	2	3	4	5	7	8	9	9	7	6	6	4	70
Power, V. and M.	3/	ADP-3/4	8	12	19	21	26	31	34	32	26	21	15	15	260
Pasquinelli, Gary	3/	ADP-5	21	26	35	38	47	57	61	60	47	39	28	27	486
Arizona State Land Department (agricultural use)			461	599	714	897	1,034	946	1,107	996	870	980	719	638	9,960
SUBTOTALS, BELOW IMPERIAL DAM	2/	DIVERSION	848	1,046	1,343	1,552	1,843	1,945	2,198	2,044	1,748	1,721	1,245	1,147	18,680
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	297	366	470	543	645	681	769	715	612	602	436	401	6,537
		CONSUMPTIVE USE	551	680	873	1,009	1,198	1,264	1,429	1,329	1,136	1,119	809	746	12,143
TOTAL ARIZONA SUPPLEMENTAL TABULATION		DIVERSION	1,310	1,545	1,934	2,154	2,609	2,874	3,231	2,917	2,577	2,222	1,730	1,596	26,699
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	458	541	677	754	913	1,006	1,131	1,020	901	778	605	557	9,341
		CONSUMPTIVE USE	852	1,004	1,257	1,400	1,696	1,868	2,100	1,897	1,676	1,444	1,125	1,039	17,358

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2006
 STATE OF ARIZONA

12/2008

(ACRE-FEET)

WATER USER	Ftnts	USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Footnotes:

- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
- 2/ Monthly and annual totals rounded and displayed to the nearest whole number.
- 3/ Calculated by assuming an annual diversion rate of 6.25 af per acre.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF CALIFORNIA

		12/2008	(ACRE-FEET)												
WATER USER	Ftrnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOJAVE INDIAN RESERVATION															
DELIVERED BY CITY OF NEEDLES	2/	DIVERSION	2	2	2	3	3	3	3	4	5	2	2	1	32
PUMPED FROM RIVER AND WELLS		DIVERSION	630	1,141	1,399	2,081	2,129	2,972	2,096	2,794	2,113	890	460	90	18,795
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	292	528	647	963	985	1,374	970	1,293	979	412	213	42	8,698
		CONSUMPTIVE USE	340	615	754	1,121	1,147	1,601	1,129	1,505	1,139	480	249	49	10,129
CITY OF NEEDLES															
PUMPED FROM FOUR WELLS IN FLOODPLAIN		DIVERSION	160	143	164	216	281	293	297	303	219	198	192	160	2,626
		MEAS. RETURNS	26	23	26	35	45	47	48	49	35	32	31	26	423
		UNMEAS. RETURNS	30	27	30	40	52	54	55	56	41	37	36	30	488
	3/	CONSUMPTIVE USE	104	93	108	141	184	192	194	198	143	129	125	104	1,715
CHEMEHUEVI INDIAN RESERVATION															
PUMPED FROM RIVER AND WELLS		DIVERSION	15	11	30	17	23	25	29	26	22	61	18	17	294
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	7	5	14	8	11	12	13	12	10	28	8	8	136
		CONSUMPTIVE USE	8	6	16	9	12	13	16	14	12	33	10	9	158
METROPOLITAN WATER DISTRICT															
DIVERSION FROM LAKE HAVASU	4/	DIVERSION	42,457	35,509	38,658	59,230	73,437	73,909	77,987	84,472	56,190	20,889	10,658	21,148	594,544
WATER ALLOCATED TO SLRSP	5/	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	172	172
WATER EXCHANGED WITH SDCWA	6/	DIVERSION	3,333	3,333	3,334	3,333	3,333	3,334	3,333	3,333	3,334	3,333	3,333	4,176	40,842
		MEAS. RETURNS	265	239	265	256	257	246	345	245	242	255	253	266	3,134
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	45,525	38,603	41,727	62,307	76,513	76,997	80,975	87,560	59,282	23,967	13,738	25,230	632,424
RESTORATION OF RE-REGULATORY WATER BY MWD															
PARKER DAM AND GOVERNMENT CAMP	7/	CA CONSUMPTIVE USE	21,649	0	0	0	0	0	0	0	0	0	0	0	21,649
DIVERSION AT PARKER DAM															
		DIVERSION	10	11	12	15	17	23	18	21	16	16	13	12	184
		MEAS. RETURNS	2	2	2	2	10	10	10	11	10	2	2	2	65
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	8	9	10	13	7	13	8	10	6	14	11	10	119
COLORADO RIVER INDIAN RESERVATION															
3 RIVER PUMPS		DIVERSION	188	235	321	346	424	514	561	539	424	355	252	248	4,407
BIG RIVER DEVELOPMENT - 8 WELLS		DIVERSION	80	76	86	104	142	163	179	183	147	111	89	66	1,426
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	8/	UNMEAS. RETURNS	116	135	176	195	245	293	320	313	247	202	148	136	2,526
		CONSUMPTIVE USE	152	176	231	255	321	384	420	409	324	264	193	178	3,307
CITY OF WINTERHAVEN															
PUMPED FROM 1 WELL IN FLOODPLAIN	9/	DIVERSION	4	6	8	8	10	12	15	13	10	8	6	6	106
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	1	2	3	3	3	4	5	4	3	3	2	2	35
		CONSUMPTIVE USE	3	4	5	5	7	8	10	9	7	5	4	4	71
PALO VERDE IRRIGATION DISTRICT															
DIVERSION FROM PALO VERDE DAM		DIVERSION	36,540	51,620	61,870	72,490	91,720	98,680	102,400	103,700	78,640	63,980	45,530	44,150	851,320
		MEAS. RETURNS	28,607	29,828	34,962	34,973	40,147	40,369	41,203	43,244	39,508	42,391	36,125	37,392	448,749
		UNMEAS. RETURNS	2,046	2,891	3,465	4,059	5,136	5,526	5,734	5,807	4,404	3,583	2,550	2,472	47,673
		CONSUMPTIVE USE	5,887	18,901	23,443	33,458	46,437	52,785	55,463	54,649	34,728	18,006	6,855	4,286	354,898
YUMA PROJECT, RES. DIV. INDIAN UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	2,647	2,333	3,725	5,288	4,780	1,529	1,866	1,859	2,087	4,937	3,964	3,172	38,187
		MEAS. RETURNS	47	29	8	35	127	32	14	48	41	86	81	68	616
		UNMEAS. RETURNS	442	390	622	883	798	255	312	310	349	824	662	530	6,377
YUMA PROJECT, RES. DIV. BARD UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	2,401	2,076	3,978	4,854	5,971	3,493	3,955	2,125	2,666	3,472	3,703	2,063	40,757
		MEAS. RETURNS	26	15	5	19	94	52	21	32	35	39	46	27	411
		UNMEAS. RETURNS	401	347	664	811	997	583	660	355	445	580	618	345	6,806

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF CALIFORNIA

		12/2008	(ACRE-FEET)												
WATER USER	Ftrnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
RETURNS FROM YUMA PROJECT															
RESERVATION DIVISION RETURNS	10/	MEAS. RETURNS	1,282	1,649	1,645	1,953	2,126	1,718	1,730	1,985	1,969	2,204	2,633	2,658	23,552
SUM YUMA PROJECTS, RES. DIV. USE		CONSUMPTIVE USE	2,850	1,979	4,759	6,441	6,609	2,382	3,084	1,254	1,914	4,676	3,627	1,607	41,182
IMPERIAL IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM		DIVERSION	155,181	177,064	236,042	299,375	342,111	316,698	326,189	302,081	265,331	244,800	176,117	153,336	2,994,325
		MEAS. RETURNS	4,616	3,545	850	3,273	15,260	12,245	4,735	12,177	9,369	7,192	5,946	5,437	84,645
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	150,565	173,519	235,192	296,102	326,851	304,453	321,454	289,904	255,962	237,608	170,171	147,899	2,909,880
WATER TRANSFERRED TO SDCWA	11/	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CA CONSUMPTIVE USE	0	0	0	0	0	9,073	10,927	0	0	0	0	0	20,000
COACHELLA VALLEY WATER DISTRICT															
DIVERSION AT IMPERIAL DAM		DIVERSION	17,969	19,259	21,505	32,958	35,077	36,342	37,171	35,171	29,932	26,961	28,372	18,348	339,065
		MEAS. RETURNS	534	386	77	360	1,565	1,405	540	1,418	1,057	792	958	651	9,743
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	17,435	18,873	21,428	32,598	33,512	34,937	36,631	33,753	28,875	26,169	27,414	17,697	329,322
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN															
DAVIS DAM TO INTERNATIONAL BOUNDARY	12/	DIVERSION	818	974	1,306	1,564	1,830	2,187	2,358	2,139	1,809	1,699	1,187	1,092	18,963
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	360	429	576	677	802	961	1,034	939	795	747	519	478	8,318
		CONSUMPTIVE USE	458	545	730	887	1,028	1,226	1,324	1,200	1,014	952	668	614	10,645
CALIFORNIA TOTALS															
		DIVERSION	262,435	293,793	372,440	481,882	561,288	540,177	558,457	538,763	442,945	371,712	273,896	248,257	4,946,045
		MEAS. RETURNS	35,405	35,716	37,840	40,906	59,631	56,124	48,646	59,209	52,266	52,993	46,075	46,527	571,338
		UNMEAS. RETURNS	3,695	4,754	6,197	7,639	9,029	9,062	9,103	9,089	7,273	6,416	4,756	4,043	81,057
		CONSUMPTIVE USE	244,984	253,322	328,403	433,337	492,627	484,064	511,635	470,465	383,406	312,303	223,065	197,687	4,335,299

Note: The term 'CONSUMPTIVE USE' as used in this tabulation means diversions including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversion amounts include deliveries to the Tribe from the City of Needles (32af). Diversion listed as Pumped From River and Wells is provided by the Fort Mojave Indian Tribe and USBR.
- 3/ A portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 4/ MWD diversion figures do not include 16 af diverted in October and 23 af diverted in November for delivery for Tijuana, Mexico.
- 5/ Water available for allocation to the San Luis Rey Settlement Parties (SLRSP) as a result of the Coachella Canal Lining Project delivered to MWD pursuant to Section 7.6 of the October 10, 2003 Allocation Agreement.
- 6/ Water conserved by IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement.
The December 2006 volume includes the 842 acre-feet of conserved water resulting from the Coachella Canal Lining Project allocated to SDCWA pursuant to Article 10 of the October 10, 2003, Allocation Agreement.
- 7/ Details can be found on the "Water Subject to Temporary Re-regulation" page of the supplemental section of this report.
- 8/ Unmeasured returns calculated as 43% of Big River pumpage.
- 9/ Reported annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 10/ Unassigned Measured Returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
- 11/ This entry represents water to be conserved by IID and transferred to SDCWA, in accordance with CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended.
Water subject to temporary re-regulation was captured and temporarily stored by IID in the Salton Sea at Reclamation's request in 2004 and 2005. A portion of the temporarily re-regulated water was restored to the system by IID reduced diversions pursuant to Exhibit B Column 7 of the CRWDA. The use of this water does not constitute California agricultural usage for the purposes of meeting the ISG benchmark.
- 12/ Details can be found on the California Supplemental Sheets.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2006
 STATE OF CALIFORNIA

12/2008		(ACRE-FEET)												
WATER USER	Ftrnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	1/2/ CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	1/2/ CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Cal Gas	1/3/ CEW-21	3	4	5	6	7	8	9	9	7	6	4	4	72
Pacific Gas & Electric Company	3/	4	5	7	7	9	11	12	11	9	7	5	5	92
Havasu Water Company	3/ Needles rpt.	3	3	4	5	6	7	8	7	6	5	3	3	60
J. Victor Construction	3/ Chemehuevi rpt.	0	0	0	1	1	1	1	2	1	2	1	1	11
Wells reported under non-Federal subcontracts to LCWSP	3/ Needles rpt.	7	8	12	12	15	18	20	19	15	13	10	9	158
SUBTOTALS, DAVIS DAM TO PARKER DAM	4/ DIVERSION	17	20	28	31	38	45	50	48	38	33	23	22	393
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	4	4	6	7	9	10	11	11	9	8	6	5	91
	CONSUMPTIVE USE	13	16	22	24	29	35	39	37	29	25	17	17	302
Citrus Ranch (Lye, C. L.)	1/2/ CEW-16	2	3	4	4	5	6	6	5	5	4	3	3	50
Lake Enterprises of California		2	2	1	1	1	2	1	2	2	1	1	1	17
BLM Permittes (LHFO & YFO)	5/	12	3	3	66	35	29	42	31	26	23	31	25	326
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	4/ DIVERSION	16	8	8	71	41	37	49	38	33	28	35	29	393
	BLM UNMEAS. RETURNS	3	0	0	14	8	6	10	7	6	5	7	6	72
	UNMEAS. RETURNS	2	2	2	2	3	4	3	3	3	2	2	2	30
	CONSUMPTIVE USE	11	6	6	55	30	27	36	28	24	21	26	21	291
Wetmore, Kenneth C.		0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.		0	0	0	0	0	0	1	1	0	0	0	0	2
Carney, Jerome D.		0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.		0	0	1	1	1	1	1	1	1	1	1	0	9
<u>FORT YUMA IR - CA</u>														
Valdez, Mike	1/2/ CDP-1, 2, CEW-1	43	53	73	79	96	117	127	122	96	81	57	56	1,000
Steve Alameda (Living Earth Farm)	1/2/ CEW-2, CDP-3	23	29	40	43	53	65	71	67	53	44	31	31	550
Mike Valdez	1/2/ CEW-3, CDP-4, CDW-1	133	167	228	246	300	363	398	383	301	251	179	176	3,125
MivCo Packing	1/2/ CEW-14	37	47	64	69	84	102	111	107	84	71	50	49	875
Valdez, Mike	1/2/ CEW-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranch "5" Lands, Yuma Island, CA (351 ac)	6/ AAC diversion	86	70	67	164	163	174	151	28	149	302	183	114	1,651
Huerta Packing	1/2/ CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
Sum of pumping on FYIR - CA	4/	322	366	472	601	696	821	858	707	683	749	500	426	7,201
<u>YUMA ISLAND - CA</u>														
Arizona State Land Department Lessees														
Martin Family Trust	1/2/ CEP-01,02,CDW-07	51	63	86	91	114	140	151	145	114	98	68	67	1,188
Billy Turner	1/2/ CEW-08, CEP-03, CDW-07	31	38	52	57	69	84	91	88	69	58	41	41	719
Leroy Heile	1/2/ CDEW-01, CEW-07, CDW-06	51	63	86	93	114	139	151	145	114	97	68	67	1,188
James Williams	1/2/ CDW-5	11	13	18	20	24	29	32	31	24	20	14	14	250
Griffin Produce Company	1/2/ CEW-04,05,CDW-03	69	87	118	128	156	189	208	199	156	131	93	91	1,625
Perez Family Trust	1/2/ CEW-06, CDW-04	48	60	82	88	108	131	144	138	108	91	64	63	1,125
Clifford Winton Jr.	1/2/7/	10	13	17	19	23	28	30	29	23	19	14	13	238
Clara Jean Wilson	1/2/7/	11	13	18	20	24	29	32	31	24	20	14	14	250
Land, K. H.	1/2/ CDW-8 (CEW-12)	31	38	52	57	69	84	91	88	69	58	42	40	719
K.H. Easterday	1/2/ CEW-22	12	21	33	35	43	53	58	55	43	36	25	24	438
Wilson Farms	1/2/ CEW-11	15	18	25	27	33	40	44	42	33	28	20	19	344
R. Harp	1/2/ CDW-2	33	42	57	61	75	91	99	96	75	63	45	44	781
Dees, Alex	1/2/ CEW-9	47	58	80	85	105	128	139	134	105	88	63	62	1,094
Mike Palmer (Power, L.O.)	1/2/ CEW-13	43	53	73	79	96	117	127	122	96	81	57	56	1,000
Sum of pumping on Yuma Island - CA	4/	463	580	797	860	1,053	1,282	1,397	1,343	1,053	888	628	615	10,959
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	DIVERSION	785	946	1,270	1,462	1,751	2,105	2,259	2,053	1,738	1,638	1,129	1,041	18,177
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	351	423	568	654	783	941	1,010	918	777	732	505	465	8,125
	CONSUMPTIVE USE	434	523	702	808	968	1,164	1,249	1,135	961	906	624	576	10,052

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2006
 STATE OF CALIFORNIA

12/2008

(ACRE-FEET)

WATER USER	Ftrnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION	DIVERSION	818	974	1,306	1,564	1,830	2,187	2,358	2,139	1,809	1,699	1,187	1,092	18,963
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	360	429	576	677	802	961	1,034	939	795	747	519	478	8,318
	CONSUMPTIVE USE	458	545	730	887	1,028	1,226	1,324	1,200	1,014	952	668	614	10,645

Footnotes:

- 1/ Reference number listed on the annual USGS Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain" or the column contains a comment.
- 2/ Calculated by assuming an annual diversion rate of 6.25 af per acre.
- 3/ Use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 4/ Monthly and annual totals rounded and displayed to the nearest whole number.
- 5/ At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA.
- 6/ Surface water diversions from the AAC through Bard Water District. Use calculated by prorating total measured delivery by relative acreage in each state. Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.
- 7/ Acreage irrigated by co-mingled diversions.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF NEVADA

12/2008		(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	2	3	4	5	6	7	8	7	6	5	3	3	59
	MEAS. RETURNS	1	1	2	2	3	3	3	3	3	2	2	2	27
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	2	2	3	3	4	5	4	3	3	1	1	32
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	30,905	28,974	31,962	36,459	48,312	46,729	48,361	49,764	45,783	42,282	37,435	35,221	482,187
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	58	58	68	73	98	89	67	105	89	71	52	54	882
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	58	58	68	73	98	89	67	105	89	71	52	54	882
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	15	15	19	22	23	24	0	30	28	25	18	18	237
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	15	15	19	22	23	24	0	30	28	25	18	18	237
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	485	336	349	576	615	537	692	641	578	536	436	403	6,184
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	485	336	349	576	615	537	692	641	578	536	436	403	6,184
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	707	491	886	1,401	1,680	1,471	1,973	1,753	1,579	1,220	947	773	14,881
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	707	491	886	1,401	1,680	1,471	1,973	1,753	1,579	1,220	947	773	14,881
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	475	417	432	465	504	507	464	511	478	449	454	468	5,624
	MEAS. RETURNS	474	416	431	464	503	506	463	510	477	448	453	467	5,612
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	90	83	84	84	82	74	78	77	70	65	61	66	914
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	90	83	84	84	82	74	78	77	70	65	61	66	914
MOHAVE GENERATING STATION (SCE)														
PUMPED FROM 1 WELL	DIVERSION	181	100	150	150	225	140	74	68	40	42	39	39	1,248
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	181	100	150	150	225	140	74	68	40	42	39	39	1,248
BIG BEND WATER DISTRICT														
	DIVERSION	352	334	350	376	432	464	523	528	465	411	359	323	4,917
	MEAS. RETURNS	208	201	228	228	230	231	263	252	224	230	197	181	2,673
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	144	133	122	148	202	233	260	276	241	181	162	142	2,244
FORT MOJAVE INDIAN RESERVATION														
PUMPED FROM 2 WELLS IN FLOODPLAIN	2/ DIVERSION	99	331	283	528	590	842	655	807	314	377	99	99	5,024
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	33	109	93	174	195	278	216	266	104	124	33	33	1,658
	CONSUMPTIVE USE	66	222	190	354	395	564	439	541	210	253	66	66	3,366
LAS VEGAS WASH RETURN FLOWS	3/ RETURNS	20,004	17,496	19,463	18,307	17,857	17,397	17,494	17,354	17,637	18,290	17,965	20,059	219,323

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2006
STATE OF NEVADA

WATER USER	12/2008 Ftnfs	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
NEVADA TOTALS														
	DIVERSION	33,369	31,142	34,587	40,139	52,567	50,884	52,895	54,291	49,430	45,483	39,903	37,467	522,157
	MEAS. RETURNS	20,687	18,114	20,124	19,001	18,593	18,137	18,223	18,119	18,341	18,970	18,617	20,709	227,635
	UNMEAS. RETURNS	33	109	93	174	195	278	216	266	104	124	33	33	1,658
	CONSUMPTIVE USE	12,649	12,919	14,370	20,964	33,779	32,469	34,456	35,906	30,985	26,389	21,253	16,725	292,864
GROUNDWATER INJECTED STORAGE														
LAS VEGAS VALLEY WATER DIST.	4/ INJECTED	3,079	1,905	8	0	102	0	0	0	0	2,188	5,819	6,876	19,977
	WITHDRAWN	0	0	0	0	0	0	0	66	345	206	141	58	816
CITY OF NORTH LAS VEGAS	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

2/ Diversions derived by a combination of measurements and user provided data. Beginning in 2007 diversions will be fully measured and reported by Reclamation.

3/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in USBR letter to SNWA and CRCN dated July 29, 2003.

4/ Nevada Injected Storage Balance:	A/ Beginning of Year Cumulative Injected Storage	311,029
	Plus Current Year Additions	19,977
	Minus Current Year Withdrawals	816
	End of Year Cumulative Injected Storage	<u>330,190</u>

A/ Colorado River water injected into ground water storage is accounted as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
*ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)***

The following tabulations for calendar year 2006 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation has tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities. Reclamation is revising the methodology used to pro-rate individual contributions of rejected water passing to Mexico in excess of treaty requirements. When the methodology is completed, the tabulation will contain figures for each of the four dispositions of rejected water listed.

Water ordered but not diverted was analyzed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Deliveries of water to

Mexico in satisfaction of the Mexican Treaty are scheduled based on Mexico's daily orders. Releases from storage are scheduled in sufficient quantities which, when added to return flows, meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the treaty, therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations do not show entries for water ordered but not diverted as being delivered to Mexico in satisfaction of the treaty.

Currently, no daily orders are received from Nevada for diversion from the Colorado River so no sheet is included for Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2006
 STATE OF ARIZONA

WATER USER	12/2008	(ACRE-FEET)												TOTAL
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		399	1,543	769	2,397	3,609	568	1,499	1,719	9,795	2,191	372	2,742	27,603
DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	399	1,543	769	2,397	3,609	568	1,499	1,719	9,795	2,191	372	2,742	27,603
CO. RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		1,260	498	44,906	157	0	2,073	1,224	17,366	288	413	1,228	1,018	70,431
DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,910	2,283	2,527	1,672	2,247	3,765	3,509	2,005	1,446	2,037	696	873	25,970
DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
GILA MONSTER FARMS, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		-	-	-	-	-	-	-	-	-	-	-	-	-
DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		7,633	5,407	7,617	2,594	6,861	7,363	7,319	6,436	7,575	11,982	9,535	7,474	87,796
DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		323	282	468	541	553	524	216	557	549	536	680	409	5,638
DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2006
 STATE OF ARIZONA

WATER USER	12/2008 Ftns	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	2,406	14,876	2,549	1,325	1,432	2,755	2,420	4,735	3,209	4,108	2,878	2,838	45,531
UNIT "B" I.D.D., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	361	393	543	244	421	389	1,131	454	700	1,964	367	41	7,008
YUMA COUNTY WATER USERS' ASSN., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	2,446	4,812	3,989	2,023	2,924	2,926	3,013	3,709	5,123	6,863	5,554	6,515	49,897
ARIZONA TOTALS		17,738	30,094	63,368	10,953	18,047	20,363	20,331	36,981	28,685	30,094	21,310	21,910	319,874
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/ 2/ 3/	399	1,543	769	2,397	3,609	568	1,499	1,719	9,795	2,191	372	2,742	27,603

Footnotes:

- 1/ Reclamation is revising the methodology used to determine the disposition, by user, of the Water Ordered but not Diverted. As outlined in the table it may be diverted by another water user, stored, or passed to Mexico in excess of the 1944 Treaty requirements. Until the methodology is completed, Reclamation will not report the disposition of Water Ordered but not Diverted below Lake Havasu.
- 2/ Stored in Lake Havasu, Imperial Reservoir, behind Laguna Dam, or Senator Wash Reservoir for future use.
- 3/ For the total amount of water passing to Mexico in Excess of Schedule, please see the next section of this report which contains the Deliveries to Mexico.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2006
 STATE OF CALIFORNIA

WATER USER	12/2008	(ACRE-FEET)												
	Ftrts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		225	930	1,465	1,354	927	3,841	2,362	1,599	3,050	107	0	992	16,852
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/	225	930	1,465	1,354	927	3,841	2,362	1,599	3,050	107	0	992	16,852
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		1,565	1,095	16,471	113	1,388	1,349	1,210	1,018	2,586	1,293	1,662	3,322	33,072
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		4,360	4,318	2,110	1,289	2,263	2,128	3,118	4,308	3,531	2,214	2,616	5,884	38,139
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		3,568	5,580	23,056	26,970	7,006	4,649	9,672	9,471	6,776	9,289	5,958	4,998	116,993
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		764	192	1,714	1,464	1,668	964	1,791	2,414	1,107	1,793	724	1,972	16,567
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	2/													
CALIFORNIA TOTALS ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY		10,482	12,115	44,816	31,190	13,252	12,931	18,153	18,810	17,050	14,696	10,960	17,168	221,623
CALIFORNIA TOTALS DIVERTED BY OTHERS DELIVERED TO STORAGE DELIVERED TO MEXICO IN EXCESS OF TREATY	3/	225	930	1,465	1,354	927	3,841	2,362	1,599	3,050	107	0	992	16,852

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS 1/
 CALENDAR YEAR 2006
 STATE OF CALIFORNIA

WATER USER	12/2008	(ACRE-FEET)											
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

Footnotes:

- 1/ Reclamation is revising the methodology used to determine the disposition, by user, of the Water Ordered but not Diverted. As outlined in the table it may be diverted by another water user, stored, or passed to Mexico in excess of the 1944 Treaty requirements. Until the methodology is completed, Reclamation will not report the disposition of Water Ordered but not Diverted below Lake Havasu.
- 2/ Stored in Lake Havasu, Imperial Reservoir, behind Laguna Dam, or Senator Wash Reservoir for future use.
- 3/ For the total amount of water passing to Mexico in Excess of Schedule, please see the next section of this report which contains the Deliveries to Mexico.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944
AND WATER PASSING TO MEXICO IN EXCESS OF
TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

		CALENDAR YEAR 2006													
		12/2008	(ACRE-FEET)												
WATER USER	Ftns		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY TO NIB	1/		115,827	138,865	198,718	183,309	99,289	119,700	113,585	87,858	82,486	67,740	87,620	112,024	1,407,020
DELIVERY AT THE LIMITROPHE	2/		799	859	658	445	615	312	316	271	657	874	1,075	896	7,777
DELIVERY FOR TIJUANA	3/		0	0	0	0	0	0	0	0	0	16	23	0	39
DELIVERY TO SIB			9,658	10,604	9,660	10,455	9,654	7,957	10,592	10,755	10,691	11,033	11,245	9,090	121,395
TOTAL DELIVERY IN SATISFACTION OF TREATY	4/		126,283	150,328	209,037	194,209	109,559	127,969	124,493	98,885	93,834	79,663	99,963	122,010	1,536,232
TO MEXICO AS SCHEDULED			123,770	149,056	206,283	193,325	108,570	127,251	121,879	92,705	89,308	70,097	98,764	118,993	1,500,000
TO MEXICO IN EXCESS OF SCHEDULE	5/		2,513	1,272	2,754	884	988	718	2,615	6,180	4,526	9,566	1,199	3,017	36,232
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC			8,679	7,677	8,437	7,557	7,407	8,829	9,071	9,749	9,970	10,362	10,071	9,505	107,314

Footnotes:

1/ Flow in the river at the Northerly International Boundary.

2/ Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

3/ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct,

MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minute No. 310 of the IBWC.

4/ Water delivered to Mexico and charged against treaty requirements. It does not include Water Bypassed Pursuant to Minute No. 242 of the IBWC.

5/ Water that is lost to the United States through flows and/or releases into the Colorado River above Morelos Dam in excess of Lower Division States deliveries and Mexican Treaty requirements.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

12/2008		CALENDAR YEAR 2006												
		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

For additional information about deliveries to the Gila and San Francisco Rivers, please see the annual report of the New Mexico Interstate Stream Commission, attached as a pdf file within the CD at the back of this report.

INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information tabulated here provides a broader record of activities relating to federal management of the Colorado River in concise reports specific to various agreements or requirements. The final section contains documents significant to the actions taken by Reclamation, Lower Division States, and water user agencies.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

The Bureau of Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with Southern Nevada Water Authority (SNWA), Colorado River Commission of Nevada (CRCN), and Arizona Water Banking Authority (AWBA). The SIRA provides structure and guidance, in accordance with Article II (B) (6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's water consumption. The forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in the year Colorado River waste is diverted. LTSC are created for the

account of consuming entities in Nevada or California. When LTSC are recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II (B)(6) of the Consolidated Decree. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls upon this stored water, MWD will develop ICUA by withdrawing water that MWD has previously stored for SNWA and MWD will deliver this water for consumptive use in California. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed interstate underground storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. Recovery of MWD's credits is subject to the terms of the 1992 agreement.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA, provisional ALTSC accrued during the past year, Long Term Storage Credits recovered during the past year, ALTSC held for an entity with a SIRA, and credits assigned to MWD by CAWCD.

STORAGE AND INTERSTATE RELEASE AGREEMENTS
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2006

		12/2008	(ACRE-FEET)												
		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified BOY ALTSC	1/	237,065												
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 06	2/	2,289	5,720	7,881	10,527	13,115	9,141	8,759	36,843	38,363	16,373	19,354	20,762	189,127
	Verified LTSC in 06	3/	2,125	5,310	7,316	9,772	12,175	8,486	8,131	34,204	35,612	15,199	17,966	19,273	175,569
	Recovered LTSC in 06	4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	5/	239,190	244,500	251,816	261,588	273,763	282,249	290,380	324,584	360,196	375,395	393,361	412,634	412,634
Water diverted and stored by MWD for the benefit of SNWA.	Verified BOY ALTSC	6/	20,000												
	Accrued LTSC in 06	6/	0	0	0	0	0	0	0	0	0	0	0	5,000	5,000
	Verified LTSC in 06	6/	0	0	0	0	0	0	0	0	0	0	0	5,000	5,000
	Recovered LTSC in 06	6/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	6/	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	25,000	25,000
AMOUNT OF WATER STORED FOR THE BENEFIT OF NEVADA - CURRENT YEAR			2,125	5,310	7,316	9,772	12,175	8,486	8,131	34,204	35,612	15,199	17,966	24,273	180,569
TOTAL BALANCE OF WATER STORED FOR NEVADA WITHIN AZ AND CA		7/	259,190	264,500	271,816	281,588	293,763	302,249	310,380	344,584	380,196	395,395	413,361	437,634	437,634
CALIFORNIA	Verified BOY ALTSC	8/	80,909												
Water diverted and stored in Arizona for the benefit of MWD.	Accrued LTSC in 06	2/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 06	3/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Recovered LTSC in 06	4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	5/	80,909	80,909	80,909	80,909	80,909	80,909	80,909	80,909	80,909	80,909	80,909	80,909	80,909
STATES TOTAL	Verified BOY ALTSC	1/	337,974												
Water stored in AZ & CA for the benefit of Nevada and California Parties.	Accrued LTSC in 06	2/	2,289	5,720	7,881	10,527	13,115	9,141	8,759	36,843	38,363	16,373	19,354	25,762	194,127
	Verified LTSC in 06	3/	2,125	5,310	7,316	9,772	12,175	8,486	8,131	34,204	35,612	15,199	17,966	24,273	180,569
	Recovered LTSC in 06	4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	5/	340,099	345,409	352,725	362,497	374,672	383,158	391,289	425,493	461,105	476,304	494,270	518,543	518,543

Footnotes:

- 1/ Accumulated Long-term Storage Credits verified by the banking party before the beginning of the reporting year to be available for recovery by a specific entity with a valid SIRA. Requested Intentionally Created Unused Apportionment cannot exceed verified LTSC.
- 2/ Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200 kaf annually.
- 3/ LTSC verified by the storing entity, as available for recovery for the storage beneficiary. Amount of LTSC available for recovery by SNWA has been verified by AWBA.
- 4/ LTSC recovered by AWBA or MWD during the reporting year, represented by ICUA that AWBA or MWD have certified to be available and the Secretary has released to a specific entity with a valid SIRA during the same year. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. Total recovery of ALTSC from AWBA can not exceed 100 kaf annually, due to a limitation defined under Arizona State law. When water is released from storage, Arizona will be required to reduce its consumptive use under its state apportionment in an amount equal to Nevada's and/or California's requested release and Nevada and/or California will be allowed to exceed its apportionment by an amount equal to the ICUA made available by Arizona.
- 5/ Accumulated Long-term Storage Credits are cumulative monthly sum of verified LTSC.
- 6/ In 2004 MWD, SNWA, and the Secretary of the Interior entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. Water stored in 2006, under this agreement by MWD, was Nevada unused apportionment. In 2006, Nevada was required to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, CA will be required to reduce its consumptive use under its state apportionment in an amount equal to Nevada's requested release and Nevada will be allowed to exceed its apportionment by an amount equal to the ICUA made available by California.
- 7/ This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the current year.
- 8/ LTSC banked in CAWCD's name that are recoverable by MWD under CAWCD/MWD agreement of October 15, 1992, as amended and CAWCD/AWBA/MWD letter agreement of December 11, 2006.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently divert or consumptively use Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements have now been put in place for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003, by the Secretary of the Interior. Beginning in 2004, certain Districts within California agreed in the CRWDA to begin paybacks to the Colorado River system according to the payback schedule set forth in Exhibit C of the CRWDA in the aggregate amount of accrued overruns for CY 2001 and 2002. The CRWDA permits advance payback.

Reclamation has also implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado river system.

This Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 Federal Register 12,201 (2004).

The following tabulation displays two items associated with inadvertent overruns and paybacks: 1) Identification of entitlement holders who have inadvertently overrun in 2006, the amount of the overrun, repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account. 2) The quantity of paybacks made by California parties under Exhibit C of the CRWDA and the remaining balance in each Exhibit C payback account.

The table titled Exhibit C reproduces Exhibit C from the CRWDA for convenient reference.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2006
 STATE OF ARIZONA

12/2008		(ACRE-FEET)						
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTALS ²			APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users								
GILA MONSTER FARMS	IOPP Overruns by Water User	Calendar Year Diversion	3	2004	2005	2,006	9,156	9,156
		Calendar Year Overrun	4	10,011	8,539	9,330		
		BOY Overrun Account Balance	5	855	0	174		
		Validated Calendar Year Paybacks	6	0	855	855		
		EOY Overrun Account Balance	7	0	0	0		
		Account Balance as Percent of Entitlement		855	855	1,029		
				9.3%	9.3%	11.2%		
CENTRAL ARIZONA WATER CONS. DISTRICT	IOPP Overruns by Water User	Calendar Year Use	3		1,616,713			1,633,948
		Calendar Year Overrun	4			0		
		BOY Overrun Account Balance	5			0		
		Validated Calendar Year Paybacks	6			0		
		EOY Overrun Account Balance	7			0		
		Account Balance as Percent of Entitlement				0.0%		

Note: Gila Monster Farms will begin payback of the 2004 overrun in calendar year 2007.
 This is in accordance with the IOPP which requires payback to begin in the year following publication of the Water Accounting report for the overrun year.

Footnotes:

- 1/ This section contains tabulations of water user's overruns of approved diversions or approved consumptive use amounts as authorized under the Inadvertent Overrun and Payback Policy.
- 2/ In 2007, new information was provided to Reclamation regarding diversions to the Gila Monster Farm (GMF) lease on ASLD lands. Reclamation has adopted a change in the methodology used to distribute diversions between the two users. The change tabulated here increases the diversions to the ASLD lease and reduces the diversions to GMF land by an equal amount. This change also reduces the GMF IOPP overrun amount for 2004.
- 3/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 4/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 5/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 6/ Paybacks to the Colorado River system made during the current year.
- 7/ The remainder of IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE, AND CRWDA EXHIBIT C PAYBACK ¹
 CALENDAR YEAR 2006
 STATE OF CALIFORNIA

12/2008

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	Fmts	TOTAL	APPROVAL	ENTITLEMENT	
IOPP Overruns by Individual Water Users				2006			
IMPERIAL IRRIGATION DISTRICT	IOPP Overruns by Water User	Calendar Year CU	2	2,909,680	2,890,766	2,890,766	
		Calendar Year Overrun	3	18,914			
		BOY Overrun Account Balance	4	0			
		Calendar Year Payback - from ICS	5	1,000			
		Calendar Year Paybacks		0			
		Overrun Adjustment	6	8,957			
		EOY Overrun Account Balance	7	8,957			
	Account Balance as Percent of Entitlement			0.3%			
FORT MOJAVE INDIAN RESERVATION - CA	IOPP Overruns by Water User	Calendar Year Diversion	2	18,827	16,720	16,720	
		Calendar Year Overrun - Diversion	3	2,107			
		Calendar Year Overrun - CU		1,134			
		BOY Overrun Account Balance	4	0			
		Calendar Year Paybacks		0			
		EOY Overrun Account Balance - CU	7	1,134			
		EOY Overrun Account Balance - Div.	7	2,107			
	Account Balance as Percent of Entitlement			12.6%			
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	IOPP Overruns by Water User	Calendar Year CU	2	632,424		617,186	
		Calendar Year Overrun	3	15,238			
		BOY Overrun Account Balance	4	0			
		Calendar Year Payback - from ICS	5	7,619			
		Calendar Year Paybacks		0			
		Overrun Adjustment	6	7,619			
		EOY Overrun Account Balance	7	0			
	Account Balance as Percent of Entitlement			0.0%			
Payback of Exhibit C Obligations by Individual Water Users				2004	2005	2006	
IMPERIAL IRRIGATION DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	8	151,400	103,251	71,985	N/A
		Calendar Year Paybacks	9	40,665	23,797	34,162	
		Applied Credit from Re-regulation	10	3,970	5,369	0	
		Canal System Loss Correction Adjustment	11	3,514	2,100	2,992	
		EOY Exhibit C Balance	12	103,251	71,985	34,831	
COACHELLA VALLEY WATER DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	8			34,752	N/A
		Calendar Year Paybacks	9			16,608	
		EOY Exhibit C Balance	12			18,144	
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	Payback of Exhibit C Obligations	BOY Exhibit C Balance	8			5,412	N/A
		Calendar Year Paybacks	9			0	
		Applied Credit from Re-regulation	10			5,412	
		EOY Exhibit C Balance	12			0	

Footnotes:

- 1/ This section contains tabulations of water user's overruns of approved diversions or approved consumptive use amounts as authorized under the Inadvertent Overrun and Payback Policy.
- 2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year from the water user's ICS balance.
- 6/ IOPP payback requirement not applied due to later-determined availability of unused Colorado River water.
- 7/ The remainder of IOPP overrun account balance as of the end of the accounting year.
- 8/ The Beginning of Year balance of CRWDA, Exhibit C payback obligation. This is equal to the prior year's End of Year balance.
- 9/ Paybacks of CRWDA, Exhibit C obligations made to the Colorado River system during the current year. The minimum payback schedule is tabulated in Exhibit C of the CRWDA.
- 10/ Application of the extraordinary conservation credit resulting from capture of re-regulatory water. For more information see section on Water Subject to Temporary Re-regulation.
- 11/ In 2007, Reclamation and IID reached agreement on the method used to calculate the losses within the IID canal system from Imperial Dam to farm fields.
- The adjustment results in increased Exhibit C repayment credited to IID in 2004, 2005 and 2006. All three years shown here to allow the reader to see the annual corrections.
- 12/ End of Year balance of CRWDA, Exhibit C payback obligations, determined by subtracting current year repayments from the Beginning of Year account balance.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2006
 STATE OF NEVADA

12/2008		(ACRE-FEET)				
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users				<u>2006</u>		
No entity exceeded its approval in 2006	IOPP Overruns by Water User	Calendar Year CU	2		0	0
		Calendar Year Overrun	3	0		
		BOY Overrun Account Balance	4	0		
		Validated Calendar Year Paybacks	5	0		
		EOY Overrun Account Balance	6	0		
		Account Balance as Percent of Entitlement		0.0%		

Footnotes:

- 1/ This section contains tabulations of water user's overruns of approved diversions or approved consumptive use amounts as authorized under the Inadvertent Overrun and Payback Policy.
- 2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 4/ The IOPP overrun account balance from the previous year, if the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remainder of IOPP overrun account balance as of the end of the accounting year.

Exhibit C of the Colorado River Water Delivery Agreement

Exhibit C: Payback Schedule of Overruns for Calendar Years 2001 and 2002

<i>Year</i>	<i>IID</i>	<i>CVWD</i>	<i>MWD</i>	<i>Total</i>
2004	18,900	9,100	11,000	39,000
2005	18,900	9,100	11,000	39,000
2006	18,900	9,100	11,100	39,100
2007	18,900	9,100	11,100	39,100
2008	18,900	9,200	11,100	39,200
2009	18,900	9,200	11,100	39,200
2010	19,000	9,200	11,100	39,300
2011	19,000	9,200	11,100	39,300
Cumulative	151,400	73,200	88,600	313,200

Note: Each district may, at its own discretion, elect to accelerate paybacks to retire its payback obligation before the end of the eight-year period ending in calendar year 2011. Each district's payback obligation is subject to acceleration in anticipation of a shortage in the Lower Colorado River Basin as provided for in section 8(b).

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements, such as Interstate Storage and Release Agreements, and federal policies such as the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division State under Article II of the Decree, the payback by users within the state of obligations under Exhibit C of the Colorado River Water Delivery Agreement or the IOPP, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division State in 2006.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
 CALENDAR YEAR 2006

12/2008			(ACRE-FEET)
STATE	ADJUSTMENTS	Ftns	TOTAL USE
ARIZONA	Basic Apportionment	2	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV	3	0
	Payback Obligations	4	0
	Total Available Colorado River Water	5	2,800,000
	Total Consumptive Use	6	2,782,866
	State Underrun or (Overrun)	7	17,134
	Overruns by Individual AZ Users (CU)		100
	Net State Underrun or (Overrun)		17,234
CALIFORNIA	Basic Apportionment	2	4,400,000
	NV II(B)(6) Released to CA for Storage for NV	3	5,000
	System Conservation Water		(3,000)
	Intentionally Created Surplus (MWD, IID)		(42,381)
	Payback Obligations (Exhibit C)	4	(50,770)
	Total Available Colorado River Water	5	4,308,849
	Total Consumptive Use	6	4,335,299
	State Underrun or (Overrun)	7	(26,450)
	Overrun Adjustment	8	16,576
	Resultant Overruns by Individual CA Users		10,091
	LCWSP Under pumping (Over pumping)	9	(245)
	Unauthorized Agricultural Use		28
Net State Underrun or (Overrun)		0	
NEVADA	Basic Apportionment	2	300,000
	NV II(B)(6) Available for Storage	3	(5,000)
	Payback Obligations	4	0
	Total Available Colorado River Water	5	295,000
	Total Consumptive Use	6	292,864
	State Underrun or (Overrun)	7	2,136
TOTAL LOWER BASIN UNUSED APPORTIONMENT			19,370

Footnotes:

- 1/ This section tabulates increases or reductions to the amount of water available to a state, calculates an adjusted state limitation, and compares that amount to the consumptive uses within the state. Adjustments include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in Arizona v. California, payback obligations of individual water users, intentionally created unused apportionment or surplus, and system conservation.
- 2/ The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.
- 3/ Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona or California under Storage and Interstate Release Agreements.
- 4/ The reduction in the amount of water available to the state due to repayment obligations under the CRWDA or the IOPP.
- 5/ The total amount of Colorado River water available for use in the state.
- 6/ The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
- 7/ The difference between the Colorado River water available to the state and the state's actual consumptive use.
- 8/ IOPP payback requirement not applied due to later-determined availability of unused Colorado River water.
- 9/ Differences between actual LCWSP wellfield pumping and use of Colorado River water by LCWSP contractors are allowed to be carried over in a given year. In a year when an outstanding LCWSP balance is consumed, LCWSP users are allowed to consumptively use an amount of water greater than the amount pumped by the LCWSP wellfield to offset a previous year(s) overpumpage.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their present or anticipated needs. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC. Through a contract with Reclamation, Imperial Irrigation District is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles in annual amounts up to 3,500 acre-feet of the initial 8,000 acre-feet available. The contract with the City of Needles establishes a framework for the City of Needles to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) makes a recommendation as to whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City of Needles which then offers subcontracts.

Reclamation also entered into a contract to supply Project water to the Bureau of Land Management (BLM) in annual amounts up to 1,150 acre-feet. In exchange, BLM may divert water from the Colorado River at any of several diversion points in California.

LOWER COLORADO WATER SUPPLY PROJECT
 SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
 CALENDAR YEAR 2006

12/2008		(ACRE-FEET)													
	Ftnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER SUPPLY WELLFIELD PUMPAGE	1/	non-Federal	0	0	0	0	0	0	0	0	501	388	90	0	979
		Federal	0	0	0	0	0	0	0	0	222	171	40	0	433
		Total	0	0	0	0	0	0	0	0	723	559	130	0	1,412
LCWSP NON-FEDERAL CONTRACTORS	2/														
City of Needles (on its own behalf)		Diversions	46	41	47	62	80	84	85	87	63	57	55	46	753
		CU	30	27	31	40	53	55	56	57	41	37	36	30	492
Havasu Water Company of California		Diversions	3	3	4	5	6	7	8	7	6	5	3	3	60
		CU	2	2	2	3	4	4	5	4	4	3	2	2	36
J. Victor Construction		Diversions	0	0	0	1	1	1	1	2	1	2	1	1	11
		CU	0	0	0	0	1	1	1	1	1	1	1	0	7
Pacific Gas & Electric Company		Diversions	4	5	7	7	9	11	12	11	9	7	5	5	92
		CU	4	5	7	7	9	11	12	11	9	7	5	5	92
Southern California Gas Company		Diversions	3	4	5	6	7	8	9	9	7	6	4	4	72
		CU	3	4	5	6	7	8	9	9	7	6	4	4	72
Needles Other Subcontractors		Diversions	7	8	12	12	15	18	20	19	15	13	10	9	158
		CU	4	5	7	7	9	11	12	11	9	8	6	5	95
Total non-Federal Contractors:		Diversions	63	61	75	93	118	129	135	135	101	90	78	68	1,146
		CU	43	42	52	64	82	90	94	93	71	62	54	46	794
Diff: Non-Federal Use and Wellfield Pumping	3/		-43	-42	-52	-64	-82	-90	-94	-93	430	326	36	-46	185
Previous Year Balance	4/		-59	110	86	-2	30	-151	-189	-156	97	259	57	-89	-7
Balance to be Carried Over to Following Year	5/		-102	68	34	-66	-52	-241	-283	-249	527	585	93	-135	178
LCWSP FEDERAL CONTRACTORS															
U.S. Bureau of Land Management	6/	Diversions	12	3	3	66	35	29	42	31	26	23	31	25	326
Total of BLM Administered Water		Returns	3	0	0	14	8	6	10	7	6	5	7	6	72
		CU	9	3	3	52	27	23	32	24	20	18	24	19	254
USBR - Parker Dam and Government Camp		Diversions	10	11	12	15	17	23	18	21	16	16	13	12	184
		Returns	2	2	2	2	10	10	10	11	10	2	2	2	65
		CU	8	9	10	13	7	13	8	10	6	14	11	10	119
Difference: Federal Use and Wellfield Pumping	3/		-17	-12	-13	-65	-34	-36	-40	-34	196	139	5	-29	60
Previous Year Balance	4/		-40	79	80	34	72	-59	-60	-66	79	137	23	-42	237
Balance to be Carried Over to Following Year	5/		-57	67	67	-31	38	-95	-100	-100	275	276	28	-71	297

Footnotes:

- 1/ Non-Colorado River water pumped from the Lower Colorado Water Supply Project (LCWSP) wellfield and delivered into the AAC for use by IID. Pumpage reported separately for Federal and non-Federal contractors.
 Note: each LCWSP contractor or subcontractor has a unique unmeasured return factor.
- 2/ LCWSP non-Federal contractor (City of Needles) and subcontractors - Colorado River water use exchanged with LCWSP wellfield pumpage.
- 3/ Difference between the consumptive use of Colorado River water diverted and the amount of water pumped by the LCWSP wellfield.
- 4/ Balance from previous year. Over pumpage (shown as positive values) must be used, under pumpage (shown as negative values) must be paid back.
- 5/ Balance of LCWSP wellfield pumping from current and previous years. If the year end total is a positive value, this amount is available to LCWSP contractors.
 If the year end total is a negative value, this amount must be paid back in the form of additional wellfield pumping.
- 6/ Portion of the LCWSP allocated to the BLM - Colorado River water use exchanged with LCWSP wellfield pumpage.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division States has been further apportioned among the States of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division States must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in a separate section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events is depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2006.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use to the 2006 ISG Annual Benchmark” demonstrates the impact of conservation and transfers on agricultural water use in California in 2006. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE TO THE 2006 ISG BENCHMARK ¹
 CALENDAR YEAR 2006

12/2008

Uses by California Agricultural Entities	Consumptive Uses	Comments
	Acre-Feet	
Palo Verde Irrigation District	354,898	
Yuma Project Reservation Division	41,182	
Yuma Island Pumpers ²	6,060	Yuma Island pumpers diversion was 10,959 af times 0.553 CU factor is 6,060 af of CU.
Priorities 1, 2, 3b	402,140	
Coachella Valley Water District	329,322	
Imperial Irrigation District	2,909,680	
Total California Agricultural Use	3,641,142	
MWD Adjustments for Priority 1, 2, and 3b use	0	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
IID CRWDA Exhibit C Payback ³	34,162	
CVWD CRWDA Exhibit C Payback ³	0	Repayment made by MWD in 2006.
MWD-CVWD Exchange	(34,958)	Exchange with MWD for State Water Project water.
IID ICS	0	
IID and CVWD reductions for PPRs	14,500	IID = 11,500 af, CVWD = 3,000 af.
	3,654,846	
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs		
ISG Benchmark Comparison		
2006 Agricultural Benchmark	3,640,000	See Column 22 of Exhibit B of the CRWDA
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,654,846	
Total Benchmark Overrun	14,846	
Priority 1, 2, and 3b Use Below or (Above) 420,000 af		
Palo Verde Irrigation District	354,898	
Yuma Project Reservation Division	41,182	
Yuma Island Pumpers ²	6,060	
Total Priority 1, 2, 3b Use	402,140	
MWD reduction for Priority 1, 2, and 3b water use	0	Per Section 4.d of the CRWDA, MWD use is reduced by Priority 1, 2, and 3b use greater than 420,000af.
Priority 1, 2, and 3b water delivered to MWD	17,860	Per Section 4.d of the CRWDA, Priority 1, 2, and 3b use less than 420,000af is delivered to MWD.

Footnotes:

1/ Part XI, Section 5, Record of Decision of the Colorado River Interim Surplus Guidelines FEIS contain the adopted Interim Surplus Guidelines (ISG). Section 5 of the ISG contains Benchmarks for aggregate California agricultural water use during each third year. Exhibit B (attached) to the CRWDA, column 22 references these ISG Benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the ISG Benchmarks.

Footnotes 2 and 12 of Exhibit B define annual targets and Benchmark year aggregate agricultural use totals as all consumptive use of Priorities 1 through 3 plus 14,500 of PPR use, minus MWD adjustments for Priority 1 through 3 use above 420,000 af.

2/ Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; and is not an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

3/ Repayment of overrun amounts does not count as compliance with transfers set forth in Ex. B of the CRWDA, per section 8.a of the CRWDA.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2006
 STATE OF ARIZONA

12/2008

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

No transfers were reported to USBR during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2006
 STATE OF CALIFORNIA

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	12/2008 Ftrts	(ACRE-FEET)												TOTAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
WATER CONSERVATION PROGRAM IID/MWD CONSERVED WATER	1/														101,160
MWD REDUCTION FOR CVWD USE - IID CONSERVATION	2/	1,667	1,666	1,667	1,666	1,667	1,666	1,667	1,667	1,666	1,667	1,667	1,667	1,667	20,000
IID CONSERVATION FOR TRANSFER TO SDCWA	3/	1,132	1,294	10,673	12,028	12,899	1,974	0	0	0	0	0	0	0	40,000
IID CONSERVATION FOR TRANSFER TO SDCWA - MITIGATION	4/	0	0	0	0	0	9,073	10,927	0	0	0	0	0	0	20,000
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM	5/														102,039
MWD/USBR AGREEMENT FOR SYSTEM CONSERVATION	6/														3,000
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION	7/													1,014	1,014
COACHELLA CANAL LINING PROJECT - SDCWA	7/													687	687
COACHELLA CANAL LINING PROJECT - SLRSP	7/													172	172
COACHELLA CANAL LINING PROJECT - MITIGATION	7/													155	155

Notes: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B, shown on page 46 of this report.
 Reclamation recognizes that the CRWDA allows each party to make water available or to divert water made available on their own schedule.

Footnotes:

- 1/ 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the 1988 Program Agreement and the 1989 Approval Agreement, made available by IID for diversion in current year by MWD, reported as an annual total.
- 2/ MWD reduction for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program for use by CVWD. This reduction occurs at CVWD request in accordance with the 1989 Approval Agreement.
- 3/ The CRWDA specifies required conservation by IID for transfer to SDCWA. This amount is found in Column 5 of Exhibit B of the CRWDA.
- 4/ IID conserved water to be left in the Colorado River, in accordance with section 2.2.1 of the "Letter Agreement for Temporary Re-regulation of Excess Colorado River Flows" dated June 5, 2006 (found in Significant Documents). Water captured and temporarily stored by IID in 2004 and 2005, as water subject to temporary re-regulation, was used to meet the 2006 Saiton Sea mitigation obligation.
- 5/ Annual PVID reduction in consumptive use through land fallowing as reported in Table 8 of the report produced jointly by USBR, PVID, and MWD entitled, "Calendar Year 2006 Fallowed Land Verification Report: PVID/MWD Forbearance and Fallowing Program" less the 3,000 acre-feet provided to USBR for System Conservation. The value represents the estimated reduction in PVID consumptive use resulting from the fallowing of 24,644 acres of land for the months of January and February, 23,349 acres for the months of March through July, and 14,717 acres for the months of August through December.
- 6/ USBR contracted with MWD to conserve water within PVID. 3,000 acre-feet of the PVID/MWD Forbearance and Fallowing Program's savings remained in Lake Mead and are used to offset water bypassed to the Cienega de Santa Clara from Wellton-Mohawk Irrigation and Drainage District returns.
- 7/ Water conserved through the lining of portions of the Coachella Canal. This water was made available beginning in December of 2006. The conserved water was distributed according to the Allocation Agreement between MWD, CVWD IID, SDCWA and the SLRSP, dated October 10, 2003.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2006
 STATE OF NEVADA

12/2008

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
--	-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

No transfers were reported to USBR during this calendar year

Footnotes:

No footnotes for this calendar year.

**EXHIBIT B
QUANTIFICATION AND TRANSFERS¹**

In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	Calendar Year	Priority 1, 2 and 3b	IID Priority 3a										CVWD Priority 3a						Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	12 ISG Benchmarks	12 Annual Targets			
			Reductions										Reductions			Additions			CVWD Net Consumptive Use Amount (columns 14-17 plus columns 18 + 19)					
			³ IID Reduction: MWD 1988 Agreement Transfer	⁴ IID Reduction: AAC Lining IID, SDCWA & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁸ IID Reduction: MWD Transfer with Salton Sea Restoration	⁹ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs	¹⁰ IID Reductions: Total Amount (sum of columns 4 through 11)	¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD								
1	2003	420	3,100	110	10	0	5	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740		
2	2004	420	3,100	110	20	0	10	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707		
3	2005	420	3,100	110	30	0	15	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674		
4	2006	420	3,100	110	40	0	20	0	0	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640		
5	2007	420	3,100	110	50	0	25	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603		
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566	
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530	
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510	
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490	
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470	
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462	
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455	
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448	
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440	
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3			
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3			
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3			
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8			
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3			
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8			
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3			
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3			
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3			
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3			
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3			
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3			
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3			
	2038-2047	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3			
	2048-2077	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3			

1 Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
 2 Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
 3 IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
 4 Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
 5 Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
 6 Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent.
 7 MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
 8 IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.
 9 Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
 10 For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
 11 For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
 12 All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
 13 Assumes SDCWA does not elect termination in year 35.
 14 Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:

Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

WATER SUBJECT TO TEMPORARY RE-REGULATION CAPTURED AT THE REQUEST OF THE U. S. BUREAU OF RECLAMATION

Water from Colorado River system storage spilled or released for flood control purposes, or released to fill a water order but not then diverted by an entitlement holder, may flow to the NIB in excess of Treaty obligations with Mexico. Historically, this water has been subject to temporary re-regulation by Reclamation, for example, when it has been captured and held in Senator Wash Reservoir. Beginning in 1992, operation of Senator Wash Reservoir has been restricted due to dam safety concerns.

During certain times in 2004 and 2005, in response to heavy rainfall occurring in a watershed that is tributary to the lower Colorado River, Reclamation released water from Lake Havasu to protect the integrity of Parker Dam. Also, as a result of these rainstorms, Colorado River water ordered by entitlement holders and released from Hoover Dam was not diverted. In an effort to prevent a portion of these releases from being lost to beneficial use within the United States as excess flows to the NIB, and in light of the current storage capacity limitation at Senator Wash Reservoir, Reclamation sought to effect the temporary re-regulation of this water. This water could not otherwise have been stored by Reclamation works or taken by a water user under a Colorado River entitlement.

In 2004 and 2005, a portion of this water was captured and stored by water users at the specific request of Reclamation to permit the beneficial use of that water within the United States.

This temporarily re-regulated water, under the terms of the agreements entered into between Reclamation and the water users, will be fully restored to Colorado River system storage in future years.

These water users' efforts in assisting Reclamation in the temporary re-regulation of water served to prevent that water from being lost to beneficial use in the United States. Reclamation recognizes the water users' efforts as a form of extraordinary conservation and has credited the water users with an amount equal to 25% of the quantity captured and stored at Reclamation's specific request. The water users are permitted to use these credits to satisfy specified payback obligations.

Description of Table

The tabulation titled "Water Subject to Temporary Re-Regulation" displays the amount of water captured for temporary re-regulation by a water user under a written agreement with Reclamation. It includes the amount of water restored to system storage, the amount of extraordinary conservation credits available to the water user, and the amount of credits used by the water user to meet specified payback obligations.

WATER SUBJECT TO TEMPORARY RE-REGULATION ¹
CALENDAR YEAR 2006

		12/2008												TOTALS		
		(ACRE-FEET)														
		Ftns	BOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CALIFORNIA																
IMPERIAL IRRIGATION DISTRICT ²																
	CAPTURED FOR RE-REGULATION	3		0	0	0	0	0	0	0	0	0	0	0	0	0
	NET RE-REGULATORY CAPTURE	4		0	0	0	0	0	0	0	0	0	0	0	0	0
	BALANCE - PREVIOUS YEARS	5														22,356
	RESTORED TO SYSTEM STORAGE	6		0	0	0	0	0	9,073	10,927	0	0	0	0	0	20,000
	CAPTURE BALANCE	7	22,356	22,356	22,356	22,356	22,356	22,356	13,283	2,356	2,356	2,356	2,356	2,356	2,356	2,356
	ACCRUED CREDIT	8		0	0	0	0	0	0	0	0	0	0	0	0	0
	APPLIED TO PAYBACK OBLIGATION	9		0	0	0	0	0	0	0	0	0	0	0	0	0
	ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0
METROPOLITAN WATER DISTRICT ²																
	CAPTURED FOR RE-REGULATION	3		0	0	0	0	0	0	0	0	0	0	0	0	0
	NET RE-REGULATORY CAPTURE	4		0	0	0	0	0	0	0	0	0	0	0	0	0
	BALANCE - PREVIOUS YEARS	5														21,649
	RESTORED TO SYSTEM STORAGE	11		21,649	0	0	0	0	0	0	0	0	0	0	0	21,649
	CAPTURE BALANCE	7	21,649	0	0	0	0	0	0	0	0	0	0	0	0	0
	ACCRUED CREDIT	8	5,412	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPLIED TO PAYBACK OBLIGATION	9		5,412	0	0	0	0	0	0	0	0	0	0	0	5,412
	ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA TOTALS																
	CAPTURED FOR RE-REGULATION	3		0	0	0	0	0	0	0	0	0	0	0	0	0
	NET RE-REGULATORY CAPTURE	4		0	0	0	0	0	0	0	0	0	0	0	0	0
	BALANCE - PREVIOUS YEARS	5														44,005
	RESTORED TO SYSTEM STORAGE	6/11/		21,649	0	0	0	0	9,073	10,927	0	0	0	0	0	41,649
	CAPTURE BALANCE	7	44,005	22,356	22,356	22,356	22,356	22,356	13,283	2,356	2,356	2,356	2,356	2,356	2,356	2,356
	ACCRUED CREDIT	8	5,412	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPLIED TO PAYBACK OBLIGATION	9		5,412	0	0	0	0	0	0	0	0	0	0	0	5,412
	ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

- 1/ The temporary re-regulation of river water, otherwise flowing to Mexico in excess of treaty requirements, may be effected at the request of Reclamation through the capture and temporary storage of this water.
- 2/ IID and MWD have entered into agreements for Temporary Re-regulation of Colorado River water. Under these agreements each re-regulating entity will effect temporary storage of Colorado River water released from system storage that would otherwise flow to Mexico in excess of Treaty obligations. Each entity will, in accordance with their respective agreements, return 100% of the water stored under this agreement back to the system during the year following publication of the Colorado River Accounting and Water Use Report which reflects Water Subject to Temporary Re-regulation stored in 2004 or 2005. The re-regulatory water captured and temporarily stored will not be accounted against the entity's entitlement or the State of California's apportionment during the year of capture, it will be accounted as a diversion and use during the year when it is restored to system storage.
- 3/ Total amount of water captured from the river during the calendar year to effect temporary re-regulation.
- 4/ The net amount of water captured from the river to effect temporary re-regulation of water.
- 5/ Balance of accumulated re-regulatory water in storage from previous years.
- 6/ The amount of re-regulatory water restored to system storage during the calendar year. This amount of water was conserved by IID and IID reduced its net diversions in accordance with the CRWDA, Exhibit C, column 7.
- 7/ Monthly cumulative net capture less re-regulatory water restored to system storage during the calendar year.
- 8/ IID and MWD engaged in extraordinary conservation by assisting Reclamation in the temporary re-regulation of Colorado River water that would otherwise be lost to beneficial use in the United States. Reclamation credited IID and MWD an amount equal to 25% of the re-regulated water captured. Each entity may apply these extraordinary conservation credits towards payback of CRWDA, Exhibit C obligations. This tabulation displays the monthly cumulative amount of extraordinary conservation credits accrued by the re-regulating entity.
- 9/ The amount of accrued extraordinary conservation credits applied toward the repayment of CRWDA, Exhibit C obligations during the calendar year.
- 10/ The monthly cumulative amount of accrued extraordinary conservation credits remaining at the end of the calendar year. Calculated as the BOY accrued credit balance less any extraordinary conservation credit used for payback during the calendar year.
- 11/ The amount of re-regulatory water temporarily stored in MWD's system and restored to system storage during the calendar year.

DEMONSTRATION PROGRAM FOR THE CREATION OF INTENTIONALLY CREATED SURPLUS WATER

In 2006, Reclamation entered into letter agreements with the Imperial Irrigation District and The Metropolitan Water District of Southern California to implement a demonstration program (Program) for the development of Intentionally Created Surplus Water (ICS). The Program covers the creation of ICS Water during calendar years 2006 and 2007. "ICS Water" in this Program refers to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona V. California*, 547 U.S. 150 (2006) (Consolidated Decree) as Intentionally Created Surplus. The Program requires the creation of ICS water through extraordinary conservation.

The following conditions apply to ICS Water:

- 5 percent of the ICS water created will be dedicated to system storage to provide a collective storage benefit for Colorado River users
- An annual evaporation loss of 2.8 percent will be applied to the remaining ICS Water beginning the year after it's creation; under flood control releases ICS water will be the first released and
- If the conserving entity incurs an overrun during a year when ICS water is to be created, the ICS creation will be reduced by the amount of the overrun, up to the amount of ICS proposed.

Copies of the agreements can be found in the Significant Documents section of the report.

DEMONSTRATION PROGRAM FOR THE CREATION OF INTENTIONALLY CREATED SURPLUS WATER ¹
 CALENDAR YEAR 2006

12/2008

(ACRE-FEET)

PARTICIPATING ENTITY	ICS AGREEMENT REPORTING	FTNTS	AMOUNTS
IMPERIAL IRRIGATION DISTRICT	ICS Water Created	2	1,000
	Amount of Creation Reduced by Overrun	3	1,000
	Amount Assessed for Benefit of CR System (5%)	4	0
	Amount Assessed for Evaporation (2.8%)	5	
	Amount of ICS Released for Flood Control Purposes	6	0
	End of Year ICS Account Balance	7	0
	THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	ICS Water Created	2
Amount of Creation Reduced by Overrun		3	7,619
Amount Assessed for Benefit of CR System (5%)		4	2,119
Amount Assessed for Evaporation (2.8%)		5	
Amount of ICS Released for Flood Control Purposes		6	0
End of Year ICS Account Balance		7	40,262

Footnotes:

- 1 In 2006, Reclamation entered into separate agreements with MWD and IID to implement a demonstration program to create Intentionally Created Surplus (ICS). The agreements define the terms that allow MWD and IID to store conserved water in Lake Mead and are available for review in the Significant Documents portion of this report.
- 2 The amount of ICS Water created by extraordinary conservation.
- 3 In the case of an overrun during the year in which ICS is created, an equal amount of the ICS water (up to the amount created) must be applied to the overrun.
- 4 During the year of creation, five percent of the ICS Water created will be dedicated to storage in the Colorado River system reservoirs.
- 5 Beginning in the year following the creation of ICS water, the balance of the ICS water shall be subject to an annual evaporation loss of 2.8 percent applied annually to the end-of-year balance of the ICS.
- 6 If Reclamation releases water for flood control purposes, ICS water will be the first to be released.
- 7 The End of Year balance of ICS water after the appropriate reductions have been applied.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2006

These documents are provided to give the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted the Bureau of Reclamation's delivery of Colorado River water during 2006.

The compact disc (CD) located in the pocket on the back cover of this report contains the documents significant to the delivery of Colorado River water in 2006. These electronically filed documents are in searchable Adobe Acrobat® (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms on page one of this report. Anyone seeking additional water accounting information is encouraged to log on to the following website, where all previous water accounting reports can be viewed and the complete PDF file may be downloaded: www.usbr.gov/lc/region/g4000/wtracct.html.

DECREE:

The Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006)

Decree issued by the United States Supreme Court in 2006 which consolidates decrees issued by the Court from 1964 onward.

- CD file name: 2006 Consolidated Decree

REPORTS:

2006 Annual Operating Plan (AOP) Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2006 given current and anticipated conditions

- CD file name: 2006 AOP Executive Summary

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2006 (cont.)**

AGREEMENTS:

Demonstration Program to Create Intentionally Created Surplus Water

An agreement between MWD and Reclamation to create 50,000 acre-feet of Intentionally Created Surplus Water in 2006 through extraordinary conservation in PVID under its Forbearance and Fallowing Program Agreement with PVID.

- CD file name: MWD ICS Agreement

Demonstration Program to Create Intentionally Created Surplus Water

An agreement between IID and Reclamation to create up to 5,000 acre-feet of Intentionally Created Surplus Water in 2006 through extraordinary conservation within IID.

- CD file name: IID ICS Agreement

Agreement to Implement a Demonstration Program for System Conservation of Colorado River Water

An agreement between Reclamation and MWD to conserve an additional 10,000 acre-feet of Colorado River water in 2006 and 2007 through voluntary supplemental fallowing above that already called for by MWD under its Forbearance and Fallowing Program Agreement with PVID.

- CD file name: BOR-MWD System Conservation Agreement

The Colorado River Water Delivery Agreement: Federal Quantification Settlement Agreement (QSA)

Water delivery agreement between the United States, IID, CVWD, MWD and SDCWA. This agreement quantifies the consumptive use allowances for the aforementioned water users. The agreement also addresses terms and conditions of water deliveries.

- CD file name: CRWDA 2003-10-20

The Inadvertent Overrun and Payback Policy

Terms and conditions for repaying inadvertent overruns of Colorado River water.

- CD file name: Inadvertent Overrun and Payback Policy

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2006 (cont.)**

MWD – PVID Forbearance and Fallowing Program Agreement

Agreement between MWD and PVID that provides for the fallowing of irrigated lands within PVID. This agreement was executed August 18, 2004, with fallowing beginning in January, 2005.

- CD file name: 2004 MWD-PVID Forbearance and Fallowing Program Agreement

The Storage and Interstate Release Agreement (SIRA)

This is a Water Banking Agreement between AWBA, SNWA and the CRC of NV. This agreement allows SNWA to acquire long-term water storage credits that are to be held by AWBA. These credits can be exchanged in a later year for Colorado River water made available when users in Arizona develop ICUA.

- CD file name: Storage and Interstate Release Agreement

Re-Regulation Letter Agreement – USBR/IID

Letter Agreement between Reclamation and IID. This agreement allows IID to capture excess flows from the Colorado River on a temporary basis to assist Reclamation in reducing the amount of water passing to Mexico in excess of Treaty requirements.

- CD file name: BOR-IID 2006 Letter Agreement for Re-reg Water

Re-Regulation Letter Agreement – USBR/MWD

Letter Agreement between Reclamation and MWD. This agreement allows MWD to capture excess flows from the Colorado River on a temporary basis to assist Reclamation in reducing the amount of water passing to Mexico in excess of Treaty requirements.

- CD file name: BOR-MWD 2006 Letter Agreement for Re-reg Water

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2006 (cont.)**

LETTERS:

Letter from Reclamation to water users explaining Reclamation's policy towards revisions to approved annual orders particularly with respect to 43 Code of Federal Regulations, Part 417, and the Inadvertent Overrun and Payback Policy.

- CD file name: Revisions to Approved Annual Water Orders

Letter from the Arizona Water Banking Authority to Reclamation updating the amount of water they anticipate storing in Arizona for the benefit of the Southern Nevada Water Authority in calendar year 2006.

- CD file name: AWBA to BOR SIRA for 2006

Letters from CAWCD, PVID, IID, MWD, SNWA granting consent for the development of the Intentionally Created Surplus pilot programs developed by IID and MWD for 2006 and 2007.

- CD file name: 2006-2007 Consent for ICS Program

Letter from Arizona Water Banking Authority to Reclamation verifying the amount of water stored in Arizona for the benefit of Southern Nevada Water Authority for calendar 2006.

- CD file name: 2006 AWBA SIRA Verified 2007-07-02

Letter from Reclamation to IID defining the terms for computation of the All American Canal system loss.

- CD file name: Terms for All American Canal Loss Computation 2007-11

MAPS:

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations.

- CD file name: USGS Pump Maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2007



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2007

Prepared by

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

December 2008

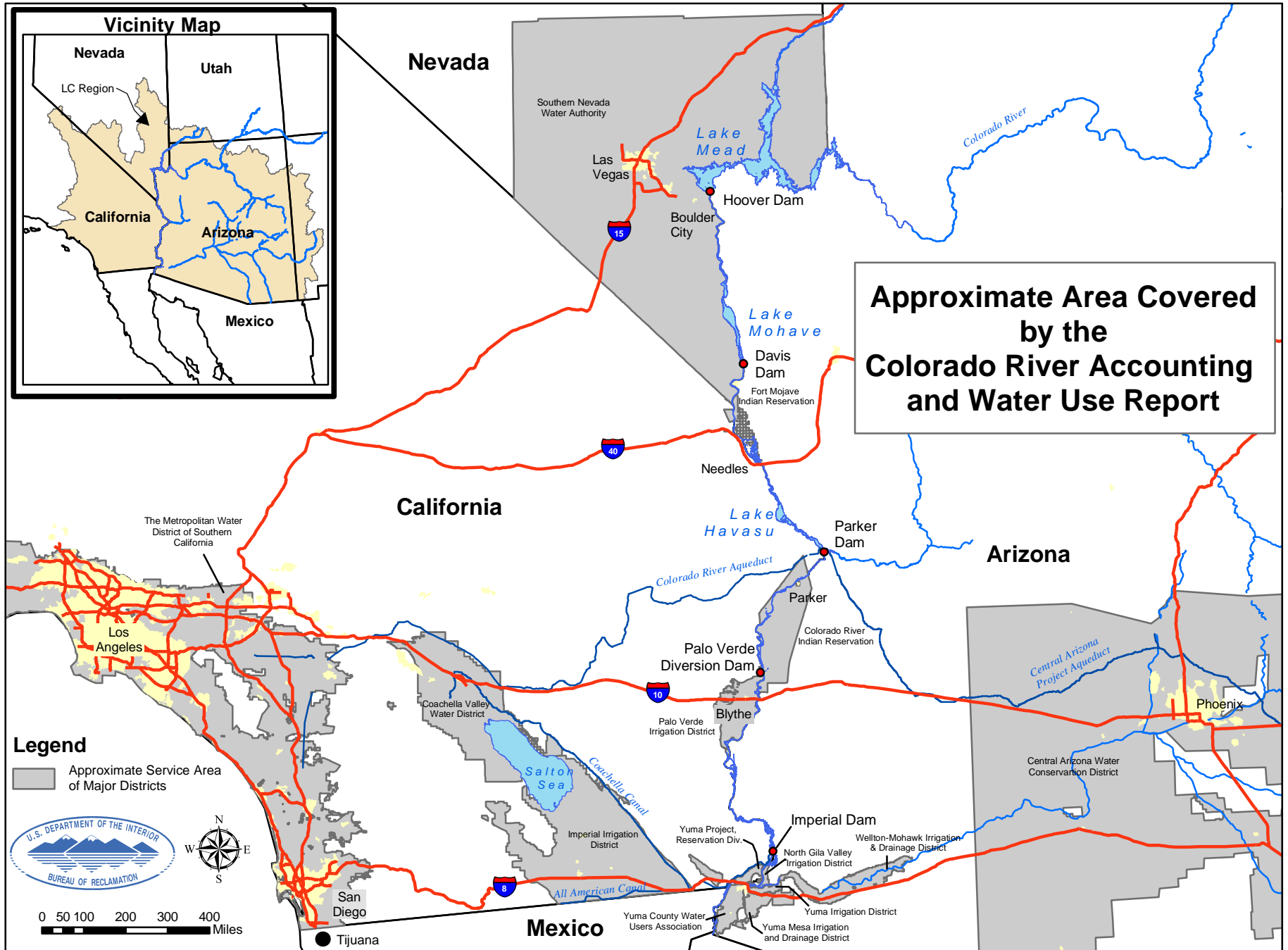


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Acronyms and Abbreviated Terms

These acronyms and abbreviations will be found in the text, footnotes, and headings within this document.

AAC	All-American Canal	Ftns	Footnotes (used as a column heading)
af	acre-feet, unit of water measurement	FYIR	Fort Yuma Indian Reservation
ADP	Arizona diesel pump	GGMC	Gila Gravity Main Canal
ADW	Arizona diesel well	ICUA	intentionally created unused apportionment
AEP	Arizona electric pump	I.D.D.	irrigation and drainage district
AEW	Arizona electric well	IBWC	International Boundary and Water Commission
ALTSC	accumulated long term storage credit	ICS	Intentionally Created Surplus
AOP	Annual Operating Plan	IID	Imperial Irrigation District
APS	Arizona Public Service	IOPP	Inadvertent Overrun and Payback Policy
ASLD	Arizona State Land Department	ISG	Colorado River Interim Surplus Guidelines
Assn.	Association	IUS	Interstate Underground Storage credits
AWBA	Arizona Water Banking Authority	kaf	Kilo (thousand) acre-feet
BLM	Bureau of Land Management	LCWSP	Lower Colorado Water Supply Project
BOY	beginning of year	LHFO	Lake Havasu Field Office (BLM)
CAWCD	Central Arizona Water Conservation District	LLC	Limited Liability Company
CCLP	Coachella Canal Lining Project	LTD	Limited
CDP	California diesel pump	LTSC	Long Term Storage Credit
CDW	California diesel well	MWD	The Metropolitan Water District of Southern California
CDEW	California diesel electric well	MOD	Main Outlet Drain
CEP	California electric pump	MODE	Main Outlet Drain Extension
CEW	California electric well	MEAS.	Measured (as in Measured Returns)
CFR	Code of Federal Regulations	M&I	municipal and industrial
CRBC	Colorado River Board of California	NIB	Northerly International Boundary
CRCN	Colorado River Commission of Nevada	PG & E	Pacific Gas and Electric Company
CRIT	Colorado River Indian Tribes	PVID	Palo Verde Irrigation District
CRWDA	Colorado River Water Delivery Agreement	QSA	Quantification Settlement Agreement
CU	consumptive use	SCE	Southern California Edison Company
CVWD	Coachella Valley Water District	SIRA	Storage and Interstate Release Agreement
CY	calendar year	SDCWA	San Diego County Water Authority
Diff.	difference	SLRSP	San Luis Rey Settlement Parties
Dist.	district	SNWA	Southern Nevada Water Authority
Div	diversion	BR	Bureau of Reclamation
DPOC	drainage pump outlet channel	USGS	United States Geological Survey
ET	evapotranspiration	UNMEAS	unmeasured (e.g. unmeasured returns)
EOY	end of year	YAO	Yuma Area Office (Reclamation)
FEIS	Final Environmental Impact Statement	YFO	Yuma Field Office (BLM)

S U M M A R Y
 COLORADO RIVER ACCOUNTING AND WATER USE REPORT
 CALENDAR YEAR 2007

		12/22/08	(ACRE-FEET)													
		Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY																
ARIZONA			180,650	191,544	275,545	296,335	308,454	289,276	237,678	162,590	243,182	257,817	202,237	138,013	2,783,323	
CALIFORNIA			227,318	275,839	359,914	457,405	518,079	482,430	497,339	476,744	408,129	298,273	211,888	157,337	4,370,695	
NEVADA			12,817	12,590	21,686	24,524	34,330	35,404	38,834	33,429	23,772	26,316	19,292	17,318	300,312	
TOTAL CONSUMPTIVE USE, LOWER DIVISION STATES			420,785	479,973	657,145	778,264	860,863	807,110	773,851	672,763	675,083	582,406	433,417	312,668	7,454,330	
TO MEXICO IN SATISFACTION OF TREATY		1/	121,599	149,057	202,851	195,427	108,570	117,676	122,860	95,471	89,307	74,721	102,966	119,495	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC			9,038	8,239	7,985	7,693	8,189	8,599	8,756	8,628	8,913	9,001	9,625	10,610	105,276	
TO MEXICO IN EXCESS OF TREATY			1,059	415	4	2,331	708	257	523	1,467	2,511	5,326	18	6,984	21,603	
TOTAL CU, LOWER DIVISION STATES AND DELIVERIES TO MEXICO		2/	552,481	637,684	867,985	983,715	978,330	933,642	905,990	778,329	775,814	671,454	546,026	449,757	9,081,209	
LCWSP WELLFIELD PUMPING SUMMARY																
		3/	NON-FEDERAL	0	0	79	482	497	689	653	625	601	682	622	657	5,588
		3/	FEDERAL	0	0	6	35	36	49	47	45	43	49	45	47	401
			TOTAL	0	0	85	517	533	738	700	670	644	731	667	704	5,989
RESERVOIR CONTENTS SUMMARY (Thousand Acre-Feet)																
			DEC 2006	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
LOWER BASIN TOTAL STORAGE		4/	16,327	16,540	16,468	16,177	15,739	15,288	15,014	14,837	14,847	14,626	14,525	14,602	14,982	-1,345
LOWER BASIN STORAGE PLUS LAKE POWELL		5/	28,403	28,242	28,020	27,814	27,523	27,979	27,896	27,301	26,942	26,554	26,335	26,222	26,227	-2,176
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL			54.0%	53.7%	53.2%	52.9%	52.3%	53.2%	53.0%	51.9%	51.2%	50.5%	50.0%	49.8%	49.8%	
OFFSTREAM INTERSTATE STORAGE SUMMARY																
			B.O.Y. Balance	2007 Storage		2007 Recovered		E.O.Y. Balance								
WATER STORED IN AZ FOR THE BENEFIT OF NV & CA		6/	NEVADA	412,634	114,886	0	0	527,520								
			CALIFORNIA	80,909	0	16,804	64,105									
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV		7/	NEVADA	25,000	0	0	25,000									

Note: Each section of this report and each division within a section, has an independant sequence of footnotes.

Footnotes:

- 1/ Deliveries to Mexico to meet treaty obligations.
- 2/ Sum of Total Consumptive Use in the Lower Division States, Deliveries to Mexico in Satisfaction of Treaty, Water Bypassed Pursuant of the IBWC Minute No. 242 and water passing to Mexico in excess of treaty obligations.
- 3/ Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.
- 4/ Sum of End of Month storage in Lakes Mead, Mohave and Havasu (Lower Basin).
- 5/ Sum of End of Month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
- 6/ Final verified total of Long-Term Storage Credits as reported by the Arizona Water Banking Authority.
- 7/ In 2004 MWD, SNWA and the Secretary of the Interior entered into a Storage and Interstate Release Agreement to allow MWD to divert and store water for the benefit of SNWA.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2007

	(THOUSAND ACRE-FEET)														
	12/22/08	Dec-06	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CY CHANGE
END OF MONTH ACTIVE CONTENTS:															
LAKE POWELL		12,076	11,703	11,552	11,637	11,784	12,691	12,882	12,465	12,095	11,929	11,809	11,620	11,246	-830
PERCENTAGE OF POWELL ACTIVE STORAGE	3/	49.7%	48.1%	47.5%	47.8%	48.4%	52.2%	53.0%	51.2%	49.7%	49.0%	48.6%	47.8%	46.2%	
LAKE MEAD		14,164	14,309	14,288	13,930	13,426	12,963	12,735	12,554	12,578	12,505	12,494	12,520	12,860	-1,304
LAKE MOHAVE		1,579	1,656	1,638	1,685	1,742	1,734	1,693	1,696	1,684	1,545	1,465	1,509	1,565	-14
LAKE HAVASU		584	575	542	562	571	591	586	587	585	576	566	573	557	-27
STORAGE IN LOWER BASIN	4/	16,327	16,540	16,468	16,177	15,739	15,288	15,014	14,837	14,847	14,626	14,525	14,602	14,982	-1,345
PERCENTAGE OF CO. RIVER ACTIVE STORAGE IN THE LOWER BASIN	5/	57.7%	58.4%	58.2%	57.2%	55.6%	54.0%	53.0%	52.4%	52.5%	51.7%	51.3%	51.6%	52.9%	
LOWER BASIN STORAGE PLUS LAKE POWELL	6/	28,403	28,242	28,020	27,814	27,523	27,979	27,896	27,301	26,942	26,554	26,335	26,222	26,227	-2,176
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL	7/	54.0%	53.7%	53.2%	52.9%	52.3%	53.2%	53.0%	51.9%	51.2%	50.5%	50.0%	49.8%	49.8%	
TOTAL SYSTEM STORAGE	8/	33,972	33,693	33,421	33,356	33,124	33,690	33,776	33,102	32,657	32,130	31,846	31,651	31,589	-2,383
PERCENTAGE OF TOTAL SYSTEM STORAGE	9/	57.2%	56.7%	56.3%	56.2%	55.8%	56.7%	56.9%	55.7%	55.0%	54.1%	53.6%	53.3%	53.2%	

Note: For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

Footnotes:

- 1/ Values may differ from figures shown due to rounding and being displayed to the nearest thousand acre feet.
- 2/ CY change is the difference in end of month storage between December of the previous year and December of the reporting year.
A positive value represents an increase in water in storage, and a negative value indicates a decrease in water in storage.
- 3/ Percentage of total active storage capacity available in Lake Powell. Based on total active storage of 24,322,000 af.
- 4/ The sum of end-of-month storage in Lakes Mead, Mohave and Havasu.
- 5/ The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on active storage of 28,306,000 af.
- 6/ The sum of end-of-month storage in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin).
- 7/ The percentage of available total active storage capacity held in Lakes Powell (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active storage of 52,628,000 af.
- 8/ Total end-of-month system storage, includes USBR reservoirs in Upper and Lower basins of the Colorado River.
- 9/ The percentage of total end-of-month system storage. This includes Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle (Upper Basin), Mead, Mohave and Havasu (Lower Basin). Based on total active system storage of 59,383,125 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulation for calendar year 2007 shows the final records for release of water through regulatory structures controlled by the United States. Releases from Glen Canyon and Hoover Dams are measured and reported by Reclamation. The Davis, Parker, Palo Verde, Imperial, and Laguna Dams records of release are furnished by the U.S.G.S. and are based upon measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

CALENDAR YEAR 2007

STRUCTURE	12/22/08 Ftns	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GLEN CANYON DAM		800,273	604,476	601,911	600,346	601,358	801,473	804,024	803,962	603,738	600,927	603,202	802,609	8,228,299
HOOVER DAM		638,558	646,851	970,104	1,092,869	1,025,751	957,792	950,120	802,855	655,805	569,752	575,056	476,597	9,362,110
DAVIS DAM		562,600	675,700	942,000	1,058,000	1,054,000	1,025,000	970,700	825,700	819,800	673,000	546,200	416,400	9,569,100
PARKER DAM		337,300	425,900	656,500	738,700	719,900	733,800	765,800	621,700	547,100	442,900	322,500	250,800	6,562,900
HEADGATE ROCK DAM	1/	310,890	393,610	614,220	674,160	650,020	663,880	692,570	550,740	490,050	402,020	294,340	225,510	5,962,010
PALO VERDE DAM		274,500	349,900	537,000	589,300	525,200	517,300	550,800	437,700	399,400	368,200	273,400	221,600	5,044,300
IMPERIAL DAM	2/	29,520	16,500	42,800	33,080	50,950	30,150	28,150	36,560	32,280	26,300	23,500	35,600	385,390
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		623	604	787	801	530	709	1,120	711	686	749	570	332	8,222
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		30,143	17,104	43,587	33,881	51,480	30,859	29,270	37,271	32,966	27,049	24,070	35,932	393,612
LAGUNA DAM		26,690	19,090	46,650	31,100	38,060	28,120	25,310	32,250	27,820	26,130	21,480	30,770	353,470

Note: All data is supplied by the USGS with the exception of the releases from Glen Canyon Dam and Hoover Dam, which are provided by the USBR.

Footnotes:

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

2/ Represents flow below Imperial Dam, does not include diversions through the All American Canal and the Gila Gravity Main Canal.

RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)

The following tabulations for calendar year 2007 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished by the U.S. Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam, were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each state. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream and consumptive use are also listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user.

For USGS reported wells and pumps, the diversions are assumed to be equal to 6.25 acre-feet per irrigated acre of land per year. Unmeasured returns are computed by multiplying a users' diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns. No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice any error or omission, please report it to the contact person listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF ARIZONA

		12/22/08	(ACRE-FEET)												
WATER USER	Ftrnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)		DIVERSION	4	3	5	10	12	13	15	12	9	7	5	2	97
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	4	3	5	10	12	13	15	12	9	7	5	2	97
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)		DIVERSION	9	7	9	8	17	20	26	25	23	18	17	9	188
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	9	7	9	8	17	20	26	25	23	18	17	9	188
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM		DIVERSION	7	3	12	49	14	4	4	4	6	4	4	4	115
		MEAS. RETURNS	7	3	12	48	14	4	4	4	6	4	4	4	114
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	0	0	0	1	0	0	0	0	0	0	0	0	1
BULLHEAD CITY PUMPED FROM WELLS DIV. AT DAVIS DAM, MOHAVE CO. PARKS		DIVERSION	740	703	819	870	1,083	1,139	1,248	1,231	1,042	966	838	726	11,405
		DIVERSION	5	7	8	8	13	11	13	11	11	8	8	6	109
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	246	234	273	290	362	380	416	410	347	321	279	242	3,800
		CONSUMPTIVE USE	499	476	554	588	734	770	845	832	706	653	567	490	7,714
MOHAVE WATER CONSERVATION DIST. PUMPED FROM WELLS		DIVERSION	43	54	73	79	97	118	128	123	97	81	58	57	1,008
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	14	18	24	26	32	39	42	41	32	27	19	19	333
		CONSUMPTIVE USE	29	36	49	53	65	79	86	82	65	54	39	38	675
BROOKE WATER LLC. PUMPED FROM RIVER		DIVERSION	19	19	32	20	42	45	45	44	37	36	32	26	397
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	6	6	11	7	14	15	15	15	12	12	11	9	133
		CONSUMPTIVE USE	13	13	21	13	28	30	30	29	25	24	21	17	264
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS		DIVERSION	1,297	2,290	2,724	4,056	3,472	3,678	3,693	3,932	4,527	2,251	1,964	1,586	35,470
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	597	1,053	1,253	1,866	1,597	1,692	1,699	1,809	2,082	1,035	903	730	16,316
		CONSUMPTIVE USE	700	1,237	1,471	2,190	1,875	1,986	1,994	2,123	2,445	1,216	1,061	856	19,154
FORT MOJAVE INDIAN RESERVATION PUMPED FROM RIVER	2/	DIVERSION	3,200	3,797	5,059	5,121	9,689	10,219	8,943	7,756	6,588	5,387	3,313	843	69,915
PUMPED FROM TOPOCK MARSH INLET		DIVERSION	1	139	262	432	679	597	200	158	606	581	142	0	3,797
DELIVERED BY CITY OF NEEDLES		DIVERSION	2	2	2	3	3	4	5	4	3	3	2	2	35
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	1,473	1,811	2,449	2,556	4,771	4,977	4,208	3,642	3,311	2,747	1,590	389	33,924
		CONSUMPTIVE USE	1,730	2,127	2,874	3,000	5,600	5,843	4,940	4,276	3,886	3,224	1,867	456	39,823
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	3/	DIVERSION	20	25	34	37	45	55	60	58	45	38	27	26	470
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	7	8	11	12	15	18	20	19	15	13	9	9	156
		CONSUMPTIVE USE	13	17	23	25	30	37	40	39	30	25	18	17	314
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK MARSH INLET	4/	DIVERSION	399	1,571	4,081	5,861	5,102	4,943	5,320	3,334	1,968	678	0	0	33,257
FARM DITCH		DIVERSION	96	406	1,074	1,293	1,050	1,019	766	542	622	261	0	0	7,129
PUMPED FROM ONE WELL IN FLOOD PLAIN	3/	DIVERSION	10	11	15	17	20	25	27	26	20	17	12	12	212
		MEAS. RETURNS	0	0	2	9	0	1	0	0	0	0	0	0	12
		UNMEAS. RETURNS	444	1,749	4,548	6,303	5,431	5,268	5,379	3,434	2,297	841	11	11	35,716
		CONSUMPTIVE USE	61	239	620	859	741	718	734	468	313	115	1	1	4,870

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF ARIZONA

12/22/08		(ACRE-FEET)												
WATER USER	Ftrnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE HAVASU CITY														
DISTRICT PUMPED FROM WELLS														
	DIVERSION	1,149	1,025	1,107	1,138	1,141	1,500	1,632	1,794	1,523	1,459	1,270	1,113	15,851
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	437	390	421	432	434	570	620	682	579	554	483	423	6,025
	CONSUMPTIVE USE	712	635	686	706	707	930	1,012	1,112	944	905	787	690	9,826
CENTRAL ARIZONA PROJECT														
PUMPED FROM LAKE HAVASU														
	DIVERSION	133,727	131,318	171,214	160,808	159,299	148,452	100,014	42,417	134,100	164,060	147,108	118,236	1,610,753
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	133,727	131,318	171,214	160,808	159,299	148,452	100,014	42,417	134,100	164,060	147,108	118,236	1,610,753
TOWN OF PARKER														
PUMPED FROM RIVER														
WELL IN FLOOD PLAIN														
5/	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERSION	52	48	72	75	84	85	85	91	75	71	56	40	834
	MEAS. RETURNS	21	21	24	24	24	22	23	22	21	22	25	24	273
	UNMEAS. RETURNS	15	14	21	21	24	24	24	26	21	20	16	11	237
	CONSUMPTIVE USE	16	13	27	30	36	39	38	43	33	29	15	5	324
COLORADO RIVER INDIAN RESERVATION														
DIVERSION AT HEADGATE ROCK DAM														
2 PUMPS AND MUNICIPAL														
6/	DIVERSION	26,410	32,290	42,280	64,540	69,880	69,920	73,230	70,960	57,050	40,880	28,160	25,290	600,890
	DIVERSION	537	634	876	941	1,138	1,349	1,453	1,408	1,116	952	688	650	11,742
	MEAS. RETURNS	14,028	13,838	16,695	19,408	21,497	18,480	19,422	19,876	19,734	19,667	17,257	16,133	216,035
	UNMEAS. RETURNS	1,482	1,811	2,374	3,601	3,906	3,920	4,108	3,980	3,199	2,301	1,587	1,427	33,696
	CONSUMPTIVE USE	11,437	17,275	24,087	42,472	45,615	48,869	51,153	48,512	35,233	19,864	10,004	8,380	362,901
EHRENBURG IMPROVEMENT ASSN.														
ONE RIVER PUMP														
	DIVERSION	32	29	35	39	41	47	51	49	43	39	31	25	461
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	9	8	10	11	12	13	15	14	12	11	9	7	131
	CONSUMPTIVE USE	23	21	25	28	29	34	36	35	31	28	22	18	330
CIBOLA VALLEY														
CIBOLA VALLEY I.D.D.														
MOHAVE COUNTY WATER AUTHORITY														
HOPI TRIBE														
	DIVERSION	92	738	1,793	855	1,276	2,182	2,510	1,864	1,400	658	205	47	13,620
	DIVERSION	11	441	660	487	902	1,085	1,077	848	949	207	20	58	6,745
	DIVERSION	274	499	543	411	702	799	884	763	596	504	387	331	6,693
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	107	478	854	500	821	1,159	1,274	990	839	390	174	124	7,710
	CONSUMPTIVE USE	270	1,200	2,142	1,253	2,059	2,907	3,197	2,485	2,106	979	438	312	19,348
CIBOLA NATIONAL WILDLIFE REFUGE														
3 PUMPS														
	DIVERSION	605	415	1,016	851	1,352	1,183	1,590	1,134	2,037	1,218	1,533	614	13,548
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	230	158	386	323	514	450	604	431	774	463	583	233	5,149
	CONSUMPTIVE USE	375	257	630	528	838	733	986	703	1,263	755	950	381	8,399
IMPERIAL NATIONAL WILDLIFE REFUGE														
4 PUMPS														
	DIVERSION	70	51	52	52	80	69	122	92	146	66	57	543	1,400
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	27	19	20	20	30	26	46	35	55	25	22	206	531
	CONSUMPTIVE USE	43	32	32	32	50	43	76	57	91	41	35	337	869
YUMA PROVING GROUND														
DIVERSION AT IMPERIAL DAM														
WELLS W, X, Y, Z														
	DIVERSION	0	1	1	0	0	0	3	1	0	0	0	1	7
	DIVERSION	22	20	25	67	93	72	96	112	27	60	51	60	705
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	22	21	26	67	93	72	99	113	27	60	51	61	712
GILA MONSTER FARMS														
DIVERSION AT IMPERIAL DAM														
	DIVERSION	573	587	1,168	1,205	957	1,053	706	709	686	1,014	554	243	9,455
	MEAS. RETURNS	34	32	117	72	66	75	42	48	13	45	9	6	559
	UNMEAS. RETURNS	218	223	444	458	364	400	268	269	261	385	211	92	3,593
	CONSUMPTIVE USE	321	332	607	675	527	578	396	392	412	584	334	145	5,303

*Use from ASLD lease has been deducted.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF ARIZONA

		12/22/08	(ACRE-FEET)											
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
WELLTON MOHAWK I. D. D. DIVERSION AT IMPERIAL DAM														
	DIVERSION	22,030	26,201	45,292	44,165	49,741	48,672	43,839	37,292	38,313	35,458	20,587	8,570	420,160
	GGMC RETURN	1,449	1,583	5,022	2,964	3,816	3,848	2,915	2,802	821	1,755	357	229	27,561
	7/ DOME RETURN	794	666	952	1,170	706	512	301	228	263	334	346	639	6,911
	MOD RETURN	9,450	8,580	9,160	9,070	9,400	8,610	9,260	8,670	9,190	9,590	10,020	11,910	112,910
	TOTAL RETURNS	11,693	10,829	15,134	13,204	13,922	12,970	12,476	11,700	10,274	11,679	10,723	12,778	147,382
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	10,337	15,372	30,158	30,961	35,819	35,702	31,363	25,592	28,039	23,779	9,864	-4,208	272,778
CITY OF YUMA DIVERSION AT IMPERIAL DAM (AAC)														
	DIVERSION	1,960	1,800	2,107	1,939	2,035	2,297	2,264	2,407	2,075	1,985	1,816	1,847	24,532
DIVERSION AT IMPERIAL DAM (GGMC)														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
YUMA EAST WETLANDS														
	DIVERSION	11	10	24	30	42	46	47	41	29	19	11	8	320
DIVERTED FOR MWD DESALTING STUDY														
	DIVERSION	64	58	66	67	67	65	0	0	0	0	0	0	387
	MEAS. RETURNS	805	594	823	827	757	761	778	829	829	834	832	843	9,512
	UNMEAS. RETURNS	4	3	8	9	11	11	11	9	7	5	4	3	84
	CONSUMPTIVE USE	1,226	1,271	1,366	1,200	1,376	1,636	1,523	1,610	1,268	1,165	992	1,010	15,642
MARINE CORPS AIR STATION (YUMA) DIVERSION AT IMPERIAL DAM														
	DIVERSION	75	65	130	137	173	167	199	191	168	155	109	85	1,654
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	75	65	130	137	173	167	199	191	168	155	109	85	1,654
SOUTHERN PACIFIC COMPANY DIVERSION AT IMPERIAL DAM														
	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	2	2	2	2	2	2	2	2	2	2	2	2	24
	CONSUMPTIVE USE	2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSN. DIVERSION AT IMPERIAL DAM														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM (WARREN ACT)														
	DIVERSION	38	62	28	69	81	73	88	72	67	1	32	27	638
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	38	62	28	69	81	73	88	72	67	1	32	27	638
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM														
	DIVERSION	10	13	14	24	43	36	41	35	26	23	16	28	309
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	3	3	4	6	11	9	10	9	7	6	4	7	79
	CONSUMPTIVE USE	7	10	10	18	32	27	31	26	19	17	12	21	230
CAMILLE ALLEC JR. DIVERSION AT IMPERIAL DAM (WARREN ACT)														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM														
	DIVERSION	2	0	2	0	14	0	17	15	2	0	5	0	57
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	1	0	1	0	4	0	5	5	1	0	2	0	19
	CONSUMPTIVE USE	1	0	1	0	10	0	12	10	1	0	3	0	38
NORTH GILA VALLEY I.D.D. DIVERSION AT IMPERIAL DAM														
	8/ DIVERSION	2,785	2,591	4,607	4,836	5,734	4,919	4,687	3,289	3,550	4,965	3,344	2,221	47,528
	MEAS. RETURNS	1,672	1,362	2,499	2,570	3,048	2,622	2,735	2,102	2,115	2,967	2,145	1,769	27,606
	UNMEAS. RETURNS	382	355	631	663	786	674	642	451	486	680	458	304	6,512
	CONSUMPTIVE USE	731	874	1,477	1,603	1,900	1,623	1,310	736	949	1,318	741	148	13,410

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF ARIZONA

		12/22/08	(ACRE-FEET)												
WATER USER	Ftrts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
YUMA IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	3,839	4,464	7,225	7,277	7,638	6,200	5,218	5,210	4,804	6,388	4,369	3,177	65,809
PUMPED FROM PRIVATE WELLS	9/	DIVERSION	127	94	199	176	193	108	202	145	158	115	71	25	1,613
	10/	DELIVERED BY YID	193	220	360	378	499	504	517	392	269	246	282	133	3,993
SURFACE RETURNS		MEAS. RETURNS	1,062	1,206	2,314	1,929	2,187	1,836	1,479	1,598	1,098	1,668	1,001	824	18,202
PUMPED FROM WELLS	9/	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	845	971	1,581	1,587	1,668	1,344	1,154	1,141	1,057	1,385	946	682	14,361
		CONSUMPTIVE USE	2,059	2,381	3,529	3,937	3,976	3,128	2,787	2,616	2,807	3,450	2,493	1,696	34,859
YUMA MESA I. D. D.															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	11,217	10,143	15,204	18,951	24,236	24,863	28,700	25,408	16,297	13,992	11,745	5,713	206,469
		MEAS. RETURNS	6,901	7,911	9,357	7,684	8,362	8,866	11,486	10,476	7,428	8,356	6,404	5,891	99,122
		UNMEAS. RETURNS	1,795	1,623	2,433	3,032	3,878	3,978	4,592	4,065	2,608	2,239	1,879	914	33,036
		CONSUMPTIVE USE	2,521	609	3,414	8,235	11,996	12,019	12,622	10,867	6,261	3,397	3,462	-1,092	74,311
UNIT "B" I. D. D.															
DIVERSION AT IMPERIAL DAM		DIVERSION	1,740	1,581	1,847	2,329	3,091	3,477	3,823	3,654	2,579	2,490	1,996	831	29,438
		MEAS. RETURNS	1,197	1,379	1,529	1,265	1,354	1,469	1,916	1,765	1,302	1,476	1,128	1,033	16,813
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	543	202	318	1,064	1,737	2,008	1,907	1,889	1,277	1,014	868	-202	12,625
FORT YUMA INDIAN RESERVATION															
DIVERSIONS FOR YUMA EAST WETLANDS		DIVERSION	14	14	44	55	85	102	91	80	50	27	11	7	580
RANCH "5" LANDS, YUMA ISLAND, AZ (180 ac)		DIVERSION	56	43	62	86	131	48	161	31	62	56	108	30	874
DOMESTIC		DIVERSION	2	2	2	2	2	2	3	2	1	2	1	1	22
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	32	28	64	72	101	79	96	46	45	33	44	15	655
		CONSUMPTIVE USE	40	31	44	71	117	73	159	67	68	52	76	23	821
YUMA COUNTY WATER USERS' ASSOCIATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	21,076	22,724	37,520	43,083	39,540	26,221	24,185	18,605	27,322	39,947	29,902	16,949	347,074
PUMPED FROM WELLS		DIVERSION	149	41	25	40	479	45	19	0	13	0	9	17	837
		MEAS. RETURNS	8,826	8,098	8,533	8,264	8,608	7,437	6,035	5,495	8,083	10,524	10,747	8,102	98,752
		UNMEAS. RETURNS	446	478	788	906	840	552	508	391	574	839	628	356	7,306
		CONSUMPTIVE USE	11,953	14,189	28,224	33,953	30,571	18,277	17,661	12,719	18,678	28,584	18,536	8,508	241,853
COCOPA INDIAN RESERVATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	87	71	136	133	397	115	121	467	312	789	441	376	3,445
PUMPED FROM WELLS	11/	DIVERSION	1	0	0	0	5	0	0	0	0	0	0	0	6
		MEAS. RETURNS	2	1	3	2	5	2	1	8	7	24	17	7	79
		UNMEAS. RETURNS	0	0	0	0	2	0	0	0	0	0	0	0	2
		CONSUMPTIVE USE	86	70	133	131	395	113	120	459	305	765	424	369	3,370
RECLAMATION, YUMA AREA OFFICE															
PUMPED FROM COOPER LATERAL		DIVERSION	8	8	8	8	8	8	10	6	6	5	5	5	85
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	8	8	8	8	8	8	10	6	6	5	5	5	85
PUMPED FROM SOUTH GILA WELLS (DPOC'S)															
	12/	MEAS. RETURNS	7,187	5,894	5,912	5,561	5,929	6,481	5,907	5,929	5,854	6,067	5,718	3,925	70,364
		UNMEAS. ABOVE	-7,187	-5,894	-5,912	-5,561	-5,929	-6,481	-5,907	-5,929	-5,854	-6,067	-5,718	-3,925	-70,364
		RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO															
RIVER AND WELLS IN FLOOD PLAIN DAVIS	13/	DIVERSION	1,568	1,754	2,463	2,462	2,932	3,488	3,335	3,036	2,348	2,266	1,968	1,802	29,422
DAM TO INTERNATIONAL BOUNDARY		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	549	615	862	862	1,026	1,221	1,167	1,063	823	794	690	631	10,303
		CONSUMPTIVE USE	1,019	1,139	1,601	1,600	1,906	2,267	2,168	1,973	1,525	1,472	1,278	1,171	19,119
ARIZONA TOTALS															
		DIVERSION	236,269	248,876	352,060	375,206	394,954	370,642	321,000	239,492	313,538	330,211	263,092	192,273	3,637,615
		MEAS. RETURNS	53,435	51,168	62,954	60,867	65,773	61,026	62,304	59,852	56,764	63,333	56,010	51,339	704,825
		UNMEAS. RETURNS	2,184	6,164	13,561	18,004	20,727	20,340	21,018	17,050	13,592	9,061	4,846	2,921	149,467
		CONSUMPTIVE USE	180,650	191,544	275,545	296,335	308,454	289,276	237,678	162,590	243,182	257,817	202,237	138,013	2,783,323

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF ARIZONA

12/22/08

(ACRE-FEET)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
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Note: The term 'CONSUMPTIVE USE' in this tabulation means diversions, including groundwater pumping, less measured return flow and less current estimated unmeasured return flow to the river.

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversion amounts include deliveries to the Fort Mojave Tribe from the City of Needles and diversions from Topock Marsh Inlet canal.
- 3/ Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Havasu NWR diversion amounts have been adjusted downward for diversions out of the Topock Marsh inlet canal by Mohave Valley Irrigation and Drainage District and Fort Mojave Indian Reservation.
- 5/ The Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- 6/ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- 7/ Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

8/ This is the summation for the Yuma Mesa Division of the Gila Project, consisting of the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District:

Item	Annual Totals (Acre-Feet)
Diversion at Imperial Dam	319,806
Pumped from wells	1,613
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	2,778
Return flow North Gila Valley (6 drains & wasteways)	7,788
Total Yuma Mesa Division Unmeasured Returns	53,909
Return flow Yuma Mesa Outlet Drain	37,935
Return flow protective and regulatory pumping unit	43,319
Estimated unmeasured groundwater return flow	27,274
Return flow share of Gila Main Canal loss	25,834
Subtotal return flow	198,837
Consumptive Use (see note above)	122,582

- (A) Total surface diversion for the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District.
- (B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to 'Unit B'.
- (C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
- (D) Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
- (E) Diversion times mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1,397 af/yr), and phreatophytes (2,154 af/yr).

- 9/ Diversion and return amounts include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation others are pumped to control groundwater elevation. These wells were previously reported in the Arizona Supplemental Section.
- 10/ This is water diverted by YID and delivered to G. Ogram, Ogram Boy's Enterprises, and ASLD leasees which lie outside of the YID service area. YID's GGMC diversion and loss have been reduced accordingly.
- 11/ Diversion amounts include pumpage from AEW-15,16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.
- 12/ Until comprehensive modeling of the Yuma area, to determine how unmeasured returns are affected by pumping of the DPOC wellfield, is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
- 13/ Details may be found on the Arizona Supplemental Sheets.

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2007
 STATE OF ARIZONA

		12/22/08	(ACRE-FEET)												
WATER USER	Ftnts	USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company			3	2	3	3	3	3	2	2	2	2	2	1	28
SUBTOTAL, LEE FERRY TO DAVIS DAM	2/		3	2	3	3	3	3	2	2	2	2	2	1	28
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	1	1	1	1	1	1	1	1	1	1	1	0	11
		CONSUMPTIVE USE	2	1	2	2	2	2	1	1	1	1	1	1	17
McAlister, M.			0	1	1	1	1	1	1	1	1	1	1	0	10
Crystal Beach Water Conservation District			9	9	9	9	9	9	9	9	9	9	9	9	108
Arizona-American Water Co.			95	0	128	48	34	68	71	71	70	59	48	59	751
Arizona State Parks (Windsor Beach)			1	1	2	1	2	2	3	3	2	1	1	0	19
SUBTOTALS, DAVIS DAM TO PARKER DAM	2/		105	11	140	59	46	80	84	84	82	70	59	68	888
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	37	4	49	21	16	28	29	29	29	25	21	24	312
		CONSUMPTIVE USE	68	7	91	38	30	52	55	55	53	45	38	44	576
Hillcrest Water Co.			1	1	2	2	2	3	4	3	3	3	2	2	28
Rayner, Jack Jr.		AEP-9, AEW-35	0	188	375	563	563	747	750	563	375	188	188	0	4,500
Arizona State Land Department (domestic use)			4	5	4	7	8	7	8	8	6	4	6	4	71
Arizona State Land Department (agricultural use)			16	20	327	131	321	455	233	217	150	76	47	145	2,138
North Baja Pipeline, LLC, (TransCanada)			34	34	24	13	11	51	26	0	28	33	26	19	299
BLM Permittees (LHFO & YFO)			68	54	70	84	81	110	102	85	57	98	41	90	940
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2/		123	302	802	800	986	1,373	1,123	876	619	402	310	260	7,976
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	43	106	281	280	345	481	393	307	217	141	109	91	2,794
		CONSUMPTIVE USE	80	196	521	520	641	892	730	569	402	261	201	169	5,182
Bard Date Gardens (Jessen Family LTD. Partnership)		AEP-1, AEW-3	64	57	90	71	114	125	58	123	42	27	56	60	887
Glen Curtis Citrus	3/	AEP-3, AEW-4/5, ADW-3	131	94	98	130	163	222	175	163	130	131	136	97	1,670
Youmans, R. (Beatty Farms Southwest)	3/	ADW-2	44	56	75	81	99	120	131	126	99	83	59	58	1,031
BLM Permittees (YFO)			12	19	20	27	33	27	25	24	24	20	37	292	
Pratt, L.	3/	ADW-1	13	17	23	25	30	37	40	38	30	25	18	17	313
Ogram, George	3/4/	AEW-9 Delivered by Y.I.D.	92	33	20	33	23	12	18	66	86	69	0	0	452
Ogram Boys Enterprizes	3/4/	Delivered by Y.I.D.	80	161	39	25	67	50	63	56	0	61	102	79	783
Peach	3/	AEW-13/AEW-48	13	17	23	25	30	36	40	38	30	25	18	16	311
Yucca Pwr Plant (Arizona Public Service Co.)	3/		49	45	53	24	52	63	69	80	67	60	56	47	665
Amigo Farms	3/	AEW-14, ADP-1	25	44	39	52	84	38	40	83	37	34	0	0	476
Curry Family Limited	3/	AEP-4, ADP-2	12	15	20	22	27	33	36	34	27	23	16	16	281
Power, P.	3/	ADP-3/4	33	41	56	60	74	90	98	94	74	62	44	43	769
North Cocopah Tribe	3/	AEP-22, AEW-15/16/49	126	157	215	232	283	344	373	361	284	238	169	165	2,947
Pasquinelli, Gary	3/	ADP-5	38	38	38	76	38	38	0	38	38	38	38	38	456
Arizona State Land Department (agricultural use)	4/		605	645	709	717	780	797	960	750	677	892	865	800	9,197
SUBTOTALS, BELOW IMPERIAL DAM	2/		1,337	1,439	1,518	1,600	1,897	2,032	2,126	2,074	1,645	1,792	1,597	1,473	20,530
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	468	504	531	560	664	711	744	726	576	627	559	516	7,186
		CONSUMPTIVE USE	869	935	987	1,040	1,233	1,321	1,382	1,348	1,069	1,165	1,038	957	13,344
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2/		1,568	1,754	2,463	2,462	2,932	3,488	3,335	3,036	2,348	2,266	1,968	1,802	29,422
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	549	615	862	862	1,026	1,221	1,167	1,063	823	794	690	631	10,303
		CONSUMPTIVE USE	1,019	1,139	1,601	1,600	1,906	2,267	2,168	1,973	1,525	1,472	1,278	1,171	19,119

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2007
 STATE OF ARIZONA

12/22/08

(ACRE-FEET)

WATER USER	Ftns	USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Foot notes:

1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.

2/ Monthly and annual totals rounded and displayed to the nearest whole number.

3/ Calculated by assuming an annual diversion rate of 6.25 af per acre.

4/ Ogram, Ogram Boys, and some ALSD lands have water delivered (wheeled) to them by YID from the GGMC. A proportionate share of the loss associated with the GGMC has been assessed.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF CALIFORNIA

		12/22/08	(ACRE-FEET)												
WATER USER	Ftnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOJAVE INDIAN RESERVATION															
DELIVERED BY CITY OF NEEDLES	2/	DIVERSION	4	2	1	3	6	5	4	3	5	5	9	1	48
PUMPED FROM RIVER AND WELLS		DIVERSION	577	1378	1919	2135	1864	3019	2816	2598	1932	1472	939	626	21,275
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	268	638	887	988	864	1,397	1,303	1,202	895	682	438	290	9,852
		CONSUMPTIVE USE	313	742	1,033	1,150	1,006	1,627	1,517	1,399	1,042	795	510	337	11,471
CITY OF NEEDLES															
PUMPED FROM WELLS	3/	DIVERSION	137	146	190	227	259	289	296	278	241	231	182	111	2,587
		MEAS. RETURNS	30	30	34	34	40	34	39	36	35	33	31	33	409
		UNMEAS. RETURNS	28	29	37	41	50	57	60	51	49	48	37	24	511
		CONSUMPTIVE USE	79	87	119	152	169	198	197	191	157	150	114	54	1,667
CHEMEHUEVI INDIAN RESERVATION															
PUMPED FROM RIVER AND WELLS		DIVERSION	15	11	30	17	23	25	29	26	22	61	18	17	294
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	7	5	14	8	11	12	13	12	10	28	8	136	
		CONSUMPTIVE USE	8	6	16	9	12	13	16	14	12	33	10	158	
METROPOLITAN WATER DISTRICT															
DIVERSION FROM LAKE HAVASU		DIVERSION	44,145	52,675	13,191	69,480	79,316	76,463	56,987	91,007	84,397	21,071	22,980	26,952	638,664
SUPPLEMENTAL WATER	4/	DIVERSION	375	375	375	375	375	375	375	375	375	375	375	375	4,500
WATER EXCHANGED WITH SDCWA	5/	DIVERSION	5,958	5,958	5,959	5,958	5,958	5,959	5,958	5,958	5,959	5,958	5,958	7,584	73,125
		MEAS. RETURNS	268	234	257	247	247	230	199	203	200	244	244	260	2,833
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	50,210	58,774	19,268	75,566	85,402	82,567	63,121	97,137	90,531	27,160	29,069	34,651	713,456
PARKER DAM AND GOVERNMENT CAMP															
DIVERSION AT PARKER DAM	3/	DIVERSION	16	12	15	18	20	19	18	23	19	20	11	6	197
		MEAS. RETURNS	2	2	2	2	10	10	10	10	10	2	1	2	63
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	14	10	13	16	10	9	8	13	9	18	10	4	134
COLORADO RIVER INDIAN RESERVATION															
3 RIVER PUMPS		DIVERSION	180	227	309	334	409	496	541	520	409	343	243	239	4,250
BIG RIVER DEVELOPMENT - 8 WELLS		DIVERSION	64	68	94	105	134	150	170	173	151	114	76	47	1,346
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	106	128	174	190	235	280	308	300	242	198	138	124	2,423
		CONSUMPTIVE USE	138	167	229	249	308	366	403	393	318	259	181	162	3,173
CITY OF WINTERHAVEN															
PUMPED FROM 1 WELL IN FLOODPLAIN	6/	DIVERSION	5	6	8	8	10	12	13	13	10	9	6	6	106
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	2	2	3	3	3	4	4	4	3	3	2	2	35
		CONSUMPTIVE USE	3	4	5	5	7	8	9	9	7	6	4	4	71
PALO VERDE IRRIGATION DISTRICT															
DIVERSION FROM PALO VERDE DAM		DIVERSION	36,710	52,060	67,870	77,590	107,900	107,300	113,000	110,000	96,320	62,710	48,280	37,350	917,090
		MEAS. RETURNS	31,608	31,285	38,198	37,338	42,132	45,455	50,652	47,513	48,337	42,212	37,820	37,835	490,385
		UNMEAS. RETURNS	2,056	2,915	3,801	4,345	6,042	6,009	6,328	6,160	5,394	3,512	2,704	2,092	51,358
		CONSUMPTIVE USE	3,046	17,860	25,871	35,907	59,726	55,836	56,020	56,327	42,589	16,986	7,756	-2,577	375,347
YUMA PROJECT, RES. DIV. INDIAN UNIT															
DIVERSION AT IMPERIAL DAM	7/	DIVERSION	2,901	2,917	5,450	6,197	6,738	2,403	2,295	2,420	1,938	4,567	4,347	2,323	44,496
DOMESTIC		DIVERSION	34	42	57	66	76	92	100	96	78	61	48	44	794
		MEAS. RETURNS	61	51	90	89	67	38	17	36	32	122	141	38	782
		UNMEAS. RETURNS	500	506	936	1,064	1,159	442	428	447	359	790	747	408	7,786
YUMA PROJECT, RES. DIV. BARD UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	2,467	1,978	4,122	5,291	5,192	5,042	2,668	3,241	3,779	4,544	3,369	1,761	43,454
		MEAS. RETURNS	31	20	39	43	31	48	15	27	41	66	67	16	444
		UNMEAS. RETURNS	412	330	688	884	867	842	446	541	631	759	563	294	7,257
RETURNS FROM YUMA PROJECT															
RESERVATION DIVISION RETURNS	8/	MEAS. RETURNS	2,178	1,786	2,314	2,078	1,903	1,954	2,301	2,315	2,380	2,380	2,222	2,084	25,895
SUM YUMA PROJECTS, RES. DIV. USE		CONSUMPTIVE USE	2,220	2,244	5,562	7,396	7,979	4,213	1,856	2,391	2,352	5,055	4,024	1,288	46,580

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF CALIFORNIA

		12/22/08	(ACRE-FEET)												
WATER USER	Ftrnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
IMPERIAL IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM															
	9/	DIVERSION	157,668	174,743	287,839	317,642	333,477	310,384	339,390	290,303	249,979	230,433	149,390	111,278	2,952,526
		MEAS. RETURNS	5,506	5,028	7,673	7,431	5,605	8,741	4,835	6,789	7,427	9,705	8,116	2,916	79,772
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	152,162	169,715	280,166	310,211	327,872	301,643	334,555	283,514	242,552	220,728	141,274	108,362	2,872,754
WATER TRANSFERRED TO SDCWA (MITIGATION)															
	10/	DIVERSION	0	7,215	1,719	1,933	2,306	3,958	4,549	2,062	0	0	0	129	23,871
		MEAS. RETURNS	0	208	46	45	39	111	65	48	0	0	0	3	565
		CA CONSUMPTIVE USE	0	7,007	1,673	1,888	2,267	3,847	4,484	2,014	0	0	0	126	23,306
COACHELLA VALLEY WATER DISTRICT															
DIVERSION AT IMPERIAL DAM															
		DIVERSION	19,321	19,215	25,882	24,574	32,816	31,827	34,260	32,901	28,417	27,397	29,859	14,705	321,174
		MEAS. RETURNS	675	553	690	575	552	896	488	769	844	1,154	1,622	385	9,203
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	18,646	18,662	25,192	23,999	32,264	30,931	33,772	32,132	27,573	26,243	28,237	14,320	311,971
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN															
DAVIS DAM TO INTERNATIONAL BOUNDARY															
	11/	DIVERSION	854	1,003	1,373	1,535	1,902	2,103	2,486	2,170	1,774	1,502	1,237	1,054	18,993
		MEAS. RETURNS	8	10	14	15	19	23	25	24	20	16	11	11	196
		UNMEAS. RETURNS	367	432	592	663	826	908	1,080	936	767	646	527	446	8,190
		CONSUMPTIVE USE	479	561	767	857	1,057	1,172	1,381	1,210	987	840	699	597	10,607
CALIFORNIA TOTALS															
		DIVERSION	271,431	320,031	416,403	513,488	578,781	549,921	565,955	544,167	475,805	360,873	267,327	204,608	5,068,790
		MEAS. RETURNS	40,367	39,207	49,357	47,897	50,645	57,540	58,646	57,770	59,326	55,934	50,275	43,583	610,547
		UNMEAS. RETURNS	3,746	4,985	7,132	8,186	10,057	9,951	9,970	9,653	8,350	6,666	5,164	3,688	87,548
		CONSUMPTIVE USE	227,318	275,839	359,914	457,405	518,079	482,430	497,339	476,744	408,129	298,273	211,888	157,337	4,370,695

Note: The term 'CONSUMPTIVE USE' as used in this tabulation means diversions, including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversion amounts include deliveries to the Fort Mojave Tribe by the City of Needles. Diversion values listed as pumped from river and wells are provided by the Fort Mojave Tribe and Reclamation.
- 3/ A portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.
- 4/ Water available to MWD which would have been available for allocation to the San Luis Rey Settlement Parties (SLRSP) as a result of the Coachella Canal Lining Project had the requirements of Section 104 of Public Law 100-675 as amended been satisfied. Water delivered to MWD pursuant to Section 7.6 of the October 10, 2003 Allocation Agreement.
- 5/ Water conserved by (i) IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement and (ii) water allocated to SDCWA as a result of the CCLP pursuant to Article 10 of the October 10, 2003 Allocation Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement.
- 6/ Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 7/ A new inclusion for the Fort Yuma Indian Tribe in California. These figures represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the reservation.
- 8/ Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.
- 9/ Diversions totaling 50 acre-feet were made from the AAC to supply water for the construction of the Quechan casino along Interstate 8 near Algodones Road. This water was diverted downstream of the gate at station 1117. The IID diversion for the month of December has been reduced by this amount.
- 10/ This entry represents water conserved by IID and transferred to SDCWA, in accordance with CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended. Water subject to temporary re-regulation was captured and temporarily stored by IID in the Salton Sea at Reclamation's request in 2004 and 2005. In 2007, 2,356 af of the temporarily re-regulated water was restored to the system through IID reduced diversions pursuant to Exhibit B Column 7 of the CRWDA. The use of this water does not constitute California agricultural usage for the purposes of meeting the ISG target.
- 11/ Details can be found on the California Supplemental page.

CALIFORNIA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2007
STATE OF CALIFORNIA

WATER USER	12/22/08		(ACRE-FEET)												
	USGS #	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	2/	CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	2/	CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Gas Company	3/	CEW-21	3	3	5	5	6	8	8	8	6	5	4	4	65
Pacific Gas & Electric Company	3/		13	17	23	25	30	37	40	39	30	25	18	18	315
Havasu Water Company	3/	Needles rpt.	2	3	3	3	4	5	5	5	4	3	3	2	42
Vista Del Lago (was J. Victor Construction)	3/	Needles rpt.	0	0	0	1	1	1	1	2	2	2	1	1	12
Wells reported under non-Federal subcontracts to LCWSP	3/	Needles rpt.	7	8	12	12	15	18	20	19	15	13	10	9	158
SUBTOTALS, DAVIS DAM TO PARKER DAM	4/	DIVERSION	25	31	43	46	56	69	74	73	57	48	36	34	592
	3a/	MEAS. RETURNS	8	10	14	15	19	23	25	24	20	16	11	11	196
		UNMEAS. RETURNS	4	4	6	6	8	10	10	11	8	7	6	5	85
		CONSUMPTIVE USE	13	17	23	25	29	36	39	38	29	25	19	18	311
Wetmore, Kenneth C.			0	0	0	1	1	1	1	1	0	0	0	0	5
Williams, Jerry O. & Deloris P.			0	0	0	0	0	0	1	0	0	0	0	0	1
Carney, Jerome D.			0	0	0	0	0	1	0	0	0	0	0	0	1
Wetmore, Mark M.			0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch	2/	CEW-16	2	2	3	3	3	4	4	4	4	3	2	2	36
Lake Enterprises of California			1	1	1	1	3	2	2	3	1	1	1	2	19
BLM Permittees (LHFO & YFO)	3/5/		28	28	33	49	39	54	45	58	45	34	34	33	480
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	4/	DIVERSION	31	31	38	55	47	63	54	67	51	39	38	37	551
		BLM UNMEAS. RETURNS	6	6	7	13	10	13	12	14	11	8	9	9	118
		UNMEAS. RETURNS	1	1	2	3	4	4	4	4	3	2	2	2	32
		CONSUMPTIVE USE	24	24	29	39	33	46	38	49	37	29	27	26	401
FORT YUMA IR - CA															
Valdez, Mike	2/	CDP-1, 2, CEW-1	43	53	73	79	96	117	127	122	96	81	57	56	1,000
Fort Yuma Indian Tribe (Steve Alameda)	2/	CEW-2, CDP-3	0	0	0	0	0	0	0	0	0	0	0	0	0
Valdez, Mike	2/	CEW-3, CDP-4, CDW-1	133	167	228	246	300	363	398	383	301	251	179	176	3,125
MivCo Packing	2/	CEW-14	37	47	64	69	84	102	111	107	84	71	50	49	875
Valdez, Mike	2/	CEW-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranch "5" Lands, Yuma Island, CA (351 ac)	6/	AAC diversion	110	84	121	168	254	94	313	60	120	110	211	59	1,704
Huerta Packing	2/	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
Quechan Hotel and Casino	7/	AAC diversion	0	0	0	0	0	0	0	0	0	8	21	21	50
SUM OF PUMPING ON FYIR - CA	4/	DIVERSION	323	351	486	562	734	676	949	672	601	521	518	361	6,754
SUM OF UNMEAS. RETURNS, FYIR - CA		UNMEAS. RETURNS	144	157	217	251	328	302	424	300	269	229	222	152	2,995
YUMA ISLAND - CA															
Arizona State Land Department Lessees															
Martin Family Trust	2/	CEP-01,02, CDW-07	35	43	59	64	78	95	103	99	78	65	47	46	812
Billy Turner	2/	CEW-08, CEP-03, CDW-07	31	38	52	57	69	84	90	88	69	58	43	40	719
Leroy Heile	2/	CDEW-01, CEW-07, CDW-06	51	63	86	93	114	139	151	145	114	97	68	67	1,188
James Williams	2/	CDW-5	11	14	19	21	25	31	33	32	25	21	16	15	263
Griffin Produce Company	2/	CEW-04,05, CDW-03	68	85	116	125	153	186	203	195	153	128	92	90	1,594
Perez Family Trust	2/	CEW-06, CDW-04	36	45	61	66	81	98	107	103	81	68	50	48	844
Clifford Winton Jr.	2/8/		10	13	17	19	23	28	30	29	23	19	14	13	238
Clara Jean Wilson	2/8/		11	13	18	20	24	29	32	31	24	20	14	14	250
Lou Ella Harp	2/8/		28	34	47	51	62	75	82	79	62	52	37	35	644
Robert E. Harp	2/8/		19	24	33	35	43	52	58	55	43	36	27	25	450
Leroy Heile	2/	CDW-8	31	38	52	57	69	84	91	88	69	58	43	39	719
K.H. Easterday	2/	CEW-10,22	49	62	84	91	111	135	147	142	111	93	66	65	1,156
Wilson Farms	2/	CEW-11	15	18	25	27	33	40	44	42	33	28	20	19	344
R. Harp	2/	CDW-2	33	42	57	61	75	91	99	96	75	63	45	44	781
Dees, Alex	2/	CEW-9	47	58	80	85	105	128	139	134	105	88	63	62	1,094
Mike Palmer (Power, L.O.)	2/	CEW-13	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON YUMA ISLAND - CA	4/	DIVERSION	475	590	806	872	1,065	1,295	1,409	1,358	1,065	894	645	622	11,096
SUM OF UNMEAS. RETURNS, YUMA ISLAND - CA		UNMEAS. RETURNS	212	264	360	390	476	579	630	607	476	400	288	278	4,960

CALIFORNIA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2007
STATE OF CALIFORNIA

WATER USER	12/22/08 USGS # 1/	(ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	DIVERSION	798	941	1,292	1,434	1,799	1,971	2,358	2,030	1,666	1,415	1,163	983	17,850
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	356	421	577	641	804	881	1,054	907	745	629	510	430	7,955
	CONSUMPTIVE USE	442	520	715	793	995	1,090	1,304	1,123	921	786	653	553	9,895
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION	DIVERSION	854	1,003	1,373	1,535	1,902	2,103	2,486	2,170	1,774	1,502	1,237	1,054	18,993
	MEAS. RETURNS	8	10	14	15	19	23	25	24	20	16	11	11	196
	UNMEAS. RETURNS	367	432	592	663	826	908	1,080	936	767	646	527	446	8,190
	CONSUMPTIVE USE	479	561	767	857	1,057	1,172	1,381	1,210	987	840	699	597	10,607

Footnotes:

1/ Reference number listed on the annual USGS Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain" or the column contains a comment.

2/ Calculated by assuming an annual diversion rate of 6.25 af per acre.

3/ Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.

3a/ This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.

4/ Monthly and annual totals rounded to the nearest whole number.

5/ At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA.

6/ Surface water diversions from the AAC through Bard Water District. Diversion calculated by prorating total measured delivery by irrigated acreage in each state.

Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.

7/ Water pumped from the AAC down stream of the Station 1117 gage. IID and CVWD have had their diversions reduced accordingly. No return flow was provided for this diversion as it was used principally for dust control.

8/ Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated by acreage factor outlined in footnote 2/ above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF NEVADA

		12/22/08	(ACRE-FEET)											
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Boulder Canyon Project														
DIVERSION AT HOOPER DAM	DIVERSION	3	3	4	4	5	5	6	6	5	6	5	4	56
	MEAS. RETURNS	2	3	3	4	4	3	4	4	3	4	3	3	40
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	0	1	0	1	2	2	2	2	2	2	1	16
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	30,461	28,472	37,990	38,731	47,125	47,795	52,037	48,047	39,540	43,187	36,345	34,574	484,304
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	40	36	35	36	53	54	65	72	66	58	55	39	609
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	40	36	35	36	53	54	65	72	66	58	55	39	609
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD COVE)	DIVERSION	17	15	17	17	20	20	17	33	30	27	26	20	259
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	17	15	17	17	20	20	17	33	30	27	26	20	259
BASIC MANAGEMENT INC.														
DIVERSION AT LAKE MEAD	DIVERSION	417	344	374	396	534	513	525	620	581	540	368	484	5,696
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	417	344	374	396	534	513	525	620	581	540	368	484	5,696
CITY OF HENDERSON														
DIVERSION AT LAKE MEAD	DIVERSION	768	485	1,027	1,514	1,975	1,485	1,854	1,343	1,210	1,039	1,056	995	14,751
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	768	485	1,027	1,514	1,975	1,485	1,854	1,343	1,210	1,039	1,056	995	14,751
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT LAKE MEAD	DIVERSION	455	355	287	105	89	32	5	0	0	8	8	4	1,348
	MEAS. RETURNS	454	354	286	104	88	31	4	0	0	7	7	3	1,338
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	1	1	1	1	0	0	1	1	1	10
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	71	72	72	70	78	74	70	60	60	72	73	50	822
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	71	72	72	70	78	74	70	60	60	72	73	50	822
MOHAVE GENERATING STATION (SCE)														
PUMPED FROM 1 WELL	DIVERSION	21	9	5	5	29	41	51	54	55	48	37	41	396
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	21	9	5	5	29	41	51	54	55	48	37	41	396
BIG BEND WATER DISTRICT														
	DIVERSION	326	305	363	382	429	456	475	474	421	392	340	290	4,653
	MEAS. RETURNS	193	195	225	225	225	233	258	249	223	217	203	180	2,626
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	133	110	138	157	204	223	217	225	198	175	137	110	2,027
FORT MOJAVE INDIAN RESERVATION														
PUMPED FROM 2 WELLS IN FLOODPLAIN	DIVERSION	114	424	338	597	658	308	239	294	550	197	393	159	4,271
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	38	140	112	197	217	102	79	97	182	65	130	52	1,411
	CONSUMPTIVE USE	76	284	226	400	441	206	160	197	368	132	263	107	2,860
LAS VEGAS WASH RETURN FLOWS														
	3/ RETURNS	19,189	17,238	18,200	16,803	16,131	15,010	16,165	17,224	18,338	18,965	19,071	19,104	211,438

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2007
STATE OF NEVADA

WATER USER	12/22/08	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
NEVADA TOTALS														
	DIVERSION	32,693	30,520	40,512	41,857	50,995	50,783	55,344	51,003	42,518	45,574	38,706	36,660	517,165
	MEAS. RETURNS	19,838	17,790	18,714	17,136	16,448	15,277	16,431	17,477	18,564	19,193	19,284	19,290	215,442
	UNMEAS. RETURNS	38	140	112	197	217	102	79	97	182	65	130	52	1,411
	CONSUMPTIVE USE	12,817	12,590	21,686	24,524	34,330	35,404	38,834	33,429	23,772	26,316	19,292	17,318	300,312
GROUNDWATER INJECTED STORAGE														
LAS VEGAS VALLEY WATER DIST.	4/	INJECTED	2,283	1,373	1,819	76	0	0	0	0	1,360	4,445	6,660	18,016
		WITHDRAWN	0	0	0	0	0	0	58	640	296	183	48	1,225
CITY OF NORTH LAS VEGAS		INJECTED	0	0	0	0	0	0	0	0	0	0	0	0
		WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversions derived by a combination of measurements and user provided data. Beginning in 2007, diversions were fully measured and reported by Reclamation or the water purveyor.
- 3/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated July 29, 2003.

4/ Nevada Injected Storage Balance:	A/	Beginning of Year Cumulative Injected Storage	330,190
		Plus Current Year Additions	18,016
		Minus Current Year Withdrawals	1,225
		End of Year Cumulative Injected Storage	346,981

A/ Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
*ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)***

The following tabulations for calendar year 2007 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was analyzed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those which divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

Should the reader compare the sum of the water ordered but not diverted, which is delivered to Mexico in excess of treaty requirements tabulated below to the figure presented in the next section of this report, Article V (D), they will find that the totals do not match. This is a result of differences in the data provided to Reclamation and the method for summing the information. In this section, Reclamation sums the amount of water calculated to have been delivered to Mexico in excess of treaty requirements only. In the following section, the excess delivery data is supplied by the IBWC and represents the sum of daily deliveries in excess of treaty requirements and daily under deliveries to Mexico. The figures in the next section will typically be lower than in this section.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2007
 STATE OF ARIZONA

12/22/08		(ACRE-FEET)												
WATER USER	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		1,375	828	4,303	7,377	652	19,342	1,014	837	791	3,882	2,137	591	43,130
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	2/	1,375	828	4,303	7,377	652	19,342	1,014	837	791	3,882	2,137	591	43,130
DELIVERED TO STORAGE														
FLOW TO MEXICO IN														
EXCESS OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
CO. RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK														
ORDERED BUT NOT DIVERTED		1,579	2,674	3,402	3,263	3,443	3,556	3,513	3,644	4,070	1,924	2,366	9,646	43,080
DELIVERED TO MEXICO IN		1,090	823	878	861	609	868	1,355	1,397	2,358	868	1,726	4,941	17,775
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		110	965	1,748	1,661	2,404	1,971	1,418	1,623	1,120	351	327	3,431	17,130
DELIVERED TO STORAGE	2/	306	835	729	595	404	635	672	547	426	389	274	844	6,655
DELIVERED TO STORAGE														
FLOW TO MEXICO IN														
EXCESS OF TREATY		73	51	46	145	27	82	68	76	166	317	39	430	1,520
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		579	1,443	569	494	632	796	1,165	236	190	1,887	1,998	1,532	11,520
DELIVERED TO MEXICO IN		175	489	160	146	139	133	532	129	58	780	1,152	633	4,527
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		155	612	373	249	428	569	421	88	61	447	587	639	4,629
DELIVERED TO STORAGE	2/	212	331	33	50	57	87	185	12	46	411	227	185	1,836
DELIVERED TO STORAGE														
FLOW TO MEXICO IN														
EXCESS OF TREATY		36	11	3	48	8	7	29	6	26	248	31	74	527
GILA MONSTER FARM														
DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		1,041	920	847	852	716	239	423	407	414	831	1,192	1,502	9,384
DELIVERED TO MEXICO IN		472	376	285	276	76	53	148	171	177	326	593	540	3,494
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		382	338	422	432	579	108	176	160	128	210	464	701	4,102
DELIVERED TO STORAGE	2/	155	195	126	113	53	73	91	46	86	178	119	176	1,412
DELIVERED TO STORAGE														
FLOW TO MEXICO IN														
EXCESS OF TREATY		31	11	13	32	8	5	7	30	23	117	15	85	377
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		7,306	6,741	3,666	5,447	4,133	3,917	14,055	11,227	5,149	7,394	13,331	10,906	93,273
DELIVERED TO MEXICO IN		3,312	3,483	2,140	1,785	510	1,113	6,296	5,841	2,713	3,045	6,886	5,141	42,265
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		2,242	1,909	422	2,174	2,917	1,680	3,910	2,672	1,781	1,603	4,745	3,859	29,913
DELIVERED TO STORAGE	2/	1,217	1,298	1,016	1,058	669	999	3,513	2,040	473	2,001	1,497	939	16,719
DELIVERED TO STORAGE														
FLOW TO MEXICO IN														
EXCESS OF TREATY		535	52	88	430	38	126	337	674	181	745	203	968	4,376
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		623	562	270	559	506	407	804	345	1,046	787	1,918	2,451	10,279
DELIVERED TO MEXICO IN		270	139	116	165	72	142	308	226	463	330	971	1,204	4,405
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		152	236	115	241	361	223	292	101	340	138	686	759	3,645
DELIVERED TO STORAGE	2/	168	178	39	94	55	34	185	10	201	214	226	266	1,672
DELIVERED TO STORAGE														
FLOW TO MEXICO IN														
EXCESS OF TREATY		33	9	0	59	19	8	18	8	41	105	35	222	558

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2007
 STATE OF ARIZONA

12/22/08		(ACRE-FEET)												
WATER USER	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		4,593	5,196	2,132	1,684	434	1,541	480	1,702	5,911	8,764	8,623	8,070	49,131
DELIVERED TO MEXICO IN		2,816	2,505	629	429	41	359	230	663	3,008	4,152	4,711	2,104	21,646
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		664	1,505	1,218	697	307	1,132	126	524	1,528	1,576	2,672	4,892	16,841
DELIVERED TO STORAGE	2/	1,057	1,131	255	490	67	34	98	492	881	1,953	1,116	1,014	8,588
FLOWS TO MEXICO IN														
EXCESS OF TREATY		56	55	30	68	19	15	26	23	494	1,084	124	60	2,055
UNIT "B" I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		176	720	495	672	386	357	461	744	814	361	545	980	6,710
DELIVERED TO MEXICO IN		121	369	103	234	17	62	178	368	462	150	311	411	2,786
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		24	174	283	389	324	233	191	304	185	69	159	438	2,773
DELIVERED TO STORAGE	2/	27	162	104	28	45	57	84	21	106	122	58	125	939
FLOWS TO MEXICO IN														
EXCESS OF TREATY		4	16	5	20	0	5	7	51	61	20	16	6	211
YUMA COUNTY WATER USERS' ASSN., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		6,061	8,354	4,039	3,141	7,003	3,297	6,572	6,712	3,756	7,855	9,669	11,820	78,278
DELIVERED TO MEXICO IN		2,577	4,311	1,532	891	1,628	589	2,393	3,134	1,647	3,410	5,262	5,907	33,280
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		2,332	2,761	1,769	1,090	4,488	2,121	2,283	2,090	1,322	1,805	3,269	3,319	28,650
DELIVERED TO STORAGE	2/	880	1,218	685	852	798	554	1,761	1,197	526	1,656	1,040	1,582	12,749
FLOWS TO MEXICO IN														
EXCESS OF TREATY		273	64	52	308	90	34	135	290	261	984	98	1,012	3,600
=====														
ARIZONA TOTALS														
ORDERED BUT NOT DIVERTED		23,334	27,437	19,721	23,489	17,907	33,453	28,488	25,854	22,141	33,684	41,778	47,499	344,784
DELIVERED TO MEXICO IN		10,833	12,495	5,843	4,787	3,091	3,319	11,440	11,929	10,887	13,060	21,612	20,882	130,178
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		6,061	8,499	6,351	6,934	11,808	8,037	8,817	7,563	6,465	6,198	12,910	18,037	107,682
DELIVERED TO STORAGE	2/	5,397	6,176	7,290	10,658	2,800	21,815	7,604	5,203	3,537	10,804	6,695	5,721	93,701
FLOWS TO MEXICO IN														
EXCESS OF TREATY	3/	1,042	268	237	1,109	207	281	627	1,159	1,252	3,622	561	2,858	13,224

1/ This tabulation includes the users who provide Reclamation with a daily diversion schedule.

2/ Available for future use.

3/ The summation of actual flows to Mexico greater than Mexico's daily water schedule resulting from water ordered but not diverted.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2007
 STATE OF CALIFORNIA

12/22/08		(ACRE-FEET)												
WATER USER	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		2,284	1,520	568	3,498	3,890	4,134	3,887	3,630	4,726	2,164	948	8,368	39,617
DELIVERED TO MEXICO IN SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	2/	2,284	1,520	568	3,498	3,890	4,134	3,887	3,630	4,726	2,164	948	8,368	39,617
DELIVERED TO STORAGE FLOWS TO MEXICO IN EXCESS OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM														
ORDERED BUT NOT DIVERTED		819	871	1,460	1,853	317	774	992	436	972	801	857	282	10,433
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		414	350	295	1,000	0	83	442	178	270	323	381	77	3,813
DIVERTED BY OTHERS		228	310	821	591	317	539	310	198	295	159	406	191	4,366
DELIVERED TO STORAGE	2/	53	208	323	227	0	129	221	59	354	215	59	3	1,852
DELIVERED TO STORAGE FLOWS TO MEXICO IN EXCESS OF TREATY		125	2	21	34	0	22	19	1	54	103	11	10	403
YUMA PROJECT RES. DIVISION, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		4,262	4,070	1,859	2,224	1,151	1,571	2,701	2,362	2,159	2,016	4,088	5,784	34,247
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,089	1,566	509	508	335	473	1,087	719	1,027	1,074	2,223	2,580	14,189
DIVERTED BY OTHERS		1,300	1,594	693	1,269	684	766	832	1,169	726	368	1,423	2,073	12,896
DELIVERED TO STORAGE	2/	611	866	617	345	110	309	735	401	304	355	393	736	5,783
DELIVERED TO STORAGE FLOWS TO MEXICO IN EXCESS OF TREATY		261	44	40	103	23	23	47	73	102	219	50	395	1,379
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		11,482	13,060	12,250	7,825	7,573	8,261	5,110	4,886	8,173	5,716	5,916	15,454	105,705
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		5,730	6,192	4,532	3,216	2,347	2,911	3,249	2,315	3,073	1,915	4,468	11,025	50,973
DIVERTED BY OTHERS		2,285	3,254	4,908	2,435	3,876	2,878	345	857	1,774	1,016	529	941	25,097
DELIVERED TO STORAGE	2/	2,894	3,458	2,567	1,782	1,224	2,058	1,411	1,210	2,200	1,467	800	1,540	22,611
DELIVERED TO STORAGE FLOWS TO MEXICO IN EXCESS OF TREATY		573	157	243	391	126	414	105	505	1,126	1,317	119	1,948	7,024
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		829	521	1,652	2,842	2,044	762	1,983	2,197	4,682	692	1,652	3,985	23,842
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		544	198	893	1,077	464	176	604	542	1,648	424	1,279	2,145	9,992
DIVERTED BY OTHERS		83	164	266	1,023	1,434	325	894	1,156	1,908	190	278	1,215	8,935
DELIVERED TO STORAGE	2/	125	153	452	598	147	235	459	466	636	26	91	371	3,759
DELIVERED TO STORAGE FLOWS TO MEXICO IN EXCESS OF TREATY		77	7	41	143	0	26	26	34	490	52	5	254	1,155
CALIFORNIA TOTALS														
ORDERED BUT NOT DIVERTED		19,675	20,042	17,789	18,241	14,976	15,503	14,673	13,512	20,712	11,390	13,460	33,872	213,844
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		8,776	8,306	6,229	5,801	3,145	3,643	5,381	3,754	6,018	3,736	8,351	15,827	78,968
DIVERTED BY OTHERS		3,897	5,321	6,688	5,318	6,310	4,509	2,381	3,380	4,703	1,734	2,635	4,419	51,294
DELIVERED TO STORAGE	2/	5,966	6,205	4,526	6,451	5,371	6,866	6,714	5,766	8,220	4,228	2,291	11,018	73,622
DELIVERED TO STORAGE FLOWS TO MEXICO IN EXCESS OF TREATY	3/	1,036	210	346	671	149	486	197	612	1,771	1,691	184	2,608	9,961

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2007
 STATE OF CALIFORNIA

12/22/08

(ACRE-FEET)

WATER USER	1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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1/ This tabulation includes the users who provide Reclamation with a daily diversion schedule.

2/ Available for future use.

3/ The summation of actual flows to Mexico greater than Mexico's daily water schedule resulting from water ordered but not diverted.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944
AND WATER PASSING TO MEXICO IN EXCESS OF
TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

WATER USER	12/22/08	CALENDAR YEAR 2007												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DELIVERY TO NIB	1/	112,500	138,220	191,216	186,761	97,902	107,652	111,155	86,246	79,921	65,639	89,356	114,804	1,381,372
DELIVERY AT THE LIMITROPHE	2/	811	773	685	314	507	489	639	589	831	767	871	872	8,148
DELIVERY FOR TIJUANA	3/	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERY TO SIB		9,347	10,479	10,954	10,683	10,869	9,792	11,589	10,103	11,066	13,641	12,757	10,803	132,083
TOTAL DELIVERY TO MEXICO	4/	122,658	149,472	202,855	197,758	109,278	117,933	123,383	96,938	91,818	80,047	102,984	126,479	1,521,603
TO MEXICO IN SATISFACTION OF TREATY		121,599	149,057	202,851	195,427	108,570	117,676	122,860	95,471	89,307	74,721	102,966	119,495	1,500,000
TO MEXICO IN EXCESS OF TREATY	5/	1,059	415	4	2,331	708	257	523	1,467	2,511	5,326	18	6,984	21,603
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC		9,038	8,239	7,985	7,693	8,189	8,599	8,756	8,628	8,913	9,001	9,625	10,610	105,276

Footnotes:

- 1/ Flow in the river at the Northerly International Boundary.
- 2/ Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways and diversion channel in satisfaction of the 1944 Treaty requirements.
- 3/ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minute No. 310 of the IBWC.
- 4/ Water delivered to Mexico and charged against treaty requirements. This does not include Water Bypassed Pursuant to Minute No. 242 of the IBWC.
- 5/ Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

CALENDAR YEAR 2007

12/22/08

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information tabulated here provides a broader record of activities relating to federal management of the Colorado River in concise reports specific to various agreements or requirements and it is intended to help the reader to connect the records of diversions and consumptive uses to the various conservation, transfer and exchange agreements that they may be involved in. The final section contains documents significant to the actions taken by Reclamation, the Lower Division states, and the water user agencies.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). The SIRA provides structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's Colorado River water consumption. The forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

the year Colorado River water is diverted. LTSC's are created for the account of consuming entities in Nevada or California. When LTSC's are recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC's. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II(B)(6) of the Consolidated Decree. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls upon this stored water, MWD will develop ICUA by withdrawing water previously stored for SNWA and will reduce its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. Recovery of MWD's credits is subject to the terms of an amended letter agreement dated December 11, 2007.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA, provisional LTSC accrued during the past year, Long Term Storage Credits recovered during the past year, ALTSC held for an entity with a SIRA, and credits assigned to MWD by CAWCD.

INTERSTATE BANKING
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2007

12/22/08

(ACRE-FEET)

		Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified BOY ALTSC	1/	412,634												
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 07	2/	4,688	5,121	6,155	8,584	12,535	3,722	21,886	30,160	14,622	8,783	3,811	3,955	124,022
	Verified LTSC in 07	3/	4,343	4,744	5,702	7,952	11,611	3,448	20,273	27,938	13,545	8,136	3,530	3,664	114,886
	Recovered LTSC in 07	4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	5/	416,977	421,721	427,423	435,375	446,986	450,434	470,707	498,645	512,190	520,326	523,856	527,520	527,520
Water diverted and stored by MWD for the benefit of SNWA.	Verified BOY ALTSC	6/	25,000												
	Accrued LTSC in 07	6/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 07		0	0	0	0	0	0	0	0	0	0	0	0	0
	Recovered LTSC in 07	4/6/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	6/	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
AMOUNT OF WATER STORED FOR THE BENEFIT OF NEVADA - CURRENT YEAR			4,343	4,744	5,702	7,952	11,611	3,448	20,273	27,938	13,545	8,136	3,530	3,664	114,886
CUMULATIVE BALANCE OF WATER STORED FOR NEVADA WITHIN AZ AND CA		7/	441,977	446,721	452,423	460,375	471,986	475,434	495,707	523,645	537,190	545,326	548,856	552,520	552,520
CALIFORNIA	Verified BOY ALTSC	8/	80,909												
Water diverted and stored in Arizona for the benefit of MWD.	Accrued LTSC in 07	2/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 07	3/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Recovered LTSC in 07	4/	424	181	1,648	756	1,318	1,535	1,481	1,037	1,163	874	504	5,883	16,804
	Total ALTSC	5/8/	80,485	80,304	78,656	77,900	76,582	75,047	73,566	72,529	71,366	70,492	69,988	64,105	64,105
STATES TOTAL	Verified BOY ALTSC	1/	518,543												
Water stored in AZ & CA for the benefit of Nevada and California Parties.	Accrued LTSC in 07	2/	4,688	5,121	6,155	8,584	12,535	3,722	21,886	30,160	14,622	8,783	3,811	3,955	124,022
	Verified LTSC in 07	3/	4,343	4,744	5,702	7,952	11,611	3,448	20,273	27,938	13,545	8,136	3,530	3,664	114,886
	Recovered LTSC in 07	4/	424	181	1,648	756	1,318	1,535	1,481	1,037	1,163	874	504	5,883	16,804
	Total ALTSC	5/	522,462	527,025	531,079	538,275	548,568	550,481	569,273	596,174	608,556	615,818	618,844	616,625	616,625

Footnotes:

- 1/ Accumulated Long-term Storage Credits verified by the banking party before the beginning of the reporting year to be available for recovery by a specific entity with a valid SIRA. Requested Intentionally Created Unused Apportionment cannot exceed verified LTSC.
- 2/ Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200 kaf annually.
- 3/ LTSC available for recovery for the storage beneficiary as verified by the AWBA in a letter dated July 25, 2008.
- 4/ LTSC recovered by AWBA or MWD during the reporting year, represented by ICUA that AWBA or MWD have certified to be available and the Secretary has released to a specific entity with a valid SIRA during the same year. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary of the Interior. Total recovery of ALTSC from AWBA can not exceed 100 kaf annually, due to a limitation defined under Arizona State law. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use under its state apportionment in an amount equal to Nevada's and/or California's requested release and Nevada and/or California will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available.
- 5/ Accumulated Long-term Storage Credits are cumulative monthly sum of verified, or estimated LTSC.
- 6/ In 2004 MWD, SNWA, and the Secretary of the Interior entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. No water was stored by MWD in 2007, under this agreement. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, CA will be required to reduce its consumptive use under its state apportionment in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California.
- 7/ This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the current year.
- 8/ LTSC banked in CAWCD's name that are recoverable by MWD under the CAWCD/MWD agreement of October 15, 1992, as amended by the CAWCD/AWBA/MWD amended letter agreement of December 11, 2007.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For a variety of reasons, a user may inadvertently divert or consumptively use Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements have now been put in place for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003, by the Secretary of the Interior. Beginning in 2004, certain Districts within California agreed in the CRWDA to begin paybacks to the Colorado River system according to the payback schedule set forth in Exhibit C of the CRWDA in the aggregate amount of accrued overruns for CY 2001 and 2002. The CRWDA permits advance payback.

Reclamation has also implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division states occurring after that date. The policy is set forth in 69 Federal Register 12,201 (2004).

The following tabulation displays two items associated with inadvertent overruns and paybacks: 1) Identification of entitlement holders who have inadvertently overrun since January 1, 2007. The amount of the overrun repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account. 2) The quantity of paybacks made by California parties under Exhibit C of the CRWDA and the remaining balance in each Exhibit C payback account.

The table titled Exhibit C reproduces Exhibit C from the CRWDA for convenient reference.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2007
 STATE OF ARIZONA

12/22/08		(ACRE-FEET)			
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns		APPROVAL ENTITLEMENT
IOPP Overruns by Individual Water Users				2007	
GILA MONSTER FARMS	IOPP Overruns by Water User	Calendar Year Diversion	2	9,455	8,550
		Calendar Year Overrun - Div.	3	905	
		Calendar Year Overrun - CU		508	
		BOY Overrun Account Balance - Div.	4	1,029	
		Validated Calendar Year Paybacks - Div.	5	606	
		EOY Overrun Account Balance - Div.	6	1,328	
		Account Balance as Percent of Entitlement		15.5%	

Footnotes:

- 1/ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
- 2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 4/ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remainder of the IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE, AND CRWDA EXHIBIT C PAYBACK ¹
 CALENDAR YEAR 2007
 STATE OF CALIFORNIA

12/22/08		(ACRE-FEET)				
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftnts	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users				2007		
IMPERIAL IRRIGATION DISTRICT	IOPP Overruns by Water User	Calendar Year CU	2	2,872,754	2,866,396	2,866,396
		Calendar Year Overrun - CU	3	6,358		
		BOY Overrun Account Balance	4	8,957		
		Validated Calendar Year Paybacks	5	1,263		
		EOY Overrun Account Balance	6	14,052		
		Account Balance as Percent of Entitlement		0.5%		
FORT MOJAVE INDIAN RESERVATION - CA	IOPP Overruns by Water User	Calendar Year Diversion	2	21,323	16,720	16,720
		Calendar Year Overrun - Div.	3	4,603		
		Calendar Year Overrun - CU		2,476		
		BOY Overrun Account Balance - Div.	4	2,107		
		Validated Calendar Year Paybacks - Div.	5	0		
		EOY Overrun Account Balance - Div.	6	6,710		
		Account Balance as Percent of Entitlement		40.1%		
Payback of Exhibit C Obligations by Individual Water Users				2007		
IMPERIAL IRRIGATION DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	34,831	N/A	
		Calendar Year Paybacks	8	34,831		
		EOY Exhibit C Balance	9	0		
COACHELLA VALLEY WATER DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	18,144	N/A	
		Calendar Year Paybacks	8	7,404		
		EOY Exhibit C Balance	9	10,740		

Footnotes:

1/ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.

2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.

3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.

4/ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

5/ Paybacks to the Colorado River system made during the current year.

6/ The remainder of the IOPP overrun account balance as of the end of the accounting year.

7/ The Beginning of Year balance of CRWDA, Exhibit C payback obligation. This is equal to the prior year's End of Year balance.

8/ Paybacks of CRWDA, Exhibit C obligations made to the Colorado River system during the current year. The minimum payback schedule is tabulated in Exhibit C of the CRWDA.

9/ End of Year balance of CRWDA, Exhibit C payback obligation, determined by subtracting current year repayments from the Beginning of Year account balance.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2007
 STATE OF NEVADA

12/22/08		(ACRE-FEET)			
PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL ENTITLEMENT
IOPP Overruns by Individual Water Users				2007	
Southern Nevada Water Authority	IOPP Overruns by Water User	Calendar Year CU	2	300,312	300,000
		Calendar Year Overrun - CU	3	312	
		BOY Overrun Account Balance	4	0	
		Validated Calendar Year Paybacks	5	0	
		EOY Overrun Account Balance	6	312	
		Account Balance as Percent of Entitlement		0.1%	

Footnotes:

- 1/ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
- 2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 4/ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year.
- 6/ The remainder of the IOPP overrun account balance as of the end of the accounting year.

Exhibit C of the Colorado River Water Delivery Agreement

Exhibit C: Payback Schedule of Overruns for Calendar Years 2001 and 2002

<i>Year</i>	<i>IID</i>	<i>CVWD</i>	<i>MWD</i>	<i>Total</i>
2004	18,900	9,100	11,000	39,000
2005	18,900	9,100	11,000	39,000
2006	18,900	9,100	11,100	39,100
2007	18,900	9,100	11,100	39,100
2008	18,900	9,200	11,100	39,200
2009	18,900	9,200	11,100	39,200
2010	19,000	9,200	11,100	39,300
2011	19,000	9,200	11,100	39,300
Cumulative	151,400	73,200	88,600	313,200

Note: Each district may, at its own discretion, elect to accelerate paybacks to retire its payback obligation before the end of the eight-year period ending in calendar year 2011. Each district's payback obligation is subject to acceleration in anticipation of a shortage in the Lower Colorado River Basin as provided for in section 8(b).

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division states in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are, the interstate storage and release agreements, and the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback by users within the state of obligations under Exhibit C of the Colorado River Water Delivery Agreement or the IOPP, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2007.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
CALENDAR YEAR 2007

12/22/08

(ACRE-FEET)

STATE	ADJUSTMENTS	Ftnts	ACTUAL USE
ARIZONA	Basic Apportionment	2	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV	3	0
	Intentionally Created Unused Apportionment for MWD		(16,804)
	Payback Obligations	4	(340)
	Total Available Colorado River Water	5	2,782,856
	Total Consumptive Use	6	2,783,323
	State Underrun or (Overrun)	7	(467)
	Overruns by Individual AZ Users		508
	Net State Underrun or (Overrun)		41
CALIFORNIA	Basic Apportionment	2	4,400,000
	NV II(B)(6) Released to CA for Storage for NV	3	0
	Intentionally Created Unused Apportionment for MWD		16,804
	System Conservation Water		(7,000)
	Intentionally Created Surplus (MWD or IID)		(2,382)
	LCWSP Under pumping (Over pumping)	8	273
	Early Payback of 2006 Overruns		(1,263)
	Payback Obligations (Exhibit C)	4	(42,235)
	Total Available Colorado River Water	5	4,364,197
	Total Consumptive Use	6	4,370,695
	State Underrun or (Overrun)	7	(6,498)
	Overruns by Individual CA Users		8,834
	Recovery of Re-regulatory water		(2,356)
	Unauthorized Agricultural Use		20
Net State Underrun or (Overrun)		0	
NEVADA	Basic Apportionment	2	300,000
	NV II(B)(6) Available for Storage	3	0
	Payback Obligations	4	0
	Total Available Colorado River Water	5	300,000
	Total Consumptive Use	6	300,312
	State Underrun or (Overrun)	7	(312)
	Overruns by Individual NV Users		312
Net State Underrun or (Overrun)		0	
TOTAL LOWER BASIN UNUSED APPORTIONMENT			41

Footnotes:

- 1/ This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in Arizona v. California, payback obligations of individual water users, intentionally created unused apportionment or surplus, and system conservation.
- 2/ The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.
- 3/ Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona or California under the appropriate Storage and Interstate Release Agreement.
- 4/ The reduction in the amount of water available to the state due to repayment obligations under the CRWDA or the IOPP.
- 5/ The total amount of Colorado River water available for use in the state.
- 6/ The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
- 7/ The difference between the Colorado River water available to the state and the state's actual consumptive use.
- 8/ Differences between actual LCWSP wellfield pumping and use of Colorado River water by LCWSP contractors are allowed to be carried over in a given year. In a year when an outstanding LCWSP balance is consumed, LCWSP users are allowed to consumptively use an amount of water greater than the amount pumped by the LCWSP wellfield to offset a previous year(s) overpumpage.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their present or anticipated needs. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and taken by the Imperial Irrigation District (IID). IID will then forebear the taking of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles in annual amounts up to 3,500 acre-feet of the initial 8,000 acre-feet available. The contract with the City of Needles establishes a framework for the City of Needles to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) makes a recommendation as to whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City of Needles which then offers subcontracts.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of Project water under terms that the Secretary determines will benefit the interest of Project users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City of Needles and the Metropolitan Water District of Southern California (MWD), allowing Stage 1 of the Project to be pumped to its fullest capability, without jeopardizing the Project, to allow MWD to receive as much unused water as is available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the Project or its replacement. In 2007, the Project wells were pumped to capacity following execution of the contract and MWD utilized the water that was unused by the other Project beneficiaries.

LOWER COLORADO WATER SUPPLY PROJECT
 SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
 CALENDAR YEAR 2007

12/22/08		(ACRE-FEET)													
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LCWSP WELLFIELD PUMPAGE	1/	Total	0	0	85	517	533	738	700	670	644	731	667	704	5,989
LCWSP NON-FEDERAL CONTRACTORS	2/														
City of Needles (on its own behalf)		Diversions	42	39	48	49	109	69	74	60	61	60	48	37	696
		CU	23	23	30	33	71	47	49	41	40	39	30	18	444
Havasu Water Company of California		Diversions	2	3	3	3	4	5	5	5	4	3	3	2	42
		CU	1	2	2	2	2	3	3	3	2	2	2	1	25
Vista del Lago Resort (previously J. Victor Constuction)		Diversions	0	0	0	1	1	1	1	2	2	2	1	1	12
		CU	0	0	0	0	1	1	1	1	1	1	1	0	7
Pacific Gas & Electric Company		Diversions	13	17	23	25	30	37	40	39	30	25	18	18	315
		CU	5	7	9	10	11	14	15	15	10	9	7	7	119
Southern California Gas Company		Diversions	3	3	5	5	6	8	8	8	6	5	4	4	65
		CU	3	3	5	5	6	8	8	8	6	5	4	4	65
Needles Other Subcontractors		Diversions	7	8	12	12	15	18	20	19	15	13	10	9	158
		CU	4	5	7	7	9	11	12	12	9	8	6	5	95
TOTAL NON-FEDERAL USE	2/		36	40	53	57	100	84	88	80	68	64	50	35	755
BALANCE FROM PREVIOUS YEARS - CONSUMED	3/														178
PUMPAGE FOR NON-FEDERAL CONTRACTORS	4/														577
LCWSP FEDERAL CONTRACTORS															
BLM		Diversions	28	28	33	49	39	54	45	58	45	34	34	33	480
		Returns	6	6	7	13	10	13	12	14	11	8	9	9	118
		CU	22	22	26	36	29	41	33	44	34	26	25	24	362
TOTAL BLM USE	5/														122
BALANCE FROM PREVIOUS YEARS - CONSUMED	3/														240
WELLFIELD PUMPAGE FOR BLM	4/														
USBR - Parker Dam and Government Camp		Diversions	16	12	15	18	20	19	18	23	19	20	11	6	197
		Returns	2	2	2	2	10	10	10	10	10	2	1	2	63
		CU	14	10	13	16	10	9	8	13	9	18	10	4	134
TOTAL RECLAMATION USE	6/														-27
BALANCE FROM PREVIOUS YEARS - MADE UP	3/														161
WELLFIELD PUMPAGE FOR RECLAMATION	4/														
LCWSP WATER AVAILABLE TO MWD	7/														5,011

Footnotes:

- 1/ Non-Colorado River water pumped from the LCWSP wellfield and delivered into the AAC for use by IID. IID forebears the diversion of this amount from the Colorado River to make water available for exchange by the LCWSP beneficiaries.
- 2/ LCWSP non-Federal contractor (City of Needles) and subcontractors - Colorado River water use exchanged with LCWSP accrued balance and wellfield pumpage.
- 3/ LCWSP balance accrued by each of the project beneficiaries and consumed in 2007. Prior to 2007, pumpage from the wellfield was determined by the amount of water ordered by Project beneficiaries. From the start of the project IID has pumped more water from the wellfield (per orders by beneficiaries) than has been consumed from the Colorado River by Project beneficiaries. The difference between the amount pumped and the amount consumed created a balance of unused Project water. Remaining balances were consumed by the Non-Federal Project beneficiaries in 2007. The BLM was not able to consume all of their balance in 2007 and will carry some balance into 2008 and 2009. Reclamation had to make up water in 2007 due to a negative balance.
- 4/ The amount of LCWSP wellfield pumping exchanged for Colorado River water by the Project beneficiary in 2007.
- 5/ Portion of the LCWSP allocated to the BLM - Colorado River water use exchanged with LCWSP accrued balance and wellfield pumpage.
- 6/ Portion of the LCWSP allocated to the Bureau of Reclamation - Colorado River water use exchanged with LCWSP accrued balance and wellfield pumpage.
- 7/ This is the total amount of water pumped from the wellfield minus wellfield pumpage for each of the other Project beneficiaries.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division states has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events is depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2007.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use to the 2007 ISG Annual Target” demonstrates the impact of conservation and transfers on agricultural water use in California in 2007. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE TO THE 2007 ISG TARGET ¹
CALENDAR YEAR 2007

12/22/08

Uses by California Agricultural Entities	Ftns	Consumptive Uses Acre-Feet	Comments
Palo Verde Irrigation District		375,347	
Yuma Project Reservation Division		46,580	
Yuma Island Pumpers	2/	6,136	Yuma Island pumpers diversion was 11,096 af times 0.553 CU factor is 6,136 af of CU.
Priorities 1, 2, 3b		428,063	
CVWD		311,971	
IID		2,872,754	
Total California Agricultural Use		3,612,788	
MWD Adjustments for Priority 1, 2, and 3b use		(8,063)	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
IID CRWDA Exhibit C Payback	3/	34,831	
IID IOPP Payback		1,263	
CVWD CRWDA Exhibit C Payback	3/	7,404	
MWD-CVWD Exchange		0	
IID ICS		0	
IID and CVWD reductions for PPRs		14,500	IID = 11,500 af, CVWD = 3,000 af.
<u>Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs</u>		<u>3,662,723</u>	
ISG Target Comparison			
2007 Agricultural Target		3,603,000	See Column 23 of Exhibit B of the CRWDA
<u>Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs</u>		<u>3,662,723</u>	
Total Target Overrun		59,723	
Priority 1, 2, and 3b Use Below or (Above) 420,000 af			
Palo Verde Irrigation District		375,347	
Yuma Project Reservation Division		46,580	
Yuma Island Pumpers	2/	6,136	
Total Priority 1, 2, 3b Use		428,063	
MWD reduction for Priority 1, 2, and 3b water use		8,063	Per Section 4.d of the CRWDA, MWD use is reduced by Priority 1, 2, and 3b use greater than 420,000 af.
Priority 1, 2, and 3b water delivered to MWD		0	Per Section 4.d of the CRWDA, Priority 1, 2, and 3b use less than 420,000 af is delivered to MWD.

Footnotes:

1/ Part XI, Section 5, Record of Decision of the Colorado River Interim Surplus Guidelines FEIS contain the adopted Interim Surplus Guidelines (ISG). Section 5 of the ISG contains benchmarks for aggregate California agricultural water use during each third year. Exhibit B (attached) to the CRWDA, column 22 references these ISG Benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the ISG Benchmarks.

Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as all consumptive use of Priorities 1 through 3 plus 14,500 of PPR use, minus MWD adjustments for Priority 1 through 3 use above 420,000 af.

2/ Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; and is not an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

3/ Repayment of overrun amounts does not count as compliance with transfers set forth in Ex. B of the CRWDA, per section 8.a of the CRWDA.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2007
 STATE OF ARIZONA

12/22/08

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2007
 STATE OF CALIFORNIA

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	12/22/08	(ACRE-FEET)												
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER CONSERVATION PROGRAM IID/MWD CONSERVED WATER	1/													105,000
MWD REDUCTION FOR CVWD USE - IID CONSERVATION	2/	1,667	1,666	1,667	1,666	1,667	1,666	1,667	1,667	1,666	1,667	1,667	1,667	20,000
IID CONSERVATION FOR TRANSFER TO SDCWA	3/	2,620	6,004	8,693	13,504	16,266	2,913							50,000
IID CONSERVATION FOR TRANSFER TO SDCWA - MITIGATION	4/						10,515	13,629	877					25,021
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM	5/													65,310
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION	6/	2,321	2,320	2,321	2,320	2,321	2,321	2,321	2,321	2,321	2,321	2,321	2,321	27,850
COACHELLA CANAL LINING PROJECT - SDCWA	6/	1,792	1,791	1,792	1,791	1,792	1,791	1,792	1,792	1,792	1,792	1,791	3,417	23,125
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL WATER - MW	6/	375	375	375	375	375	375	375	375	375	375	375	375	4,500
COACHELLA CANAL LINING PROJECT - MITIGATION	6/	19	19	18	19	19	18	19	19	19	18	19	19	225

Notes: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B, shown on page 46 of this report.
 Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available on their own schedule.

Footnotes:

- 1/ 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement, made available by IID for diversion in current year by MWD, reported as an annual total.
- 2/ MWD reduction for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program for use by CVWD.
 This reduction occurs at CVWD'S request in accordance with the 1989 Approval Agreement as amended.
- 3/ The CRWDA specifies required conservation by IID for transfer to SDCWA. This amount is found in Column 5 of Exhibit B of the CRWDA.
- 4/ The water exchanged with SDCWA and delivered to the Salton Sea for mitigation purposes, made available through conservation actions within IID and the restoration of Re-regulatory water to the system.
 In addition, in 2007 IID delivered of 641 af of water that had not been diverted and delivered in 2004. Total deliveries in 2007 resulted in over delivery to the Sea in the amount of 21 af.
- 5/ Annual PVID reduction in consumptive use through land fallowing as reported in Table 8 of the report produced jointly by Reclamation, PVID, and MWD entitled, "Calendar Year 2007 Fallowed Land Verification Report: PVID/MWD Forbearance and Fallowing Program" less the 7,000 acre-feet provided to Reclamation for System Conservation.
 The value represents the estimated reduction in PVID consumptive use resulting from the fallowing of 14,734 acres of land for the months of January and February, 14,752 acres for the months of March through July, and 14,607 acres for the months of August through December, 2007.
- 6/ Water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008 (found in Significant Documents). Conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD IID, SDCWA, and the SLRSP, dated October 10, 2003 and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2007
 STATE OF NEVADA

12/22/08

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2007
 BUREAU OF RECLAMATION

	12/22/08	(ACRE-FEET)												
	Fints	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MWD/USBR AGREEMENT FOR SYSTEM CONSERVATION	1	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	0	0	0	7,000
CONSERVATION THROUGH DESALINATION	2	0	257	1,263	1,436	1,651	0	0	0	0	0	0	0	4,606

Footnotes:

- 1/ Reclamation entered into a system conservation agreement with MWD to conserve water within PVID.
 In 2007, 7,000 acre-feet of water created by the PVID/MWD Forbearance and Following Program remained in Lake Mead.
- 2/ Reclamation operated the Yuma Desalting Plant from February until May, 2007. During that period bypass water was pumped from the MODE and desalinated.
 The desalinated water was returned directly to the Colorado River upstream of Morelos Dam and made available to satisfy Mexico's Treaty delivery obligations.
 This action allowed an equal amount of water to remain in storage in Lake Mead.

**EXHIBIT B
QUANTIFICATION AND TRANSFERS¹**

In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	Calendar Year	Priority 1, 2 and 3b	IID Priority 3a										CVWD Priority 3a							Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	¹² ISG Benchmarks	¹² Annual Targets		
			Reductions										Reductions			Additions				CVWD Net Consumptive Use Amount (columns 14-17 plus columns 18 + 19)				
			³ IID Reduction: MWD 1988 Agreement Transfer	⁴ IID Reduction: AAC Lining IID, SDCWA & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁸ IID Reduction: MWD Transfer with Salton Sea Restoration	⁹ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs	¹⁰ IID Reductions: Total Amount (sum of columns 4 through 11)	¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD								
			IID Priority 3a Quantified Amount																					
1	2003	420	3,100	110	10	0	5	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740		
2	2004	420	3,100	110	20	0	10	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707		
3	2005	420	3,100	110	30	0	15	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674		
4	2006	420	3,100	110	40	0	20	0	0	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640		
5	2007	420	3,100	110	50	0	25	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603		
6	2008	420	3,100	110	50	67.7	25	4	20	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566		
7	2009	420	3,100	110	60	67.7	30	8	40	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530		
8	2010	420	3,100	110	70	67.7	35	12	60	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510		
9	2011	420	3,100	110	80	67.7	40	16	80	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490		
10	2012	420	3,100	110	90	67.7	45	21	100	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470		
11	2013	420	3,100	110	100	67.7	70	26	100	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462		
12	2014	420	3,100	110	100	67.7	90	31	100	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455		
13	2015	420	3,100	110	100	67.7	110	36	100	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448		
14	2016	420	3,100	110	100	67.7	130	41	100	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440		
15	2017	420	3,100	110	100	67.7	150	45	91	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3				
16	2018	420	3,100	110	130	67.7	0	63	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3				
17	2019	420	3,100	110	160	67.7	0	68	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3				
18	2020	420	3,100	110	193	67.7	0	73	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8				
19	2021	420	3,100	110	205	67.7	0	78	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3				
20	2022	420	3,100	110	203	67.7	0	83	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8				
21	2023	420	3,100	110	200	67.7	0	88	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3				
22	2024	420	3,100	110	200	67.7	0	93	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3				
23	2025	420	3,100	110	200	67.7	0	98	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3				
24	2026	420	3,100	110	200	67.7	0	103	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
25	2027	420	3,100	110	200	67.7	0	103	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
26	2028	420	3,100	110	200	67.7	0	103	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
	2029-2037 ¹⁴	420	3,100	110	200	67.7	0	103	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
	2038-2047 ¹⁴	420	3,100	110	200	67.7	0	103	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
	2048-2077 ¹⁴	420	3,100	110	200	67.7	0	100	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3				

- Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
- Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
- IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
- Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
- Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
- Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent.
- MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
- IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
- For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
- For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
- All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
- Assumes SDCWA does not elect termination in year 35.
- Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:

Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

WATER SUBJECT TO TEMPORARY RE-REGULATION CAPTURED AT THE REQUEST OF THE BUREAU OF RECLAMATION

Water from Colorado River system storage spilled or released for flood control purposes, or released to fill a water order but not then diverted by an entitlement holder, may flow to the NIB in excess of Treaty obligations with Mexico. Historically, this water has been subject to temporary re-regulation by Reclamation, for example, when it has been captured and held in Senator Wash Reservoir. Beginning in 1992, operation of Senator Wash Reservoir has been restricted due to dam safety concerns.

During certain times in 2004 and 2005, in response to heavy rainfall occurring in a watershed that is tributary to the lower Colorado River, Reclamation released water from Lake Havasu to protect the integrity of Parker Dam. Also, as a result of these rainstorms, Colorado River water ordered by entitlement holders and released from Hoover Dam was not diverted. In an effort to prevent a portion of these releases from being lost to beneficial use within the United States as excess flows to the NIB, and in light of the current storage capacity limitation at Senator Wash Reservoir, Reclamation sought to effect the temporary re-regulation of this water. This water could not otherwise have been stored by Reclamation works or taken by a water user under a Colorado River entitlement.

In 2004 and 2005, a portion of this water was captured and stored by water users at the specific request of Reclamation to permit the beneficial use of that water within the United States.

This temporarily re-regulated water, under the terms of the agreements entered into between Reclamation and the water users, was restored to Colorado River system storage in 2005, 2006 and 2007. All temporarily re-regulated water has been restored to system storage.

These water users' efforts in assisting Reclamation in the temporary re-regulation of water served to prevent that water from being lost to beneficial use in the United States. Reclamation recognized the water users' efforts as a form of extraordinary conservation and credited the water users with an amount equal to 25% of the quantity captured and stored at Reclamation's specific request. The water users were permitted to use these credits to satisfy specified payback obligations.

Description of Table

The tabulation titled "Water Subject to Temporary Re-Regulation" displays the amount of water captured for temporary re-regulation by a water user under a written agreement with Reclamation. It includes the amount of water restored to system storage, the amount of extraordinary conservation credits available to the water user, and the amount of credits used by the water user to meet specified payback obligations.

WATER SUBJECT TO TEMPORARY RE-REGULATION ¹
CALENDAR YEAR 2007

		12/22/2008														
		(ACRE-FEET)														
		Ftnts	BOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CALIFORNIA																
IMPERIAL IRRIGATION DISTRICT ²																
	CAPTURED FOR RE-REGULATION	3		0	0	0	0	0	0	0	0	0	0	0	0	0
	NET RE-REGULATORY CAPTURE	4		0	0	0	0	0	0	0	0	0	0	0	0	0
	BALANCE - PREVIOUS YEARS	5														2,356
	RESTORED TO SYSTEM STORAGE	6		0	0	0	0	0	2,356	0	0	0	0	0	0	2,356
	CAPTURE BALANCE	7	2,356	2,356	2,356	2,356	2,356	2,356	0	0	0	0	0	0	0	0
	ACCRUED CREDIT	8		0	0	0	0	0	0	0	0	0	0	0	0	0
	APPLIED TO PAYBACK OBLIGATION	9		0	0	0	0	0	0	0	0	0	0	0	0	0
	ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0
METROPOLITAN WATER DISTRICT ²																
	CAPTURED FOR RE-REGULATION	3		0	0	0	0	0	0	0	0	0	0	0	0	0
	NET RE-REGULATORY CAPTURE	4		0	0	0	0	0	0	0	0	0	0	0	0	0
	BALANCE - PREVIOUS YEARS	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RESTORED TO SYSTEM STORAGE	11		0	0	0	0	0	0	0	0	0	0	0	0	0
	CAPTURE BALANCE	7		0	0	0	0	0	0	0	0	0	0	0	0	0
	ACCRUED CREDIT	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPLIED TO PAYBACK OBLIGATION	9		0	0	0	0	0	0	0	0	0	0	0	0	0
	ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA TOTALS																
	CAPTURED FOR RE-REGULATION	3		0	0	0	0	0	0	0	0	0	0	0	0	0
	NET RE-REGULATORY CAPTURE	4		0	0	0	0	0	0	0	0	0	0	0	0	0
	BALANCE - PREVIOUS YEARS	5														2,356
	RESTORED TO SYSTEM STORAGE	6/11/		0	0	0	0	0	2,356	0	0	0	0	0	0	2,356
	CAPTURE BALANCE	7	2,356	2,356	2,356	2,356	2,356	2,356	0	0	0	0	0	0	0	0
	ACCRUED CREDIT	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPLIED TO PAYBACK OBLIGATION	9		0	0	0	0	0	0	0	0	0	0	0	0	0
	ACCRUED CREDIT BALANCE	10		0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

- 1/ The temporary re-regulation of river water, otherwise flowing to Mexico in excess of treaty requirements, may be effected at the request of Reclamation through the capture and temporary storage of this water.
- 2/ IID and MWD have entered into agreements for Temporary Re-regulation of Colorado River water. Under these agreements each re-regulating entity will effect temporary storage of Colorado River water released from system storage that would otherwise flow to Mexico in excess of Treaty obligations. Each entity will, in accordance with their respective agreements, return 100% of the water stored under this agreement back to the system during the year following publication of the Colorado River Accounting and Water Use Report which reflects Water Subject to Temporary Re-regulation stored in 2004 or 2005. The re-regulatory water captured and temporarily stored will not be accounted against the entity's entitlement or the State of California's apportionment during the year of capture, it will be accounted as a diversion and use during the year when it is restored to system storage.
- 3/ Total amount of water captured from the river during the calendar year to effect temporary re-regulation.
- 4/ The net amount of water captured from the river to effect temporary re-regulation of water.
- 5/ Balance of accumulated re-regulatory water in storage from previous years.
- 6/ The amount of re-regulatory water restored to system storage during the calendar year. This amount of water was conserved by IID and IID reduced its net diversions in accordance with the CRWDA, Exhibit B, column 7.
- 7/ Monthly cumulative net capture less re-regulatory water restored to system storage during the calendar year.
- 8/ IID and MWD engaged in extraordinary conservation by assisting Reclamation in the temporary re-regulation of Colorado River water that would otherwise be lost to beneficial use in the United States. Reclamation credited IID and MWD an amount equal to 25% of the re-regulated water captured. Each entity may apply these extraordinary conservation credits towards payback of CRWDA, Exhibit C obligations. This tabulation displays the monthly cumulative amount of extraordinary conservation credits accrued by the re-regulating entity.
- 9/ The amount of accrued extraordinary conservation credits applied toward the repayment of CRWDA, Exhibit C obligations during the calendar year.
- 10/ The monthly cumulative amount of accrued extraordinary conservation credits remaining at the end of the calendar year. Calculated as the BOY accrued credit balance less any extraordinary conservation credit used for payback during the calendar year.
- 11/ The amount of re-regulatory water temporarily stored in MWD's system and restored to system storage during the calendar year.

DEMONSTRATION PROGRAM FOR THE CREATION OF INTENTIONALLY CREATED SURPLUS WATER

In 2006, Reclamation entered into letter agreements with the Imperial Irrigation District and The Metropolitan Water District of Southern California to implement a demonstration program (Program) for the development of Intentionally Created Surplus Water (ICS). The Program covers the creation of ICS Water during calendar years 2006 and 2007. "ICS Water" in this Program refers to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona V. California*, 547 U.S. 150 (2006) (Consolidated Decree) as Intentionally Created Surplus. The Program requires the creation of ICS water through extraordinary conservation.

The following conditions apply to ICS Water:

- 5 percent of the ICS water created will be dedicated to system storage to provide a collective storage benefit for Colorado River users
- An annual evaporation loss of 2.8 percent will be applied to the remaining ICS water beginning the year after its creation; under flood control releases ICS water will be the first released and
- If the conserving entity incurs an overrun during a year when ICS water is to be created, the ICS creation will be reduced by the amount of the overrun, up to the amount of ICS proposed.

Copies of the agreements can be found in the Significant Documents section of the report.

Beginning in 2008, the creation and use of ICS water will be governed by the Record of Decision for the Colorado River Interim Guidelines for Lower Basin Shortage and the Coordinated Operations for Lake Powell and Lake Mead.

DEMONSTRATION PROGRAM FOR THE CREATION OF INTENTIONALLY CREATED SURPLUS (ICS) WATER ¹
 CALENDAR YEAR 2007

12/22/08

(ACRE-FEET)

PARTICIPATING ENTITY	ICS AGREEMENT REPORTING	FTNTS	AMOUNTS
IMPERIAL IRRIGATION DISTRICT	ICS Water Created	2	0
	Reduction Due to Overrun	3	0
	Amount Assessed for Benefit of Colorado River System (5%)	4	0
	Amount Assessed for Evaporation (2.8%)	5	0
	Amount of ICS Released for Flood Control Purposes	6	0
	End of Year ICS Account Balance	7	0
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	BOY Extraordinary Conservation ICS Balance		40,262
	ICS Water Created	2	2,382
	Reduction Due to Overrun	3	0
	Amount Assessed for Benefit of Colorado River System (5%)	4	119
	Amount Assessed for Evaporation (2.8%)	5	1,127
	Amount of ICS Released for Flood Control Purposes	6	0
	End of Year ICS Account Balance	7	41,398

Footnotes:

- 1/ In 2006, Reclamation entered into separate agreements with MWD and IID to implement a demonstration program to create Extraordinary Conservation Intentionally Created Surplus (ICS) during 2006 and 2007. The agreements define the terms that allow MWD and/or IID to store conserved water in Lake Mead and are available for review in the Significant Documents portion of this report.
- 2/ The amount of Extraordinary Conservation ICS Water created by the party to the agreement.
- 3/ In accordance with Section 3.C.7 of the Interim Guidelines for the Operation of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must pay the overrun payback obligation in full before requesting or receiving delivery of ICS. The contractor's ICS account shall be reduced by the amount of the overrun payback obligation in order to pay the overrun payback obligation.
- 4/ During the year of creation, five percent of the ICS Water created will be deducted to result in additional system water in storage in Lake Mead. This assessment does not apply in certain circumstances as specified in the Interim Guidelines for the Operation of Lake Powell and Lake Mead.
- 5/ Under the Demonstration Program, the balance of the ICS water shall be subject to an evaporation loss of 2.8 percent in the year following the creation of ICS water. This loss is applied annually to the end-of-year balance of the ICS.
- 6/ If Reclamation releases water for flood control purposes, ICS water will be the first to be released.
- 7/ The EOY balance of ICS water after the appropriate reductions have been applied.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2007

These documents are provided to give the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during 2007.

The compact disc (CD) located in the pocket on the back cover of this report contains the documents significant to the delivery of Colorado River water in 2007. These electronically filed documents are in searchable Acrobat[®] (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms on page one of this report. Anyone desiring additional water accounting information is encouraged to log on to the following website, where all previous water accounting reports can be viewed and the complete PDF file may be downloaded: www.usbr.gov/lc/region/g4000/wtracct.html.

DECISIONS:

Record of Decision

Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead

- CD file name: 2007 ROD Interim Guidelines-Shortages-Coordinated Operations

REPORTS:

2007 Annual Operating Plan (AOP) Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2007 given current and anticipated conditions

- CD file name: 2007 AOP Executive Summary

AGREEMENTS:

Demonstration Program to Create Intentionally Created Surplus Water

An agreement between MWD and Reclamation to create 50,000 acre-feet of Intentionally Created Surplus Water in 2007 through extraordinary conservation in PVID under its Forbearance and Fallowing Program Agreement with PVID and other measures.

- CD file name: MWD ICS Agreement

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2007 (cont.)**

Demonstration Program to Create Intentionally Created Surplus Water

An agreement between IID and Reclamation to create up to 5,000 acre-feet of Intentionally Created Surplus Water in 2007 through extraordinary conservation within IID.

- CD file name: IID ICS Agreement

Agreement to Implement a Demonstration Program for System Conservation of Colorado River Water

An agreement between Reclamation and MWD to conserve an additional 10,000 acre-feet of Colorado River water in 2006 and 2007 through voluntary supplemental fallowing above that already called for by MWD under its Forbearance and Fallowing Program Agreement with PVID.

- CD file name: 2007 BR-MWD System Conservation Agreement

The Colorado River Water Delivery Agreement: Federal Quantification Settlement Agreement

The water delivery agreement among the United States, IID, CVWD, MWD and SDCWA. This agreement quantifies the consumptive use allowances for the aforementioned water users. The agreement also addresses terms and conditions of water deliveries.

- CD file name: CRWDA 2003-10-20

The Inadvertent Overrun and Payback Policy

Terms and conditions for repaying inadvertent overruns of Colorado River water.

- CD file name: Inadvertent Overrun and Payback Policy

MWD – PVID Forbearance and Fallowing Program Agreement

Agreement between MWD and PVID that provides for the fallowing of irrigated lands within PVID. This agreement was executed August 18, 2004, fallowing began in January 2005.

- CD file name: 2004 MWD-PVID Forbearance and Fallowing Program Agreement

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2007 (cont.)**

The Storage and Interstate Release Agreement (SIRA)

This is a water banking agreement between AWBA, SNWA and the CRC of NV. This agreement allows SNWA to acquire long-term water storage credits that are to be held by AWBA. These credits can be exchanged in a later year for Colorado River water made available when users in Arizona develop ICUA.

- CD file name: Storage and Interstate Release Agreement

Letter Agreement – CAWCD/MWD

1992 Letter Agreement between CAWCD and MWD. This agreement provides for the establishment of an Interstate Underground Storage account to create and implement a demonstration project for the underground storage of Colorado River supplies.

- CD file name: 1992 CAWCD-MWD Agreement for IUS Water

Letter Agreement – CAWCD/MWD

An amended letter agreement between CAWCD and MWD signed December 11, 2007. This agreement amends the December 2006 recovery agreement among AWBA, CAWCD and MWD concerning the appropriate accounting storage of Colorado River consumptive use.

- CD file name: 2007 CAWCD-MWD Amended ICUA Letter Agreement

California Extraordinary Conservation ICS Agreement

An agreement for the creation and delivery of Extraordinary Conservation Intentionally Created Surplus water.

- CD file name: California Extraordinary Conservation ICS Agreement

ICS Delivery Agreement between Reclamation and IID

An agreement between Reclamation and IID that details the verification, delivery, and accounting of Intentionally Created Surplus water generated by IID.

- CD file name: IID ICS Delivery Agreement Between BR-IID

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2007 (cont.)**

ICS Delivery Agreement between Reclamation and MWD

An agreement between Reclamation and MWD that details the verification, delivery, and accounting of Intentionally Created Surplus water generated by MWD.

- CD file name: MWD ICS Delivery Agreement Between BR-MWD

ICS Delivery Agreement among Reclamation , SNWA, and CRCN

An agreement among Reclamation, SNWA, and CRCN that details the verification, delivery, and accounting of Intentionally Created Surplus water generated by SNWA.

- CD file name: SNWA ICS Delivery Agreement Between BR-SNWA-CRCN

Forbearance Agreement

An agreement among the Arizona Department of Water Resources, PVID, IID, the City of Needles, CVWD, MWD, SNWA, and CRCN to forbear any right to delivery of ICS released for use in another Lower Division state.

- CD file number: Lower Basin States Forbearance Agreement

Confluence Agreement

An agreement among Reclamation, IID, and SNWA for the advance funding and construction of a confluence structure as an integral component of the Drop 2 storage reservoir project.

- CD file name: Confluence Agreement Between BR-IID-SNWA

Funding Agreement

An agreement between Reclamation, SNWA, and CRC for the funding and construction of the lower Colorado River Drop 2 storage reservoir project.

- CD file name: Drop 2 Funding Agreement Between BR-SNWA-CRCN

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2007**

LETTERS:

Letters from CAWCD, PVID, IID, MWD, SNWA granting consent for the development of the Intentionally Created Surplus pilot programs developed by IID and MWD for 2006 and 2007.

- CD file name: 2006-2007 Consent for ICS Program

Letter from Reclamation to IID defining the terms for computation of the All American Canal system loss.

- CD file name: Terms for All American Canal Loss Computation 2007-12

Letter from MWD to CAWCD requesting recovery of Interstate Underground Storage Credits.

- CD file name: 2007 MWD IUSC Recovery Request of CAWCD 2006-09-28

Letter from AWBA to Reclamation regarding the request by MWD for Intentionally Created Unused Apportionment.

- CD file name: 2007 AWBA ICU Apportionment Recovery by MWD 2006-12-28

Letter from IID to Reclamation showing intent to create ICS water for 2007.

- CD file name: 2007 IID ICS 2006-09-15

Letter from Reclamation to CVWD verifying the amount of water conserved through extraordinary measures in 2007 to repay Exhibit C obligations of the CRWDA by CVWD.

- 2007 CVWD Inadvertent Overrun Payback 2008-06-20

Letter from Reclamation to Gila Monster Farms (GMF) verifying the amount of water conserved through extraordinary measures in 2007 to repay inadvertent overruns incurred in 2004 by GMF

- 2007 GMF Inadvertent Overrun Payback 2008-06-20

Letter from Reclamation to IID verifying the amount of water conserved through extraordinary measures in 2007 to repay inadvertent overruns for 2006 and Exhibit C obligations of the CRWDA by IID.

- 2007 IID Inadvertent Overrun Payback 2008-06-20

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND
ACCOUNTING FOR THE USE
OF COLORADO RIVER WATER IN CY 2007**

MAPS:

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations.

- CD file name: USGS Pump Maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2008



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2008

Prepared by

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

August 2009

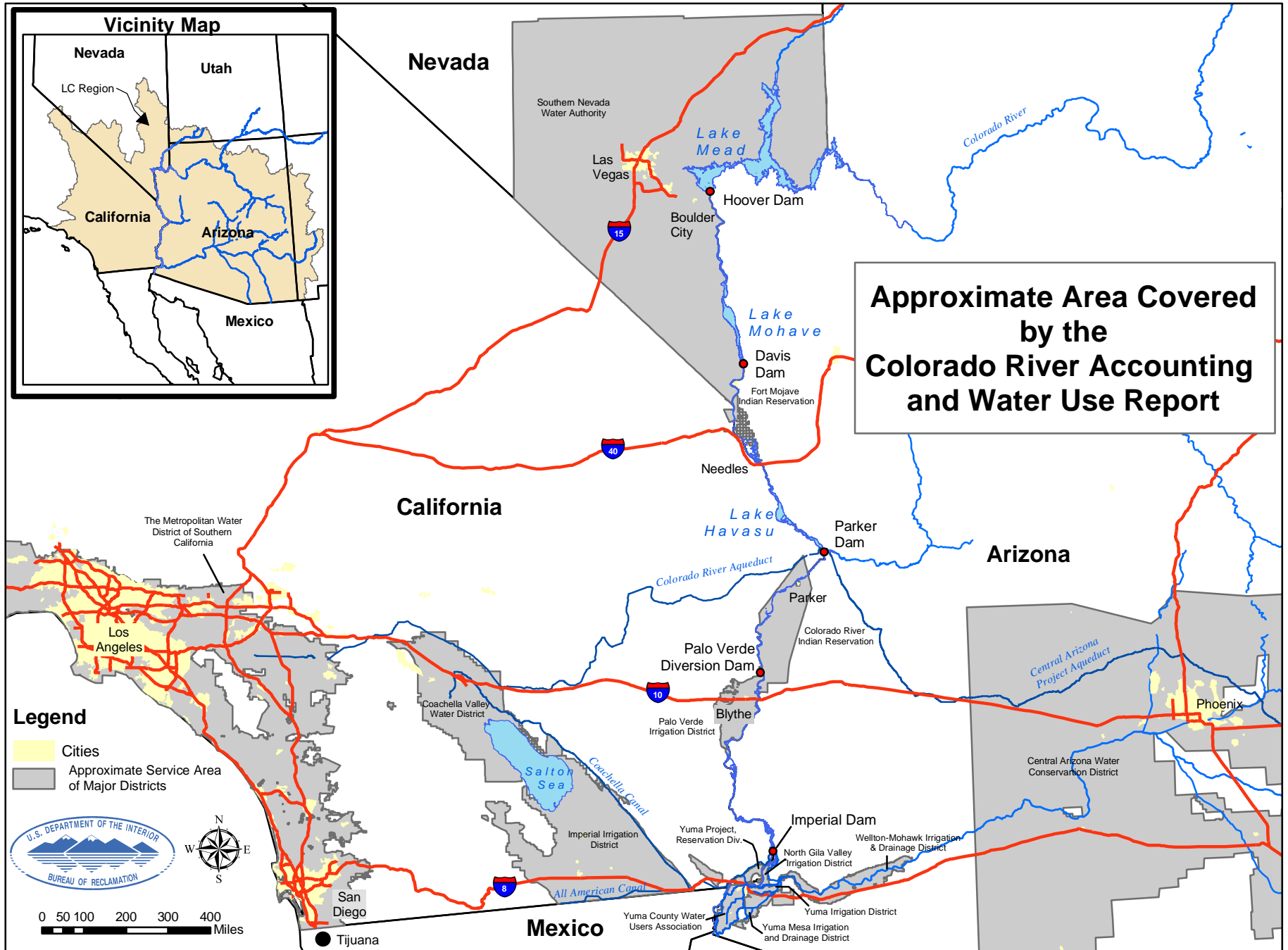


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Acronyms and Abbreviated Terms

These acronyms and abbreviations will be found in the text, footnotes, and headings within this document.

AAC	All-American Canal	Ftns	Footnotes
AACLPL	All-American Canal Lining Project	FYIR	Fort Yuma Indian Reservation
af	acre-feet	GGMC	Gila Gravity Main Canal
ADP	Arizona diesel pump	ICUA	intentionally created unused apportionment
ADW	Arizona diesel well	I.D.D.	irrigation and drainage district
AEP	Arizona electric pump	IBWC	International Boundary and Water Commission
AEW	Arizona electric well	ICS	Intentionally Created Surplus
ALTSC	accumulated long term storage credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOPP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	ISG	Colorado River Interim Surplus Guidelines
ASLD	Arizona State Land Department	IUS	Interstate Underground Storage credits
Assn.	Association	kaf	kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning of year	LLC	Limited Liability Company
BR	Bureau of Reclamation	LTD	Limited
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CCLP	Coachella Canal Lining Project	MWD	The Metropolitan Water District of Southern California
CDP	California diesel pump	MOD	Main Outlet Drain
CDW	California diesel well	MODE	Main Outlet Drain Extension
CDEW	California diesel electric well	MEAS	Measured
CEP	California electric pump	M&I	municipal and industrial
CEW	California electric well	NWR	National Wildlife Refuge
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CR	Colorado River	PG & E	Pacific Gas and Electric Company
CRBC	Colorado River Board of California	PVID	Palo Verde Irrigation District
CRCN	Colorado River Commission of Nevada	QSA	Quantification Settlement Agreement
CRIT	Colorado River Indian Tribes	Res	Reservation
CRWDA	Colorado River Water Delivery Agreement	SCE	Southern California Edison Company
CU	consumptive use	SIRA	Storage and Interstate Release Agreement
CVWD	Coachella Valley Water District	SDCWA	San Diego County Water Authority
CY	calendar year	SLRSP	San Luis Rey Settlement Parties
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	USGS	United States Geological Survey
Div	diversion	UNMEAS	unmeasured
DPOC	drainage pump outlet channel	YAO	Yuma Area Office (Reclamation)
ET	evapotranspiration	YFO	Yuma Field Office (BLM)
EOY	end of year	YID	Yuma Irrigation District
FEIS	Final Environmental Impact Statement	YMIDD	Yuma Mesa Irrigation and Drainage District

S U M M A R Y
 COLORADO RIVER ACCOUNTING AND WATER USE REPORT
 CALENDAR YEAR 2008

		8/1/09	(ACRE-FEET)													
		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY																
ARIZONA			200,464	222,592	301,055	326,468	315,358	256,945	226,770	190,897	198,679	229,746	215,344	68,179	2,752,497	
CALIFORNIA			213,982	286,047	416,618	504,906	506,188	475,709	500,197	444,101	373,128	344,176	252,512	181,247	4,498,810	
NEVADA			14,685	10,878	17,780	24,603	30,516	31,121	34,025	34,192	22,937	26,198	14,929	7,790	269,654	
TOTAL CONSUMPTIVE USE, LOWER DIVISION STATES			429,131	519,516	735,453	855,977	852,062	763,775	760,992	669,190	594,744	600,120	482,785	257,216	7,520,961	
TO MEXICO IN SATISFACTION OF TREATY	1/		119,428	154,380	204,112	198,669	110,741	115,575	119,428	93,370	89,307	73,739	102,966	118,285	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC			10,178	9,452	9,932	9,619	9,991	9,729	7,427	6,927	10,128	10,370	10,607	11,074	115,434	
TO MEXICO IN EXCESS OF TREATY			12,366	168	592	3,261	2,575	10	2,224	15,215	9,869	9,950	14,604	20,545	91,379	
TOTAL CU, LOWER DIVISION STATES AND DELIVERIES TO MEXICO	2/		571,103	683,516	950,089	1,067,526	975,369	889,089	890,071	784,702	704,048	694,179	610,962	407,120	9,227,774	
LCWSP WELLFIELD PUMPING SUMMARY	3/	NON-FEDERAL	721	626	672	523	280	514	570	684	707	700	564	499	7,060	
	3/	FEDERAL	30	26	28	22	11	21	23	28	29	29	23	20	290	
		TOTAL	751	652	700	545	291	535	593	712	736	729	587	519	7,350	
RESERVOIR CONTENTS SUMMARY (Thousand Acre-Feet)																
LOWER BASIN TOTAL STORAGE	4/	DEC 2007	14,982	15,235	15,206	15,109	14,679	14,453	14,242	14,134	14,191	14,182	14,210	14,223	14,639	-343
LOWER BASIN STORAGE PLUS LAKE POWELL	5/		26,227	26,115	26,087	25,909	25,873	27,265	29,213	29,325	28,994	28,691	28,382	28,187	28,179	1,952
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL			49.8%	49.6%	49.6%	49.2%	49.2%	51.8%	55.5%	55.7%	55.1%	54.5%	53.9%	53.6%	53.5%	
OFFSTREAM INTERSTATE STORAGE SUMMARY																
			BOY Balance	2008 Storage		2008 Recovered		EOY Balance								
WATER STORED IN AZ FOR THE BENEFIT OF NV & CA	6/	NEVADA	527,520	0		0		527,520								
	6/	CALIFORNIA	64,105	0		28,442		35,663								
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV	7/	NEVADA	25,000	45,000		0		70,000								

Note: Each section of this report and each sub-section within a section, has an independant sequence of footnotes.

Footnotes:

- 1/ Deliveries to Mexico to satisfy treaty obligations.
- 2/ Sum of Total Consumptive Use in the Lower Division States, Deliveries to Mexico in Satisfaction of Treaty, Water Bypassed Pursuant to Minute No. 242 of the IBWC and water passing to Mexico in excess of treaty obligations.
- 3/ Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.
- 4/ Sum of end-of-month storage in Lower Basin Lakes Mead, Mohave, and Havasu.
- 5/ Sum of end-of-month storage in Upper Basin Lake Powell and Lower Basin Lakes Mead, Mohave, and Havasu.
- 6/ Final verified total of Long-Term Storage Credits as reported by the Arizona Water Banking Authority.
- 7/ In 2004 MWD, SNWA and the Secretary of the Interior entered into a Storage and Interstate Release Agreement to allow MWD to divert and store water for the benefit of SNWA.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2008

	08/01/09	(THOUSAND ACRE-FEET)												CY CHANGE	
	Ftnts	DEC 2007	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
END OF MONTH ACTIVE CONTENTS:															
LAKE POWELL		11,246	10,880	10,880	10,800	11,195	12,812	14,971	15,192	14,803	14,509	14,172	13,966	13,541	2,295
PERCENTAGE OF POWELL ACTIVE STORAGE	3/	46.2%	44.7%	44.7%	44.4%	46.0%	52.7%	61.6%	62.5%	60.9%	59.7%	58.3%	57.4%	55.7%	
LAKE MEAD		12,860	13,017	13,062	12,940	12,463	12,132	11,941	11,890	11,955	12,013	12,213	12,157	12,496	-364
LAKE MOHAVE		1,565	1,663	1,593	1,618	1,650	1,725	1,709	1,666	1,646	1,585	1,444	1,494	1,585	20
LAKE HAVASU		557	555	551	551	566	596	592	577	590	584	553	571	558	1
STORAGE IN LOWER BASIN	4/	14,982	15,235	15,206	15,109	14,679	14,453	14,242	14,134	14,191	14,182	14,210	14,223	14,639	-343
PERCENTAGE OF CR ACTIVE STORAGE IN THE LOWER BASIN	5/	52.9%	53.8%	53.7%	53.4%	51.9%	51.1%	50.3%	49.9%	50.1%	50.1%	50.2%	50.2%	51.7%	
LOWER BASIN STORAGE PLUS LAKE POWELL	6/	26,227	26,115	26,087	25,909	25,873	27,265	29,213	29,325	28,994	28,691	28,382	28,187	28,179	1,952
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL	7/	49.8%	49.6%	49.6%	49.2%	49.2%	51.8%	55.5%	55.7%	55.1%	54.5%	53.9%	53.6%	53.5%	
TOTAL SYSTEM STORAGE	8/	31,589	31,369	31,176	30,933	30,926	32,503	34,720	34,979	34,524	34,065	33,660	33,423	33,325	1,736
PERCENTAGE OF TOTAL SYSTEM STORAGE	9/	53.2%	52.8%	52.5%	52.1%	52.1%	54.7%	58.5%	58.9%	58.1%	57.4%	56.7%	56.3%	56.1%	

Note: For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

Footnotes:

1/ Values may differ from figures shown due to rounding and being displayed to the nearest thousand acre-feet.

2/ CY change is the difference in end-of-month storage between December of the previous year and December of the reporting year.

A positive value represents an increase in water in storage, and a negative value indicates a decrease in water in storage.

3/ Percentage of total active storage capacity available in Lake Powell. Based on total active storage of 24,322,000 af.

4/ The sum of end-of-month storage in Lakes Mead, Mohave, and Havasu.

5/ The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on active storage of 28,306,000 af.

6/ The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).

7/ The percentage of available total active storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on total active storage of 52,628,000 af.

8/ Total end-of-month system storage, includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River.

9/ The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total active system storage of 59,383,000 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulation for calendar year 2008 shows the final records for release of water through regulatory structures controlled by the United States. Releases from Glen Canyon and Hoover Dams are measured and reported by Reclamation. The Davis, Parker, Palo Verde, Imperial, and Laguna Dams records of release are furnished by the USGS and are based upon measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversions for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

CALENDAR YEAR 2008

STRUCTURE	08/01/09	(ACRE-FEET)												TOTAL
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GLEN CANYON DAM		800,644	602,286	830,227	678,427	790,191	791,309	865,320	889,590	723,342	748,639	602,952	800,571	9,123,498
HOOVER DAM		672,106	658,790	1,024,602	1,159,011	1,112,844	948,887	876,099	804,350	651,947	508,355	674,912	453,437	9,545,340
DAVIS DAM		559,300	739,600	1,016,000	1,164,000	1,054,000	988,600	957,800	859,500	730,500	686,500	669,700	396,300	9,821,800
PARKER DAM		298,200	473,500	748,900	850,500	697,200	711,500	751,800	659,200	539,800	463,900	387,000	266,200	6,847,700
HEADGATE ROCK DAM	1/	280,020	435,490	687,710	782,090	633,600	639,660	671,430	583,790	479,760	420,130	356,800	245,650	6,216,130
PALO VERDE DIVERSION DAM		266,500	361,400	583,300	693,600	518,900	500,200	561,800	473,200	378,900	364,300	326,500	199,900	5,228,500
IMPERIAL DAM	2/	45,390	23,360	28,250	25,900	32,390	23,060	37,070	68,440	40,360	30,140	38,470	43,820	436,650
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		463	474	736	815	841	768	906	732	649	726	531	276	7,917
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		45,853	23,834	28,986	26,715	33,231	23,828	37,976	69,172	41,009	30,866	39,001	44,096	444,567
LAGUNA DAM		43,270	25,760	28,560	25,620	31,720	24,000	33,020	60,790	42,900	33,390	35,090	44,280	428,400

Note: All data is supplied by the USGS with the exception of the releases from Glen Canyon Dam and Hoover Dam, which are provided by Reclamation.

Footnotes:

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

2/ Represents flow below Imperial Dam alone, does not include diversions through the All-American Canal and the Gila Gravity Main Canal.

RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)

The following tabulations for calendar year 2008 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished by the U.S. Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam, were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each state. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream, and consumptive use are listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For USGS reported wells and pumps, the diversions are assumed to be equal to six acre-feet per irrigated acre of land per year.

Unmeasured returns are computed by multiplying a user's diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice an error or omission, please report it to the contact person listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF ARIZONA

WATER USER	8/1/09 Fmts	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LAKE MEAD NATIONAL RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	3	2	4	8	9	12	25	18	13	9	5	5	113
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	3	2	4	8	9	12	25	18	13	9	5	5	113
LAKE MEAD NATIONAL RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION	14	13	13	16	16	19	18	18	15	15	14	11	182
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	14	13	13	16	16	19	18	18	15	15	14	11	182
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	3	1	5	20	6	2	2	2	2	2	2	1	48
	MEAS. RETURNS	3	1	4	19	6	2	2	2	2	2	2	1	46
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	1	1	0	0	0	0	0	0	0	0	2
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	688	658	740	845	954	970	1,131	991	925	999	757	632	10,290
MOHAVE CO. PARKS DIVERSION AT DAVIS DAM	DIVERSION	5	6	8	7	10	11	13	11	10	8	9	5	103
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	229	219	247	281	318	324	378	331	309	332	253	210	3,431
	CONSUMPTIVE USE	464	445	501	571	646	657	766	671	626	675	513	427	6,962
MOHAVE WATER CONSERVATION DISTRICT PUMPED FROM WELLS	DIVERSION	64	59	62	76	77	78	113	92	92	89	67	72	941
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	21	19	20	25	25	26	37	30	30	29	22	24	308
	CONSUMPTIVE USE	43	40	42	51	52	52	76	62	62	60	45	48	633
BROOKE WATER LLC PUMPED FROM RIVER	DIVERSION	29	26	31	32	38	42	48	41	35	34	30	24	410
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	10	9	10	10	12	14	16	13	12	11	10	8	135
	CONSUMPTIVE USE	19	17	21	22	26	28	32	28	23	23	20	16	275
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS	DIVERSION	966	2,381	4,020	4,399	4,136	5,014	3,531	3,160	4,217	2,081	1,868	1,315	37,088
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	444	1,095	1,849	2,024	1,903	2,306	1,624	1,454	1,940	957	859	605	17,060
	CONSUMPTIVE USE	522	1,286	2,171	2,375	2,233	2,708	1,907	1,706	2,277	1,124	1,009	710	20,028
FORT MOJAVE INDIAN RESERVATION PUMPED FROM RIVER	DIVERSION	2/ 1,268	4,799	5,024	4,999	7,528	11,299	11,350	8,479	4,932	4,064	2,731	791	67,264
PUMPED FROM TOPOCK MARSH INLET CANAL	DIVERSION	0	47	198	529	520	320	168	195	169	0	0	0	2,146
DELIVERED BY CITY OF NEEDLES	DIVERSION	0	0	7	16	6	5	10	1	0	5	0	0	50
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	583	2,208	2,311	2,300	3,463	5,198	5,221	3,900	2,269	1,869	1,256	364	30,942
	CONSUMPTIVE USE	685	2,638	2,918	3,244	4,591	6,426	6,307	4,775	2,832	2,200	1,475	427	38,518
GOLDEN SHORES WATER CONSERVATION DISTRICT PUMPED FROM WELLS	DIVERSION	3/ 19	23	32	34	42	51	55	53	42	35	25	24	435
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	6	8	11	11	14	17	18	17	14	12	8	8	144
	CONSUMPTIVE USE	13	15	21	23	28	34	37	36	28	23	17	16	291
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK MARSH INLET	DIVERSION	4/ 0	718	5,059	7,119	5,330	5,006	3,885	3,017	1,726	679	569	0	33,108
FARM DITCH	DIVERSION	0	175	1,198	1,313	859	780	642	443	186	0	0	0	5,596
WELL	DIVERSION	3/ 10	11	15	17	20	25	27	26	20	17	12	12	212
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	9	796	5,519	7,435	5,464	5,114	4,008	3,068	1,700	612	511	11	34,247
	CONSUMPTIVE USE	1	108	753	1,014	745	697	546	418	232	84	70	1	4,669

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF ARIZONA

8/1/09		(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE HAVASU CITY PUMPED FROM WELLS														
	DIVERSION	1,105	1,030	1,211	1,348	1,500	1,643	1,926	1,815	1,605	1,563	1,175	1,052	16,973
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	420	391	460	512	570	624	732	690	610	594	447	400	6,450
	CONSUMPTIVE USE	685	639	751	836	930	1,019	1,194	1,125	995	969	728	652	10,523
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU														
	DIVERSION	166,725	157,301	167,973	165,730	172,183	126,311	78,041	65,373	93,513	135,834	167,966	64,769	1,561,719
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	166,725	157,301	167,973	165,730	172,183	126,311	78,041	65,373	93,513	135,834	167,966	64,769	1,561,719
TOWN OF PARKER PUMPED FROM RIVER WELL IN FLOOD PLAIN														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	5/ DIVERSION	44	42	58	70	76	83	87	85	79	76	63	46	809
	MEAS. RETURNS	25	24	25	23	25	24	25	26	24	24	22	23	290
	UNMEAS. RETURNS	13	12	17	20	22	24	25	24	23	22	18	13	233
	CONSUMPTIVE USE	6	6	16	27	29	35	37	35	32	30	23	10	286
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 PUMPS AND MUNICIPAL														
	DIVERSION	18,180	38,010	61,190	68,410	63,600	71,840	80,370	75,410	60,040	43,770	30,200	20,550	631,570
	6/ DIVERSION	520	620	845	930	1,117	1,335	1,448	1,396	1,124	962	702	658	11,657
	MEAS. RETURNS	13,324	13,496	16,357	18,574	19,727	18,268	18,717	20,336	20,021	19,830	17,527	14,748	210,925
	UNMEAS. RETURNS	1,029	2,125	3,412	3,814	3,559	4,025	4,500	4,224	3,364	2,460	1,700	1,166	35,378
	CONSUMPTIVE USE	4,347	23,009	42,266	46,952	41,431	50,882	58,601	52,246	37,779	22,442	11,675	5,294	396,924
EHRENBURG IMPROVEMENT ASSOCIATION ONE RIVER PUMP														
	DIVERSION	27	24	31	34	38	43	44	45	42	37	35	28	428
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	8	7	9	10	11	12	13	13	12	11	10	8	124
	CONSUMPTIVE USE	19	17	22	24	27	31	31	32	30	26	25	20	304
CIBOLA VALLEY CIBOLA VALLEY I.D.D.														
	DIVERSION	514	616	1,286	1,173	1,342	1,080	1,272	1,074	840	827	386	456	10,866
MOHAVE COUNTY WATER AUTHORITY														
	DIVERSION	183	228	311	336	411	499	544	524	412	345	245	240	4,278
HOPI TRIBE														
	DIVERSION	202	378	379	210	673	527	824	675	604	239	177	139	5,027
ARIZONA RECREATIONAL FACILITIES														
	DIVERSION	58	87	63	170	382	376	372	302	368	252	114	155	2,699
ARIZONA GAME AND FISH COMMISSION														
	DIVERSION	155	191	261	282	345	418	456	439	345	289	205	202	3,588
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	317	428	655	619	898	826	989	859	732	556	321	340	7,540
	CONSUMPTIVE USE	795	1,073	1,645	1,552	2,254	2,074	2,480	2,155	1,837	1,396	806	852	18,918
CIBOLA NATIONAL WILDLIFE REFUGE 3 PUMPS														
	DIVERSION	631	1,215	1,199	1,425	1,833	1,635	1,634	1,522	1,959	2,020	957	784	16,814
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	240	462	456	542	697	621	621	578	744	768	364	298	6,391
	CONSUMPTIVE USE	391	753	743	883	1,136	1,014	1,013	944	1,215	1,252	593	486	10,423
IMPERIAL NATIONAL WILDLIFE REFUGE 4 PUMPS														
	DIVERSION	90	251	201	153	102	344	224	261	74	161	54	8	1,923
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	34	95	76	58	39	131	85	99	28	61	21	3	730
	CONSUMPTIVE USE	56	156	125	95	63	213	139	162	46	100	33	5	1,193
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS W, X, Y, Z														
	DIVERSION	0	0	0	0	0	0	1	1	0	1	0	2	5
	DIVERSION	37	37	26	35	78	84	87	84	84	26	28	44	650
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	37	37	26	35	78	84	88	85	84	27	28	46	655
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM														
	DIVERSION	516	449	977	1,009	851	376	429	466	562	921	606	90	7,252
	MEAS. RETURNS	20	34	53	25	20	16	20	40	29	24	35	24	340
	UNMEAS. RETURNS	196	171	371	383	323	143	163	177	214	350	230	34	2,755
	CONSUMPTIVE USE	300	244	553	601	508	217	246	249	319	547	341	32	4,157
*Use from ASLD lease has been deducted.														

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF ARIZONA

		8/1/09	(ACRE-FEET)											
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
WELLTON MOHAWK I.D.D.														
DIVERSION AT IMPERIAL DAM														
	DIVERSION	21,908	22,706	43,708	47,435	45,249	39,717	41,740	40,540	36,057	33,597	20,839	8,480	401,976
	GGMC RETURN	702	1,444	1,979	1,001	873	1,439	1,617	2,897	1,562	750	1,003	1,852	17,119
	DOME RETURN	728	554	648	543	394	214	102	329	403	408	491	1,036	5,850
	7/ MOD RETURN	10,790	9,600	9,290	9,450	9,680	9,560	9,640	10,310	9,960	9,990	10,670	11,250	120,190
	TOTAL MEAS. RETURNS	12,220	11,598	11,917	10,994	10,947	11,213	11,359	13,536	11,925	11,148	12,164	14,138	143,159
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	9,688	11,108	31,791	36,441	34,302	28,504	30,381	27,004	24,132	22,449	8,675	-5,658	258,817
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1,663	1,586	1,779	1,700	2,035	2,606	2,666	2,551	2,226	2,187	1,982	1,880	24,861
DIVERSION AT IMPERIAL DAM (GGMC)	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERSIONS FOR YUMA EAST WETLANDS	DIVERSION	196	236	192	220	216	244	252	242	244	252	97	0	2,391
	MEAS. RETURNS	821	758	799	743	708	708	730	824	791	828	827	730	9,267
	UNMEAS. RETURNS	171	206	168	193	189	213	220	212	213	220	85	0	2,090
	CONSUMPTIVE USE	867	858	1,004	984	1,354	1,929	1,968	1,757	1,466	1,391	1,167	1,150	15,895
MARINE CORPS AIR STATION YUMA														
DIVERSION AT IMPERIAL DAM	DIVERSION	79	85	101	116	138	194	167	191	161	122	104	71	1,529
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	79	85	101	116	138	194	167	191	161	122	104	71	1,529
UNION PACIFIC RAILROAD COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	2	2	2	2	2	2	2	2	2	2	2	2	24
	CONSUMPTIVE USE	2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	53	8	49	26	57	61	55	66	102	67	62	5	611
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	53	8	49	26	57	61	55	66	102	67	62	5	611
YUMA UNION HIGH SCHOOL														
DIVERSION AT IMPERIAL DAM	DIVERSION	27	15	27	35	50	39	65	43	46	31	29	23	430
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	7	4	7	9	13	10	16	11	12	8	7	6	110
	CONSUMPTIVE USE	20	11	20	26	37	29	49	32	34	23	22	17	320
CAMILLE ALEC JR.														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	0	1	0	10	0	13	11	2	0	4	0	42
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	3	0	4	3	1	0	1	0	12
	CONSUMPTIVE USE	1	0	1	0	7	0	9	8	1	0	3	0	30
NORTH GILA VALLEY I.D.D.														
DIVERSION AT IMPERIAL DAM	8/ DIVERSION	2,595	3,091	5,314	6,052	5,602	4,042	4,291	3,242	3,802	4,918	3,667	1,301	47,917
	MEAS. RETURNS	1,871	1,920	2,695	2,905	2,677	2,079	2,197	1,964	2,198	2,980	2,586	1,304	27,376
	UNMEAS. RETURNS	356	423	728	829	767	554	588	444	521	674	502	178	6,564
	CONSUMPTIVE USE	368	748	1,891	2,318	2,158	1,409	1,506	834	1,083	1,264	579	-181	13,977

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF ARIZONA

8/1/09		(ACRE-FEET)													
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
YUMA IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	8/10/	DIVERSION	3,319	4,919	7,166	8,631	7,957	6,244	6,759	5,515	5,789	6,464	4,711	1,839	69,313
PUMPED FROM PRIVATE WELLS	9/	DIVERSION	11	21	165	188	172	27	307	74	254	253	48	29	1,549
		MEAS. RETURNS	811	1,292	1,669	1,620	1,565	1,422	1,589	1,530	1,371	1,434	1,220	919	16,442
		UNMEAS. RETURNS	709	1,052	1,562	1,878	1,731	1,336	1,505	1,190	1,287	1,431	1,014	398	15,093
		CONSUMPTIVE USE	1,810	2,596	4,100	5,321	4,833	3,513	3,972	2,869	3,385	3,852	2,525	551	39,327
YUMA MESA I. D. D.															
DIVERSION AT IMPERIAL DAM	8/	DIVERSION	8,290	10,643	14,346	17,545	20,390	23,750	26,191	22,624	18,258	14,893	9,507	5,054	191,491
		MEAS. RETURNS	7,544	8,344	6,870	3,569	8,170	10,188	10,354	9,975	7,198	8,942	8,297	7,268	96,719
		UNMEAS. RETURNS	1,326	1,703	2,295	2,807	3,262	3,800	4,191	3,620	2,921	2,383	1,521	809	30,638
		CONSUMPTIVE USE	-580	596	5,181	11,169	8,958	9,762	11,646	9,029	8,139	3,568	-311	-3,023	64,134
UNIT B I. D. D.															
DIVERSION AT IMPERIAL DAM		DIVERSION	1,276	1,374	1,913	2,505	2,605	2,841	3,668	3,139	2,429	2,172	1,623	1,262	26,807
		MEAS. RETURNS	1,323	1,429	1,174	613	1,416	1,732	1,777	1,679	1,224	1,564	1,461	1,385	16,777
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	-47	-55	739	1,892	1,189	1,109	1,891	1,460	1,205	608	162	-123	10,030
FORT YUMA INDIAN RESERVATION															
DIVERSION FOR YUMA EAST WETLAND		DIVERSION	45	54	44	51	50	55	57	55	57	22	0	0	545
RANCH "5" LANDS, YUMA ISLAND, AZ (180 ac)		DIVERSION	50	87	139	147	82	35	6	0	0	0	0	0	546
DOMESTIC		DIVERSION	3	2	3	2	3	3	4	2	2	2	2	2	30
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	59	78	89	96	74	61	54	49	49	51	20	1	681
		CONSUMPTIVE USE	39	65	97	104	61	32	13	8	8	8	4	1	440
YUMA COUNTY WATER USERS' ASSOCIATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	19,080	24,757	41,047	50,114	41,115	20,999	26,584	21,031	22,355	39,878	27,712	11,048	345,720
PUMPED FROM WELLS		DIVERSION	0	0	0	0	191	133	117	32	17	137	121	112	860
		MEAS. RETURNS	6,597	6,687	6,543	6,862	7,353	5,146	5,348	5,142	6,559	11,337	11,557	10,455	89,586
		UNMEAS. RETURNS	401	520	862	1,052	867	444	561	442	470	840	584	234	7,277
		CONSUMPTIVE USE	12,082	17,550	33,642	42,200	33,086	15,542	20,792	15,479	15,343	27,838	15,692	471	249,717
COCOPA INDIAN RESERVATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	30	186	281	159	208	213	536	97	0	141	73	113	2,037
PUMPED FROM WELLS	11/	DIVERSION	121	152	207	223	274	332	364	348	273	229	163	161	2,847
		MEAS. RETURNS	1	2	2	3	2	3	9	4	0	6	3	7	42
		UNMEAS. RETURNS	41	52	70	76	93	113	124	118	93	78	55	55	968
		CONSUMPTIVE USE	109	284	416	303	387	429	767	323	180	286	178	212	3,874
RECLAMATION, YUMA AREA OFFICE															
Yuma Mesa Conduit and Cooper Lateral		DIVERSION	4	5	96	99	107	106	111	105	98	99	42	0	872
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	4	5	96	99	107	106	111	105	98	99	42	0	872
PUMPED FROM SOUTH GILA WELLS (DPOC'S)															
	12/	MEAS. RETURNS	0	5,708	6,562	6,212	5,984	6,078	8,307	5,916	5,458	5,747	3,324	148	57,444
		UNMEAS. RETURNS	0	-5,708	-6,562	-6,212	-5,984	-6,078	-6,307	-5,916	-5,458	-5,747	-3,324	-148	-57,444
		RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO															
RIVER AND WELLS IN FLOOD PLAIN DAVIS	13/	DIVERSION	1,300	1,435	2,092	2,164	2,611	2,786	2,858	2,451	2,127	2,050	1,616	1,318	24,808
DAM TO INTERNATIONAL BOUNDARY		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	455	503	732	757	914	975	1,001	859	744	717	565	461	8,683
		CONSUMPTIVE USE	845	932	1,360	1,407	1,697	1,811	1,857	1,592	1,383	1,333	1,051	857	16,125
ARIZONA TOTALS															
		DIVERSION	252,110	280,765	371,101	398,161	393,207	334,659	305,593	268,382	268,335	302,913	281,431	124,817	3,581,474
		MEAS. RETURNS	44,560	51,293	54,670	52,162	58,600	56,879	58,434	60,974	56,800	63,866	59,025	51,150	668,413
		UNMEAS. RETURNS	7,086	6,880	15,376	19,531	19,249	20,835	20,389	16,511	12,856	9,301	7,062	5,488	160,564
		CONSUMPTIVE USE	200,464	222,592	301,055	326,468	315,358	256,945	226,770	190,897	198,679	229,746	215,344	68,179	2,752,497

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF ARIZONA

8/1/09

(ACRE-FEET)

WATER USER	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
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Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversion amounts include deliveries to the Fort Mojave Tribe from the City of Needles CA.
- 3/ Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 4/ Havasu NWR diversion amounts have been adjusted downward for diversions out of the Topock Marsh inlet canal by Mohave Valley Irrigation and Drainage District and Fort Mojave Indian Reservation.
- 5/ The Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- 6/ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- 7/ Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

8/ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation and Drainage District, the Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District is as follows:

Item		Annual Totals (Acre-Feet)
Diversion at Imperial Dam	A/	308,721
Pumped from wells		1,549
Surface returns from South Gila Valley (S.Gila Canal Wasteway)		2,781
Return flow North Gila Valley (6 drains & wasteways)		7,980
Total Yuma Mesa Division Unmeasured Returns		52,295
Return flow Yuma Mesa Outlet Drain	B/	37,859
Return flow protective and regulatory pumping unit	C/	47,420
Estimated unmeasured groundwater return flow	D/	27,912
Return flow share of Gila Gravity Main Canal loss	E/	16,585
Subtotal return flow		192,832
Consumptive Use (see note above)		117,438

- (A) Total surface diversion for the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District.
- (B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to Unit B.
- (C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to Unit B.
- (D) Estimated at 38 percent of the North Gila Valley I.D.D diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
- (E) Diversion times mileage weighted share of Gila Gravity Main Canal loss, less canal surface evaporation (1,397 af/yr), and phreatophytes (2,154 af/yr).

- 9/ Diversion and return values include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation; others are pumped to control groundwater elevation. These wells were previously reported in the Arizona Supplemental Section.
- 10/ Diversion values have been reduced for those users (B. Ogram, G Ogram, and ASLD) who take deliveries outside District boundaries. Those diversions appear in the Arizona Supplemental section.
- 11/ Diversion amounts include pumpage from AEW-15, 16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.
- 12/ Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
- 13/ Details may be found on the Arizona Supplemental sheets.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2008
STATE OF ARIZONA

		8/1/09	(ACRE-FEET)											
WATER USER	Fmts USGS # 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company		1	0	1	1	2	2	2	2	1	1	1	1	15
SUBTOTAL, LEE FERRY TO DAVIS DAM	2/	1	0	1	1	2	2	2	2	1	1	1	1	15
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	1	1	1	1	0	0	0	0	4
		1	0	1	1	1	1	1	1	1	1	1	1	11
McAlister, M. (river intake)		0	1	1	1	1	1	1	1	1	1	1	0	10
Crystal Beach Water Conservation District		8	8	9	9	9	10	10	10	9	9	8	8	107
Arizona American Water		63	57	66	66	79	91	94	88	90	82	71	64	911
Arizona State Parks (Windsor Beach)		1	2	2	2	3	4	4	4	3	3	2	1	31
SUBTOTALS, DAVIS DAM TO PARKER DAM	2/	72	68	78	78	92	106	109	103	103	95	82	73	1,059
		0	0	0	0	0	0	0	0	0	0	0	0	0
		25	24	27	27	32	37	38	36	36	33	29	26	370
		47	44	51	51	60	69	71	67	67	62	53	47	689
Hillcrest Water Co.		2	2	2	2	2	3	2	3	3	2	3	2	28
Rayner, Jack Jr.	AEP-9, AEW-35	154	192	262	283	346	419	458	441	346	290	206	203	3,600
Arizona State Land Department (domestic use)		5	4	8	6	8	6	5	5	5	4	6	4	66
Arizona State Land Department (agricultural use)		21	41	286	152	321	402	436	266	162	58	14	0	2,159
North Baja Pipeline, LLC (TransCanada)		30	36	24	10	15	44	26	38	23	21	12	20	299
BLM Permittees (LHFO & YFO)		38	73	61	55	71	84	78	120	73	102	57	46	858
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2/	250	348	643	508	763	958	1,005	873	612	477	298	275	7,010
		0	0	0	0	0	0	0	0	0	0	0	0	0
		88	122	225	178	267	335	352	306	214	167	104	96	2,454
		162	226	418	330	496	623	653	567	398	310	194	179	4,556
Bard Date Gardens (JRJ Partners, LLC)	AEP-9, AEW-3	82	65	92	110	97	134	102	109	83	90	60	60	1,084
Cha Cha (Glen Curtis Citrus)	3/ AEP-2/3, AEW-4/5, ADW-3	95	137	84	137	247	238	248	50	58	33	90	60	1,477
Youmans, R. (Beatty Farms Southwest)	3/ ADW-2	42	53	72	78	95	115	126	121	95	80	57	56	990
BLM Permittees (YFO)		9	6	7	6	4	7	6	17	8	7	6	34	117
Pratt, L.	3/ ADW-1	13	16	22	23	29	35	38	37	29	24	17	17	300
Ogram, George	3/4/ AEW-9 Delivered by YID	40	45	42	37	69	72	54	0	43	67	40	0	509
Ogram, Bill	3/4/ Delivered by YID	54	83	113	113	115	117	83	0	126	43	96	42	985
Peach	3/ AEW-13/AEW-48	0	0	0	0	0	0	0	0	0	0	0	0	0
Yucca Power Plant (Arizona Public Service)	3/	31	38	52	57	69	84	91	88	69	58	41	41	719
Amigo Farms	3/ AEW-14, ADP-1	15	18	25	27	33	40	44	42	33	28	20	19	344
Curry Family Limited	3/ AEP-4, ADP-2	12	14	20	21	26	32	34	33	26	22	15	15	270
Power, P.	3/ ADP-3/4	32	39	54	58	71	86	94	90	71	59	42	42	738
Pasquinelli, Gary	3/ ADP-5	34	34	68	68	34	34	0	0	0	68	68	68	476
Arizona State Land Department (agricultural use)	4/	518	471	719	842	865	726	822	886	770	898	683	515	8,715
SUBTOTALS, BELOW IMPERIAL DAM	2/	977	1,019	1,370	1,577	1,754	1,720	1,742	1,473	1,411	1,477	1,235	969	16,724
		0	0	0	0	0	0	0	0	0	0	0	0	0
		342	357	480	552	614	602	610	516	494	517	432	339	5,855
		635	662	890	1,025	1,140	1,118	1,132	957	917	960	803	630	10,869
=====														
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2/	1,300	1,435	2,092	2,164	2,611	2,786	2,858	2,451	2,127	2,050	1,616	1,318	24,808
		0	0	0	0	0	0	0	0	0	0	0	0	0
		455	503	732	757	914	975	1,001	859	744	717	565	461	8,683
		845	932	1,360	1,407	1,697	1,811	1,857	1,592	1,383	1,333	1,051	857	16,125

Foot notes:

- 1/ Reference number listed on the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain", or the column contains a comment.
- 2/ Monthly and annual totals rounded and displayed to the nearest whole number.
- 3/ Calculated by assuming an annual diversion rate of six af per acre.
- 4/ George Ogram, Bill Ogram and some ALSD lands have water delivered (wheeled) to them by YID from the GGMC. A proportionate share of the loss associated with the GGMC has been assessed.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF CALIFORNIA

		8/1/09	(ACRE-FEET)												
WATER USER	Frnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOJAVE INDIAN RESERVATION															
DELIVERED BY CITY OF NEEDLES	2/	DIVERSION	2	4	3	4	6	7	3	6	6	1	4	3	49
PUMPED FROM RIVER AND WELLS	2/	DIVERSION	295	917	1,617	2,158	1,993	1,093	2,025	1,163	1,320	750	891	646	14,868
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	137	426	749	999	924	508	937	540	613	347	414	300	6,894
		CONSUMPTIVE USE	160	495	871	1,163	1,075	592	1,091	629	713	404	481	349	8,023
CITY OF NEEDLES															
PUMPED FROM WELLS	3/	DIVERSION	132	146	216	228	255	262	290	227	205	250	167	103	2,481
		MEAS. RETURNS	32	29	33	47	52	40	41	42	38	46	55	49	504
		UNMEAS. RETURNS	24	22	24	34	37	28	29	30	27	33	39	36	363
		CONSUMPTIVE USE	76	95	159	147	166	194	220	155	140	171	73	18	1,614
CHEMEHUEVI INDIAN RESERVATION															
PUMPED FROM RIVER AND WELLS		DIVERSION	16	19	27	29	35	43	46	45	35	29	21	20	365
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	7	9	12	13	16	20	21	21	16	13	10	9	167
		CONSUMPTIVE USE	9	10	15	16	19	23	25	24	19	16	11	11	198
METROPOLITAN WATER DISTRICT															
DIVERSION FROM LAKE HAVASU		DIVERSION	74,333	60,387	39,002	68,858	89,357	86,628	79,912	75,030	74,649	69,110	46,398	57,550	821,212
SUPPLEMENTAL WATER	4/	DIVERSION	381	357	381	369	381	369	381	381	369	381	369	1,894	6,013
WATER EXCHANGED WITH SDCWA	5/	DIVERSION	6,825	6,385	6,825	6,605	6,825	6,605	6,825	6,825	6,605	6,825	6,605	6,825	80,582
		MEAS. RETURNS	271	249	262	250	256	245	245	208	217	250	240	264	2,957
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	81,268	66,880	45,946	75,582	96,307	93,357	86,873	82,028	81,406	76,066	53,132	66,005	904,850
PARKER DAM AND GOVERNMENT CAMP															
DIVERSION AT PARKER DAM	3/	DIVERSION	6	6	8	9	10	15	18	20	21	17	14	12	156
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	6	6	8	9	10	15	18	20	21	17	14	12	156
COLORADO RIVER INDIAN RESERVATION															
PUMPED FROM 8 PUMPS AND WELLS		DIVERSION	181	225	308	332	407	493	538	518	407	341	242	238	4,230
4 PUMPS, BIG RIVER		DIVERSION	41	42	56	64	73	86	91	83	71	63	49	34	753
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	93	111	152	165	200	241	262	250	199	168	121	113	2,075
		CONSUMPTIVE USE	129	156	212	231	280	338	367	351	279	236	170	159	2,908
CITY OF WINTERHAVEN															
PUMPED FROM ONE WELL IN FLOODPLAIN	6/	DIVERSION	5	6	8	8	10	13	14	13	10	9	6	6	108
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	2	2	3	3	3	4	5	4	3	3	2	2	36
		CONSUMPTIVE USE	3	4	5	5	7	9	9	9	7	6	4	4	72
PALO VERDE IRRIGATION DISTRICT															
DIVERSION FROM PALO VERDE DAM		DIVERSION	31,530	54,740	76,260	88,090	93,760	103,600	106,000	99,350	83,030	64,800	46,220	33,840	881,220
		MEAS. RETURNS	28,089	30,761	36,049	40,428	42,364	42,669	44,425	42,793	43,267	39,441	35,464	31,125	456,875
		UNMEAS. RETURNS	1,766	3,065	4,271	4,933	5,251	5,802	5,936	5,564	4,650	3,629	2,588	1,895	49,350
		CONSUMPTIVE USE	1,675	20,914	35,940	42,729	46,145	55,129	55,639	50,993	35,113	21,730	8,168	820	374,995
YUMA PROJECT, RESERVATION DIVISION, INDIAN UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	2,463	3,867	6,710	8,758	6,083	1,956	2,700	3,000	1,633	3,829	2,897	1,353	45,249
DOMESTIC	7/	DIVERSION	34	42	58	63	76	93	101	97	77	64	46	44	795
		MEAS. RETURNS	46	30	42	117	55	23	37	95	53	137	97	74	806
		UNMEAS. RETURNS	427	665	1,146	1,491	1,050	368	496	544	307	668	504	246	7,912
YUMA PROJECT, RESERVATION DIVISION, BARD UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	1,966	2,441	4,913	6,068	5,796	3,529	3,373	3,299	3,663	5,120	3,295	1,105	44,568
		MEAS. RETURNS	23	12	18	49	29	26	29	60	74	111	56	31	518
		UNMEAS. RETURNS	328	408	820	1,013	968	589	563	551	612	855	550	185	7,442
RETURNS FROM YUMA PROJECT,															
RESERVATION DIVISION RETURNS	8/	MEAS. RETURNS	2,140	1,632	2,173	2,497	2,850	2,067	2,024	2,084	2,450	3,052	2,579	2,794	28,342
SUM YUMA PROJECT, RESERVATION DIVISION USE		CONSUMPTIVE USE	1,499	3,603	7,482	9,722	7,003	2,505	3,025	3,062	1,877	4,190	2,452	-828	45,592

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF CALIFORNIA

WATER USER	8/1/09 Frts	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM		121,090	179,039	302,559	354,756	326,038	294,192	324,639	288,199	234,857	221,274	164,539	107,926	2,919,108
		3,862	2,346	3,122	7,878	4,768	6,256	7,907	14,804	12,247	13,301	8,476	9,025	93,992
		0	0	0	0	0	0	0	0	0	0	0	0	0
		117,228	176,693	299,437	346,878	321,270	287,936	316,732	273,395	222,610	207,973	156,063	98,901	2,825,116
WATER TRANSFERRED TO SDCWA (MITIGATION)	9/	0	1,866	2,740	791	2,351	1,667	1,013	1,044	3,496	5,239	6,527	439	27,173
		0	24	28	18	34	35	25	54	182	315	336	37	1,088
		0	1,842	2,712	773	2,317	1,632	988	990	3,314	4,924	6,191	402	26,085
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM		11,839	14,944	23,217	27,351	31,031	33,546	34,836	32,974	28,182	29,448	26,577	16,214	310,159
		378	196	240	607	454	713	848	1,694	1,470	1,770	1,369	1,356	11,095
		0	0	0	0	0	0	0	0	0	0	0	0	0
		11,461	14,748	22,977	26,744	30,577	32,833	33,988	31,280	26,712	27,678	25,208	14,858	299,064
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	10/	837	1,081	1,528	1,631	1,817	2,061	2,194	2,092	1,648	1,376	979	960	18,203
		8	10	13	15	19	23	25	24	19	16	11	10	193
		361	470	661	709	786	892	947	903	712	595	423	414	7,873
		468	601	854	907	1,012	1,146	1,222	1,165	917	765	545	536	10,137
CALIFORNIA TOTALS		251,976	326,514	466,436	566,172	566,304	536,258	564,999	514,366	440,284	408,926	305,846	229,212	5,177,292
		34,849	35,289	41,980	51,906	50,881	52,097	55,606	61,858	60,017	58,439	48,683	44,765	596,370
		3,145	5,178	7,838	9,360	9,235	8,452	9,196	8,407	7,139	6,311	4,651	3,200	82,112
		213,982	286,047	416,618	504,906	506,188	475,709	500,197	444,101	373,128	344,176	252,512	181,247	4,498,810

Note: The term 'CONSUMPTIVE USE' as used in this tabulation means diversions, including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- 1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- 2/ Diversion amounts include deliveries to the Fort Mojave Tribe by the City of Needles. Diversion values listed as pumped from river and wells are provided by the Fort Mojave Tribe and Reclamation.
- 3/ A portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.
- 4/ Water available to MWD which would have been available for allocation to the San Luis Rey Settlement Parties (SLRSP) as a result of the CCLP and the AACLP had the requirements of Section 104 of Public Law 100-675 as amended been satisfied. Water delivered to MWD pursuant to Section 7.6 of the October 10, 2003 Allocation Agreement.
- 5/ Water conserved by (i) IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement and (ii) water allocated to SDCWA as a result of the CCLP and AACLP pursuant to Article 10 of the October 10, 2003 Allocation Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement.
- 6/ Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
- 7/ These values represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the reservation.
- 8/ Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.
- 9/ This entry represents water conserved by IID, transferred to SDCWA and delivered to the Salton Sea, in accordance with CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended.
- 10/ Details can be found on the California Supplemental page.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2008
 STATE OF CALIFORNIA

8/1/09			(ACRE-FEET)												
WATER USER	Fmts	USGS# 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	2/	CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	2/	CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Cal Gas	3/	CEW-21	3	3	5	5	6	8	8	8	6	5	4	4	65
Pacific Gas & Electric Company	3/		12	15	21	22	28	33	36	35	28	23	16	16	285
Havasu Water Company	3/	Needles rpt.	2	3	3	3	4	5	5	5	4	3	3	2	42
Vista Del Lago	3/	Needles rpt.	0	0	1	2	2	2	2	2	2	1	1	0	15
Wells reported under non-Federal subcontracts to LCWSP	3/	Needles rpt.	13	16	22	23	28	35	38	36	28	24	17	16	296
SUBTOTALS, DAVIS DAM TO PARKER DAM	4/	DIVERSION	30	37	52	55	68	83	89	86	68	56	41	38	703
	3a/	MEAS. RETURNS	8	10	13	15	19	23	25	24	19	16	11	10	193
		UNMEAS. RETURNS	6	8	10	11	14	17	18	17	14	11	8	7	141
		CONSUMPTIVE USE	16	19	29	29	35	43	46	45	35	29	22	21	369
Wetmore, Kenneth C.			0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.			0	0	0	0	0	0	1	0	0	0	0	0	1
Camey, Jerome D.			0	0	0	0	0	1	0	0	0	0	0	0	1
Wetmore, Mark M.			0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch (Lye, C. L.)	2/	CEW-16	1	2	3	3	4	4	5	5	4	3	2	2	38
Lake Enterprises of California			2	2	1	2	2	3	4	3	2	0	0	0	21
BLM Permitees (LHFO & YFO)	3/5/		25	19	41	32	53	41	58	50	41	33	26	23	442
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	4/	DIVERSION	28	23	46	38	61	51	70	60	49	37	29	25	517
		BLM UNMEAS. RETURNS	6	4	10	8	13	10	15	12	10	8	7	5	108
		UNMEAS. RETURNS	1	2	2	3	4	4	5	4	4	2	1	1	33
		CONSUMPTIVE USE	21	17	34	27	44	37	50	44	35	27	21	19	376
FORT YUMA IR - CA															
Valdez, Mike	2/	CDP-1, 2, CEW-1	26	32	44	47	58	70	76	73	58	48	34	34	600
Fort Yuma Indian Tribe	2/	CEW-2, CDP-3	1	1	2	2	2	3	3	3	2	2	2	1	24
Mike Valdez	2/	CEW-3,CDP-4,CDW-1	123	154	210	226	277	336	366	352	277	232	165	162	2,880
MivCo Packing	2/	CEW-14	30	38	51	56	68	83	90	87	68	57	40	40	708
Valdez, Mike	2/	CEW-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranch "5" Lands, Yuma Island, CA (351 ac)	6/	AAC diversion	98	171	272	287	160	68	12	0	0	0	0	0	1,067
Huerta Packing	2/	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON FYIR - CA	4/	DIVERSION	278	396	579	618	565	560	547	515	405	339	241	237	5,279
SUM OF UNMEASURED RETURNS, FYIR - CA		UNMEAS. RETURNS	124	177	259	276	253	250	244	230	181	152	108	106	2,360
YUMA ISLAND - CA															
Arizona State Land Department Lessees															
Martin Family Trust	2/	CEP-01,02,CDW-07	38	48	66	71	86	105	114	110	87	73	51	51	900
Billy Turner	2/	CEW-08,CEP-03,CDP-05	30	37	50	54	66	81	88	84	66	56	39	39	690
Leroy Heile	2/	CDEW-01,CEW-07,CDW-06	49	61	83	90	109	133	145	139	110	92	65	64	1,140
James Williams	2/	CDW-5	11	14	18	20	24	29	32	31	24	20	15	14	252
Griffin Produce Company	2/	CEW-04,05,CDW-03	67	83	113	123	150	182	198	191	150	126	89	88	1,560
Perez Family Trust	2/	CEW-06,CDW-04	40	50	68	73	89	108	118	114	90	75	53	52	930
Clifford Winton Jr.	2/7/		10	12	17	18	22	26	29	28	22	18	13	13	228
Clara Jean Wilson	2/7/		10	13	17	19	23	28	31	29	23	19	14	14	240
Lou Ella Harp	2/7/		26	33	45	49	59	72	79	76	59	50	35	35	618
Robert E. Harp	2/7/		18	23	31	34	42	50	55	53	42	35	25	24	432
Leroy Heile	2/	CDW-8	30	37	50	54	66	81	88	84	66	56	39	39	690
K.H. Easterday	2/	CEW-10,22	48	59	81	87	107	129	141	136	107	89	63	63	1,110
Wilson Farms	2/	CEW-11	14	17	24	26	32	38	42	40	32	27	19	19	330
R. Harp	2/	CDW-2	32	40	55	59	72	88	95	92	72	60	43	42	750
Dees, Alex	2/	CEW-9	45	56	76	82	101	122	134	129	101	85	60	59	1,050
Mike Palmer (Power, L.O.)	2/	CEW-13	33	42	57	61	75	91	99	95	75	63	45	44	780
SUM OF PUMPING ON YUMA ISLAND - CA	4/	DIVERSION	501	625	851	920	1,123	1,367	1,488	1,431	1,126	944	668	660	11,704
SUM OF UNMEASURED RETURNS, YUMA ISLAND - CA		UNMEAS. RETURNS	224	279	380	411	502	611	665	640	503	422	299	295	5,231

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2008
 STATE OF CALIFORNIA

WATER USER	8/1/09		(ACRE-FEET)													
	Fmts	USGS# 1/	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
SUBTOTALS, ALL USES BELOW IMPERIAL DAM			DIVERSION	779	1,021	1,430	1,538	1,688	1,927	2,035	1,946	1,531	1,283	909	897	16,983
			MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
			UNMEAS. RETURNS	348	456	639	687	755	861	909	870	684	574	407	401	7,591
			CONSUMPTIVE USE	431	565	791	851	933	1,066	1,126	1,076	847	709	502	496	9,392
=====			=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION			DIVERSION	837	1,081	1,528	1,631	1,817	2,061	2,194	2,092	1,648	1,376	979	960	18,203
			MEAS. RETURNS	8	10	13	15	19	23	25	24	19	16	11	10	193
			UNMEAS. RETURNS	361	470	661	709	786	892	947	903	712	595	423	414	7,873
			CONSUMPTIVE USE	468	601	854	907	1,012	1,146	1,222	1,165	917	765	545	536	10,137

Footnotes:

- 1/ Reference number listed on the annual USGS Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain" or the column contains a comment.
- 2/ Calculated by assuming an annual diversion rate of six af per acre.
- 3/ Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 3a/ This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.
- 4/ Monthly and annual totals rounded to the nearest whole number.
- 5/ At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA. Some BLM lessees have very limited returns due to evaporation ponds and low application rates.
- 6/ Surface water diversions from the AAC through Bard Water District. Diversion calculated by prorating total measured delivery by irrigated acreage in each state. Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.
- 7/ Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated using the acreage factor outlined in footnote 2/ above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF NEVADA

WATER USER	8/1/09 Ftrts	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	4	4	4	4	4	5	5	5	5	5	4	3	52
	MEAS. RETURNS	2	3	2	3	3	3	3	3	3	3	3	3	34
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	2	1	2	1	1	2	2	2	2	2	1	0	18
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	31,819	25,900	33,743	37,813	42,749	42,566	46,380	48,044	37,473	41,694	31,016	25,988	445,185
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	49	31	51	48	50	52	60	59	54	46	36	31	567
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	49	31	51	48	50	52	60	59	54	46	36	31	567
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD COVE)	DIVERSION	16	18	21	18	21	10	26	20	17	15	14	13	209
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	16	18	21	18	21	10	26	20	17	15	14	13	209
BASIC MANAGEMENT INC.														
DIVERSION AT LAKE MEAD	DIVERSION	403	396	397	486	619	583	547	704	506	508	301	498	5,948
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	403	396	397	486	619	583	547	704	506	508	301	498	5,948
CITY OF HENDERSON														
DIVERSION AT LAKE MEAD	DIVERSION	775	706	1,066	1,487	2,124	1,817	2,094	1,597	1,345	1,530	1,116	870	16,527
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	775	706	1,066	1,487	2,124	1,817	2,094	1,597	1,345	1,530	1,116	870	16,527
NEVADA DEPARTMENT OF FISH AND GAME														
DIVERSION AT LAKE MEAD	DIVERSION	4	3	2	5	5	5	6	6	6	6	6	4	58
	MEAS. RETURNS	3	2	1	5	4	5	5	6	5	5	5	3	49
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	0	1	0	1	1	0	1	1	1	9
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	66	70	78	87	80	59	89	93	91	76	42	45	876
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	66	70	78	87	80	59	89	93	91	76	42	45	876
MOHAVE GENERATING STATION (SCE)														
PUMPED FROM 1 WELL	DIVERSION	36	35	40	41	41	42	46	45	41	45	41	38	491
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	36	35	40	41	41	42	46	45	41	45	41	38	491
BIG BEND WATER DISTRICT														
	DIVERSION	289	286	336	376	420	434	472	458	397	377	308	280	4,433
	MEAS. RETURNS	195	191	219	210	220	206	235	235	207	200	177	154	2,449
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	94	95	117	166	200	228	237	223	190	177	131	126	1,984
FORT MOJAVE INDIAN RESERVATION														
PUMPED FROM 2 WELLS IN FLOODPLAIN	DIVERSION	207	353	385	785	883	950	635	544	451	182	131	122	5,628
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	68	116	127	259	291	314	210	180	149	60	43	40	1,857
	CONSUMPTIVE USE	139	237	258	526	592	636	425	364	302	122	88	82	3,771

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF NEVADA

WATER USER	8/1/09 Ftrnts	(ACRE-FEET)												TOTAL 1/
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LAS VEGAS WASH RETURN FLOWS	3/ RETURNS	18715	16,612	17,994	16,070	15,962	14,874	15,882	16,960	17,084	18,018	17,858	19,902	205,931
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DAVIS DAM TO CALIFORNIA BOUNDARY	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA TOTALS	DIVERSION	33,668	27,802	36,123	41,150	46,996	46,523	50,360	51,575	40,386	44,484	33,015	27,892	479,974
	MEAS. RETURNS	18,915	16,808	18,216	16,288	16,189	15,088	16,125	17,203	17,300	18,226	18,043	20,062	208,463
	UNMEAS. RETURNS	68	116	127	259	291	314	210	180	149	60	43	40	1,857
	CONSUMPTIVE USE	14,685	10,878	17,780	24,603	30,516	31,121	34,025	34,192	22,937	26,198	14,929	7,790	269,654
GROUNDWATER INJECTED STORAGE	4/													
LAS VEGAS VALLEY WATER DISTRICT	INJECTED	5,045	0	0	0	0	0	0	0	0	0	0	0	5,045
	WITHDRAWN	0	0	0	0	0	0	0	17	375	276	130	53	851
CITY OF NORTH LAS VEGAS	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

1/ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

2/ Diversions were fully measured and reported by Reclamation.

3/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated December 12, 2007.

4/ Nevada Injected Storage Balance:

A/ Beginning-of-Year Cumulative Injected Storage	346,981
Plus Current Year Additions	5,045
Minus Current Year Withdrawals	851
End-of-Year Cumulative Injected Storage	<u>351,175</u>

A/ Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
*ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)***

The following tabulations for calendar year 2008 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was computed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those which divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

Should the reader compare the sum of the water ordered but not diverted, which is delivered to Mexico in excess of treaty requirements tabulated below to the figure presented in the next section of this report, Article V (D), they will find that the totals do not match. This is a result of differences in the data provided to Reclamation and the method for summing the information. In this section, Reclamation sums the amount of water calculated to have been delivered to Mexico in excess of treaty requirements only. In the following section, the excess delivery data is supplied by IBWC and represents the sum of daily deliveries in excess of treaty requirements and daily under deliveries to Mexico.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2008
 STATE OF ARIZONA

WATER USER	08/01/09	(ACRE-FEET)												TOTAL
	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		888	1,967	3,882	2,885	3,011	756	1,209	2,855	1,315	3,902	1,502	538	24,710
DELIVERED TO MEXICO IN SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	888	1,967	3,882	2,885	3,011	756	1,209	2,855	1,315	3,902	1,502	538	24,710
DELIVERED TO MEXICO IN EXCESS OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
CR INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK														
ORDERED BUT NOT DIVERTED		3,090	1,420	3,572	2,755	3,130	3,017	1,102	3,497	3,271	2,884	3,342	1,355	32,435
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		1,554	449	795	294	1,410	729	284	992	1,189	1,388	1,205	534	10,823
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	636	683	2,093	1,820	971	1,942	621	1,277	1,364	480	1,037	492	13,416
DELIVERED TO MEXICO IN EXCESS OF TREATY		697	243	562	443	567	313	130	513	366	577	650	203	5,264
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		707	364	699	656	787	139	657	1,067	502	622	1,267	2,923	10,390
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		253	144	255	103	390	22	254	393	189	382	491	923	3,799
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	145	117	317	359	209	84	308	370	222	78	325	1,000	3,534
DELIVERED TO MEXICO IN EXCESS OF TREATY		110	83	106	147	124	33	80	170	70	84	174	415	1,596
GILA MONSTER FARMS, GILA PROJECT DISTRICTS														
DIVERSION AT IMPERIAL DAM	1/													
ORDERED BUT NOT DIVERTED		1,103	914	990	862	632	557	607	603	884	393	540	884	8,969
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		523	358	311	128	217	170	218	210	319	216	184	222	3,076
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	215	380	493	539	275	329	297	151	365	76	180	392	3,692
DELIVERED TO MEXICO IN EXCESS OF TREATY		176	153	155	123	110	52	57	137	140	49	94	121	1,367
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		9,034	5,139	714	2,473	8,299	3,318	8,269	9,096	8,234	6,880	7,779	9,060	78,295
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		5,264	2,913	413	501	3,909	893	2,730	2,754	3,563	2,929	2,824	3,483	32,176
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	1,392	929	180	1,377	1,861	1,639	3,972	2,033	1,945	1,234	1,737	2,227	20,526
DELIVERED TO MEXICO IN EXCESS OF TREATY		1,187	1,135	68	440	1,836	727	945	1,522	591	1,426	1,082	1,393	12,352
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		1,601	434	115	199	929	325	405	872	1,105	794	1,747	3,418	11,944
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		754	244	0	39	348	92	180	302	500	363	647	1,083	4,552
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	228	103	53	73	178	178	194	186	223	122	248	1,174	2,960
DELIVERED TO MEXICO IN EXCESS OF TREATY		217	62	61	80	309	53	18	200	148	131	270	529	2,078
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		8,668	3,913	2,997	1,408	3,043	1,567	1,483	2,109	5,814	6,433	5,193	6,525	49,153
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		4,855	1,455	1,173	247	1,493	647	512	511	2,544	3,088	1,864	2,260	20,649
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	1,136	1,888	1,385	818	787	835	768	691	1,986	1,288	1,723	1,410	14,715
DELIVERED TO MEXICO IN EXCESS OF TREATY		1,160	541	312	304	607	73	179	183	894	1,034	684	745	6,716
		1,517	29	127	39	156	12	24	724	390	1,023	922	2,110	7,073

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2008
 STATE OF ARIZONA

WATER USER	08/01/09	(ACRE-FEET)												TOTAL
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
UNIT "B" I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		596	379	356	527	829	640	642	538	936	1,089	1,088	437	8,057
DELIVERED TO MEXICO IN		294	181	93	88	353	292	277	167	524	628	382	91	3,370
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		62	157	220	353	274	315	234	131	186	168	361	86	2,547
DELIVERED TO STORAGE	1/	86	35	34	56	160	24	78	118	160	171	137	87	1,146
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		154	6	9	30	42	9	53	122	66	122	208	173	994
YUMA COUNTY WATER USERS' ASSN., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		6,946	4,750	3,297	497	8,028	7,540	5,192	4,945	5,870	7,304	8,793	11,657	74,819
DELIVERED TO MEXICO IN		3,453	1,420	1,225	79	3,838	1,952	1,098	695	2,412	3,034	3,588	4,687	27,481
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		1,064	2,375	1,395	306	1,780	4,678	3,203	1,726	1,819	1,296	1,557	2,555	23,754
DELIVERED TO STORAGE	1/	986	812	579	60	2,067	801	544	742	1,140	1,450	1,360	1,602	12,143
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		1,443	143	98	52	343	109	347	1,782	499	1,524	2,288	2,813	11,441
ARIZONA TOTALS														
ORDERED BUT NOT DIVERTED		32,633	19,280	16,622	12,262	28,688	17,859	19,566	25,582	27,931	30,301	31,251	36,797	298,772
DELIVERED TO MEXICO IN		16,950	7,164	4,265	1,479	11,958	4,797	5,553	6,024	11,240	12,028	11,185	13,283	105,926
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		4,878	6,632	6,136	5,645	6,335	10,000	9,597	6,565	8,110	4,742	7,168	9,336	85,144
DELIVERED TO STORAGE	1/	5,507	5,031	5,759	4,538	8,791	2,832	3,240	6,440	4,824	8,824	5,953	5,633	67,372
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		5,298	453	462	600	1,604	230	1,176	6,553	3,757	4,707	6,945	8,545	40,330

Footnotes:
 1/ Available for future use.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2008
 STATE OF CALIFORNIA

WATER USER	08/01/09	(ACRE-FEET)												TOTAL
	Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		4,170	4,158	3,460	4,871	7,919	3,386	1,113	534	3,784	3,796	2,279	4,016	43,486
DELIVERED TO MEXICO IN SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	4,170	4,158	3,460	4,871	7,919	3,386	1,113	534	3,784	3,796	2,279	4,016	43,486
DELIVERED TO MEXICO IN EXCESS OF TREATY		0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM														
ORDERED BUT NOT DIVERTED		1,156	298	877	615	237	1,547	2,519	1,111	952	995	847	756	11,910
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		641	25	426	193	116	628	792	307	444	735	538	123	4,968
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	146	193	261	231	69	794	1,374	435	225	123	146	440	4,437
DELIVERED TO MEXICO IN EXCESS OF TREATY		260	79	157	165	25	117	343	291	177	37	88	97	1,836
		109	1	33	26	27	8	10	78	106	100	75	96	669
YUMA PROJECT RESERVATION DIVISION, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		5,111	3,357	2,040	1,811	3,092	3,076	2,490	2,037	3,200	2,273	4,877	5,080	38,444
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		2,644	1,202	371	423	1,527	705	896	547	1,124	1,486	1,820	1,584	14,329
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	870	1,435	1,073	965	605	2,034	1,154	579	1,222	221	1,410	1,837	13,405
DELIVERED TO MEXICO IN EXCESS OF TREATY		776	642	551	371	723	303	336	525	431	271	726	820	6,475
		821	78	45	52	237	34	104	386	423	295	921	839	4,235
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		18,200	4,586	19,749	10,746	9,432	2,753	4,924	11,853	16,086	22,203	12,506	21,499	154,537
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		9,122	2,617	5,692	2,363	4,156	1,476	3,516	4,704	9,343	11,614	6,373	5,835	66,811
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	1,448	1,008	7,933	4,810	2,504	821	762	2,098	1,190	3,300	1,291	3,686	30,851
DELIVERED TO MEXICO IN EXCESS OF TREATY		2,474	707	5,464	2,887	2,386	423	269	3,372	850	2,610	2,024	3,541	27,007
		5,156	254	660	686	386	33	377	1,679	4,703	4,679	2,818	8,437	29,868
COACHELLA VALLEY WATER DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		3,477	1,699	2,215	1,667	2,653	2,121	5,686	4,323	3,399	1,348	3,742	5,904	38,234
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		1,697	940	710	218	675	459	2,278	830	1,312	530	1,291	1,163	12,103
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	433	421	1,000	1,116	922	1,125	3,058	2,342	1,629	417	654	1,901	15,018
DELIVERED TO MEXICO IN EXCESS OF TREATY		518	272	432	202	924	523	185	560	214	62	508	929	5,329
		829	66	73	131	132	14	165	591	244	339	1,289	1,911	5,784
CALIFORNIA TOTALS														
ORDERED BUT NOT DIVERTED		32,114	14,098	28,341	19,710	23,333	12,883	16,732	19,858	27,421	30,615	24,251	37,255	286,611
DELIVERED TO MEXICO IN SATISFACTION OF TREATY		14,104	4,784	7,199	3,197	6,474	3,268	7,482	6,388	12,223	14,365	10,022	8,705	98,211
DIVERTED BY OTHERS														
DELIVERED TO STORAGE	1/	2,897	3,057	10,267	7,122	4,100	4,774	6,348	5,454	4,266	4,061	3,501	7,864	63,711
DELIVERED TO MEXICO IN EXCESS OF TREATY		8,198	5,858	10,064	8,496	11,977	4,752	2,246	5,282	5,456	6,776	5,625	9,403	84,133
		6,915	399	811	895	782	89	656	2,734	5,476	5,413	5,103	11,283	40,556

Footnotes:
 1/ Available for future use.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944 AND WATER
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

WATER USER	8/1/09 Ftnts	CALENDAR YEAR 2008 (ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DELIVERY AT NIB	1/	119,679	141,982	193,619	194,235	99,772	103,296	109,782	98,098	89,161	69,464	103,373	125,311	1,447,772
DELIVERY AT THE LIMITROPHE	2/	644	821	639	357	728	406	398	379	890	673	938	667	7,540
DELIVERY FOR TIJUANA	3/	0	403	931	682	696	686	0	0	700	682	0	702	5,482
DELIVERY AT SIB		11,471	11,322	9,515	6,603	12,058	11,197	11,460	10,051	8,425	12,870	13,259	12,150	130,381
DIVERSION CHANNEL DISCHARGED TO RIVER	4/	0	20	0	53	62	0	12	57	0	0	0	0	204
TOTAL DELIVERY TO MEXICO	5/	131,794	154,548	204,704	201,930	113,316	115,585	121,652	108,585	99,176	83,689	117,570	138,830	1,591,379
TO MEXICO IN SATISFACTION OF TREATY		119,428	154,380	204,112	198,669	110,741	115,575	119,428	93,370	89,307	73,739	102,966	118,285	1,500,000
TO MEXICO IN EXCESS OF TREATY	6/	12,366	168	592	3,261	2,575	10	2,224	15,215	9,869	9,950	14,604	20,545	91,379
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC		10,178	9,452	9,932	9,619	9,991	9,729	7,427	6,927	10,128	10,370	10,607	11,074	115,434

Footnotes:

1/ Flow in the river at the Northerly International Boundary.

2/ Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

3/ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minutes No. 310 and 314 of the IBWC.

4/ Diversion channel delivers water from the SIB confluence structure to the river or the Bypass. During the months shown the flow is charged to the Treaty.

5/ This does not include Water Bypassed Pursuant to Minute No. 242 of the IBWC.

6/ Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

		CALENDAR YEAR 2008												
		(ACRE-FEET)												
8/1/09														
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information tabulated here provides a broader record of activities relating to federal management of the Colorado River in concise reports specific to various agreements or requirements and it is intended to help the reader correlate the records of diversions and consumptive uses with the various conservation, transfer and exchange agreements. The final section contains documents significant to the actions taken by Reclamation, the Lower Division States, and the water user agencies.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). The SIRA provides structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's Colorado River water consumption. This forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

the year Colorado River water is diverted. LTSC's are created for the account of consuming entities in Nevada or California. When LTSC's are recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC's. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II(B)(6) of the Consolidated Decree. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls upon this stored water, MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. Recovery of MWD's credits is subject to the terms of an amended letter agreement dated December 11, 2007.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA, provisional LTSC accrued during the past year, Long Term Storage Credits recovered during the past year, ALTSC held for an entity with a SIRA, and credits assigned to MWD by CAWCD.

INTERSTATE BANKING
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2008

8/1/09

(ACRE-FEET)

		Ftns	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified BOY ALTSC	1/	527,520												
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 08	2/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 08	3/	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 08	4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC	5/	527,520	527,520	527,520	527,520	527,520	527,520	527,520	527,520	527,520	527,520	527,520	527,520	527,520
Water diverted and stored by MWD for the benefit of SNWA.	Verified BOY ALTSC	1/6/	25,000												
	Accrued LTSC in 08	6/	0	0	0	0	0	15,000	0	0	0	0	0	30,000	45,000
	Verified LTSC in 08		0	0	0	0	0	15,000	0	0	0	0	0	30,000	45,000
	ICUA Developed in 08	4/6/	0	0	0	0	0	0	0	0	0	0	0	0	0
Total ALTSC	6/	25,000	25,000	25,000	25,000	25,000	40,000	40,000	40,000	40,000	40,000	40,000	70,000	70,000	
AMOUNT OF WATER STORED FOR THE BENEFIT OF NEVADA - CURRENT YEAR			0	0	0	0	0	15,000	0	0	0	0	0	30,000	45,000
CUMULATIVE BALANCE OF WATER STORED FOR NEVADA WITHIN AZ AND CA	7/	552,520	552,520	552,520	552,520	552,520	587,520	587,520	587,520	587,520	587,520	587,520	587,520	597,520	597,520
CALIFORNIA	Verified BOY ALTSC	8/	64,105												
Water diverted and stored in Arizona for the benefit of MWD.	Accrued LTSC in 08	2/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 08	3/	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 08	4/	720	894	2,041	2,352	2,347	2,350	2,808	3,207	3,690	3,036	1,951	3,246	28,442
	Total ALTSC	5/8/	63,385	62,491	60,450	58,098	55,751	53,401	50,793	47,586	43,896	40,860	38,909	35,663	35,663
STATES TOTAL	Verified BOY ALTSC	1/	618,625												
Water stored in AZ & CA for the benefit of Nevada and California Parties.	Accrued LTSC in 08	2/	0	0	0	0	0	15,000	0	0	0	0	0	30,000	45,000
	Verified LTSC in 08	3/	0	0	0	0	0	15,000	0	0	0	0	0	30,000	45,000
	ICUA Developed in 08	4/	720	894	2,041	2,352	2,347	2,350	2,808	3,207	3,690	3,036	1,951	3,246	28,442
	Total ALTSC	5/	615,905	615,011	612,970	610,818	608,271	620,921	618,313	615,106	611,416	608,380	606,429	633,183	633,183

Footnotes:

- 1/ Accumulated Long-term Storage Credits verified by the banking entity before the beginning of the reporting year. Available for recovery by a specific entity with a valid SIRA. Requested Intentionally Created Unused Apportionment cannot exceed verified LTSC.
- 2/ Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200,000 af annually.
- 3/ In 2008 AWBA did not store any water in Arizona for SNWA or MWD.
- 4/ ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have certified this amount to be available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. Total recovery of ALTSC from AWBA can not exceed 100,000 af annually, due to a limitation defined under Arizona state law. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's and/or California's requested release. Nevada and/or California will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available.
- 5/ Accumulated Long-term Storage Credits are cumulative monthly sum of verified, or estimated LTSC.
- 6/ In 2004 MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, California will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California.
- 7/ This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the current year.
- 8/ LTSC banked in CAWCD's name that are recoverable by MWD under the CAWCD/MWD agreement of October 15, 1992, as amended by the CAWCD/AWBA/MWD amended letter agreement of December 11, 2007.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently divert or consumptively use Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements are now established for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003, by the Secretary of the Interior. Beginning in 2004, certain districts within California agreed in the CRWDA to begin paybacks to the Colorado River system according to the payback schedule set forth in Exhibit C of the CRWDA in the aggregate amount of accrued overruns for CY 2001 and 2002. The CRWDA permits advance payback.

Reclamation has also implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 *Federal Register* 12,201 (2004).

The following tabulation displays two items associated with inadvertent overruns and paybacks:

- 1) Identification of entitlement holders who have inadvertently overrun since January 1, 2008. The amount of the overrun repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account.
- 2) The quantity of paybacks made by California parties under Exhibit C of the CRWDA and the remaining balance in each Exhibit C payback account.

The table titled Exhibit C reproduces Exhibit C from the CRWDA for convenient reference.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2008
 STATE OF ARIZONA

08/01/09

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftnts		APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
GILA MONSTER FARMS	IOPP Overruns by Water User	Calendar Year Diversion	2	2008		
		Calendar Year Overrun - Div.	3	7,252	8,733	9,156
		Calendar Year Overrun - CU		0		
		BOY Overrun Account Balance - Div.	4	1,328		
		Validated Calendar Year Paybacks - Div.	5	423		
		EOY Overrun Account Balance - Div.	6	905		
		Account Balance as Percent of Entitlement		9.9%		

Footnotes:

- 1/ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
- 2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 4/ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
- 6/ The remainder of the IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE, AND CRWDA EXHIBIT C PAYBACK ¹
 CALENDAR YEAR 2008
 STATE OF CALIFORNIA

08/01/09

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftnts	TOTAL	APPROVAL	ENTITLEMENT
			2008			
IOPP Overruns by Individual Water Users						
IMPERIAL IRRIGATION DISTRICT	IOPP Overruns by Water User	Calendar Year CU	2/10	2,825,116	2,873,296	2,873,296
		Calendar Year Overrun - CU	3	0		
		BOY Overrun Account Balance	4	14,052		
		Validated Calendar Year Paybacks	5	16,197		
		EOY Overrun Account Balance	6	0		
		Account Balance as Percent of Entitlement		0.0%		
FORT MOJAVE INDIAN RESERVATION - CA	IOPP Overruns by Water User	Calendar Year Diversion	2	14,917	14,613	16,720
		Calendar Year Overrun - Div.	3	304		
		Calendar Year Overrun - CU		164		
		BOY Overrun Account Balance - Div.	4	6,710		
		Validated Calendar Year Paybacks - Div.	5	2,107		
		Validated Calendar Year Paybacks - CU		1,133		
		EOY Overrun Account Balance - Div.	6	4,907		
		Account Balance as Percent of Entitlement		29.3%		
			2008			
Payback of Exhibit C Obligations						
COACHELLA VALLEY WATER DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance	7	10,740		
		Calendar Year Paybacks	8	6,989		
		EOY Exhibit C Balance	9	3,751		

Footnotes:

1/ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.

2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.

3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.

4/ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

5/ Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.

In a letter dated June 25, 2009, Reclamation confirmed that IID conserved 16,218 af for IOPP repayment in 2008 (see Significant Documents). The amount of conservation has been adjusted to 16,197 af based on final records.

6/ The remainder of the IOPP overrun account balance as of the end of the accounting year.

7/ The beginning-of-year balance of CRWDA, Exhibit C payback obligations. This is equal to the prior year's end-of-year balance.

8/ Paybacks of CRWDA, Exhibit C obligations made to the Colorado River system during the current year. The minimum payback schedule is tabulated in Exhibit C of the CRWDA.

9/ End-of-year balance of CRWDA, Exhibit C payback obligations, determined by subtracting current year repayments from the beginning-of-year account balance.

10/ Construction of the Drop 2 Storage Reservoir, a System Efficiency Intentionally Created Surplus (ICS) project, began in 2008. Given the long-term benefits to the system provided by this project, system water is used for construction purposes. In 2008, IID delivered 181 acre-feet of system water to the Drop 2 Reservoir construction site along the All American Canal. Consequently, IID's 2008 entitlement was adjusted to 2,873,296 acre-feet reflecting the increase of 181af.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2008
 STATE OF NEVADA

08/01/09

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	Ftns	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users						
Southern Nevada Water Authority	IOPP Overruns by Water User	Calendar Year CU	2	269,654		
		Calendar Year Overrun - CU	3	5,016	264,638	264,638
		BOY Overrun Account Balance	4	312		
		Validated Calendar Year Paybacks	5	312		
		EOY Overrun Account Balance	6	5,016		
		Account Balance as Percent of Entitlement		1.9%		

Footnotes:

- 1/ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
- 2/ The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
- 3/ The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
- 4/ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
- 5/ Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
- 6/ The remainder of the IOPP overrun account balance as of the end of the accounting year.

Exhibit C of the Colorado River Water Delivery Agreement

Exhibit C: Payback Schedule of Overruns for Calendar Years 2001 and 2002

<i>Year</i>	<i>IID</i>	<i>CVWD</i>	<i>MWD</i>	<i>Total</i>
2004	18,900	9,100	11,000	39,000
2005	18,900	9,100	11,000	39,000
2006	18,900	9,100	11,100	39,100
2007	18,900	9,100	11,100	39,100
2008	18,900	9,200	11,100	39,200
2009	18,900	9,200	11,100	39,200
2010	19,000	9,200	11,100	39,300
2011	19,000	9,200	11,100	39,300
Cumulative	151,400	73,200	88,600	313,200

Note: Each district may, at its own discretion, elect to accelerate paybacks to retire its payback obligation before the end of the eight-year period ending in calendar year 2011. Each district's payback obligation is subject to acceleration in anticipation of a shortage in the Lower Colorado River Basin as provided for in section 8(b).

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are the interstate storage and release agreements, and the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback by users within the state of obligations under Exhibit C of the Colorado River Water Delivery Agreement or the IOPP, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2008.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
CALENDAR YEAR 2008

08/01/09

(ACRE-FEET)

STATE	ADJUSTMENTS	Ftns	ACTUAL USE
ARIZONA	Basic Apportionment	2	2,800,000
	System Conservation Water Created by YMIDD		(3,138)
	Intentionally Created Unused Apportionment for MWD		(28,442)
	Payback Obligations	4	(242)
	Total Available Colorado River Water	5	2,768,178
	Total Consumptive Use	6	2,752,497
	State Underrun or (Overrun)	7	15,681
CALIFORNIA	Basic Apportionment	2	4,400,000
	NV II(B)(6) Released to CA for Storage for NV	3	45,000
	Intentionally Created Unused Apportionment for MWD		28,442
	Delivery of Intentionally Created Surplus (MWD)	8	46,976
	LCWSP Under pumping (Over pumping)	9	200
	Water for construction of Drop 2 Storage Reservoir	10	181
	Payback of IOPP Overruns		(15,185)
	Payback Obligations (Exhibit C)	4	(6,989)
	Total Available Colorado River Water	5	4,498,625
	Total Consumptive Use	6	4,498,810
	State Underrun or (Overrun)	7	(185)
	Overruns by Individual CA Users		164
	Unauthorized Agricultural Use		21
Net State Underrun or (Overrun)		0	
NEVADA	Basic Apportionment	2	300,000
	Intentionally Created Surplus Available		9,638
	NV II(B)(6) Available for Storage	3	(45,000)
	Total Available Colorado River Water	5	264,638
	Total Consumptive Use	6	269,654
State Underrun or (Overrun)	7	(5,016)	
TOTAL LOWER BASIN UNUSED APPORTIONMENT			15,681

Footnotes:

- 1/ This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, payback obligations of individual water users, intentionally created unused apportionment, surplus, and system conservation.
- 2/ The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.
- 3/ Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona or California under the appropriate SIRA.
- 4/ The reduction in the amount of water available to the state due to repayment obligations under the CRWDA or the IOPP.
- 5/ The total amount of Colorado River water available for use in the state.
- 6/ The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
- 7/ The difference between the Colorado River water available to the state and the state's actual consumptive use.
- 8/ MWD took delivery of 34,000 acre-feet of System Conservation ICS and 12,976 acre-feet of Extraordinary Conservation ICS in 2008.
- 9/ Differences between actual LCWSP wellfield pumping and use of Colorado River water by LCWSP contractors are allowed to be carried over in a given year. In a year when an outstanding LCWSP balance is consumed, LCWSP users are allowed to consumptively use an amount of water greater than the amount pumped by the LCWSP wellfield to offset a previous year(s) overpumpage.
- 10/ Construction of the Drop 2 Storage Reservoir, a System Efficiency Intentionally Created Surplus (ICS) project, began in 2008. Given the long-term benefits to the system provided by this project, system water is used for construction purposes.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their contractual allocation. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and used by the Imperial Irrigation District (IID). IID will then forebear the use of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles (City) in annual amounts up to 3,500 acre-feet of the initial 8,000 acre-feet available. The contract with the City establishes a framework for the City to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) recommends whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City which then offers subcontracts.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of Project water under terms that the Secretary determines will benefit the interest of Project users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City and The Metropolitan Water District of Southern California (MWD), allowing Stage 1 of the Project to be pumped at capability, without jeopardizing the Project, allowing MWD to receive as much unused water as available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the Project or its replacement.

LOWER COLORADO WATER SUPPLY PROJECT
SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
CALENDAR YEAR 2008

		(ACRE-FEET)													
		08/01/09													
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LCWSP WELLFIELD PUMPAGE	1/	Total	751	652	700	545	291	535	593	712	736	729	587	519	7,350
LCWSP NON-FEDERAL CONTRACTORS	2/														
City of Needles (on its own behalf)		Diversions	29	32	39	48	58	62	66	70	55	46	51	126	682
		CU	17	21	28	31	37	46	49	48	38	32	22	22	391
Needles Subcontractors															
Havasu Water Company of California		Diversions	2	3	3	3	4	5	5	5	4	3	3	2	42
Vista del Lago Resort		Diversions	0	0	1	2	2	2	2	2	2	1	1	0	15
Pacific Gas & Electric Company		Diversions	12	15	21	22	28	33	36	35	28	23	16	16	285
Southern California Gas Company		Diversions	3	3	5	5	6	8	8	8	6	5	4	4	65
Needles Other Subcontractors		Diversions	13	16	22	23	28	35	38	36	28	24	17	16	296
		Total Diversions	30	37	52	55	68	83	89	86	68	56	41	38	703
		Meas'd Return	8	10	13	15	19	23	25	24	19	16	11	10	193
		Unm'd Return	6	8	10	11	14	17	18	17	14	11	8	7	141
		CU	16	19	29	29	35	43	46	45	35	29	22	21	369
TOTAL NON-FEDERAL USE	2/	Total CU	33	40	57	60	72	89	95	93	73	61	44	43	760
LCWSP PUMPING FOR NON-FEDERAL CONTRACTORS	3/														760
LCWSP FEDERAL CONTRACTORS															
BLM		Diversions	25	19	41	32	53	41	58	50	41	33	26	23	442
		Returns	6	4	10	8	13	10	15	12	10	8	7	5	108
TOTAL BLM USE	5/	CU	19	15	31	24	40	31	43	38	31	25	19	18	334
BALANCE FROM PREVIOUS YEARS - CONSUMED	4/														200
LCWSP PUMPING FOR BLM	3/														134
RECLAMATION - Parker Dam and Government Camp		Diversions	6	6	8	9	10	15	18	20	21	17	14	12	156
		Returns	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RECLAMATION USE	6/	CU	6	6	8	9	10	15	18	20	21	17	14	12	156
LCWSP PUMPING FOR RECLAMATION	3/														156
Total amount of Colorado River water use offset by LCWSP pumping															1,050
LCWSP WATER AVAILABLE TO MWD	7/														6,300

Footnotes:

1/ Non-Colorado River water pumped from the LCWSP wellfield and delivered into the AAC for use by IID.

IID forebears the diversion of this amount from the Colorado River to make water available for exchange by the LCWSP beneficiaries.

2/ LCWSP non-Federal contractor (City of Needles) and subcontractors - Colorado River water use exchanged with LCWSP water.

3/ The amount of LCWSP wellfield pumping exchanged for Colorado River water by the non-Federal LCWSP beneficiaries in 2008.

4/ Prior to 2007, pumpage from the wellfield was determined by the amount of water ordered by LCWSP beneficiaries. From the start of the LCWSP IID has pumped more water from the wellfield than was ordered and consumed from the Colorado River by LCWSP beneficiaries. The difference between the amount pumped and the amount consumed created a balance of unused LCWSP water.

All remaining balances by the Non-Federal LCWSP beneficiaries were consumed in 2007. In 2008 BLM consumed the remainder of its balance.

5/ Portion of the LCWSP allocated to the BLM. Colorado River water use exchanged with LCWSP accrued balance and wellfield pumpage.

6/ Portion of the LCWSP allocated to the Bureau of Reclamation. Colorado River water use exchanged with LCWSP wellfield pumpage.

7/ This is the total amount of water pumped from the wellfield minus wellfield pumpage for each of the other LCWSP participants.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division states has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events are depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2008.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use to the 2008 ISG Annual Target” demonstrates the impact of conservation and transfers on agricultural water use in California in 2008. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE TO THE 2008 ISG TARGET ¹
CALENDAR YEAR 2008

Uses by California Agricultural Entities	08/01/09 Ftns	Consumptive Uses Acre-Feet	Comments
Palo Verde Irrigation District		374,995	
Yuma Project Reservation Division		45,592	
Yuma Island Pumpers	2/	6,472	Yuma Island pumpers diversion was 11,700 af x 0.553 CU factor = 6,470 af of CU.
Priorities 1, 2, 3b		427,059	
CVWD		299,064	
IID		2,825,116	
Total California Agricultural Use		3,551,239	
MWD Adjustments for Priority 1, 2, and 3b use		(7,058)	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
IID IOPP Payback		14,052	
CVWD CRWDA Exhibit C Payback	3/	6,989	
MWD-CVWD Exchange		0	
IID and CVWD reductions for PPRs		14,500	IID = 11,500 af, CVWD = 3,000 af.
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs		3,579,722	
ISG Target Comparison			
2008 Agricultural Target		3,566,000	See Row 6, Column 23 of Exhibit B of the CRWDA
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs		3,579,722	
Total Target Overrun		13,722	
Priority 1, 2, and 3b Use Below or (Above) 420,000 af			
Palo Verde Irrigation District		374,995	
Yuma Project Reservation Division		45,592	
Yuma Island Pumpers	2/	6,472	
Total Priority 1, 2, 3b Use		427,059	
MWD reduction for Priority 1, 2, and 3b water use		7,059	Per Section 4.d of the CRWDA, MWD use is reduced by Priority 1, 2, and 3b use greater than 420,000 af.
Priority 1, 2, and 3b water delivered to MWD		0	Per Section 4.d of the CRWDA, Priority 1, 2, and 3b use less than 420,000 af is delivered to MWD.

Footnotes:

- 1/ Part XI, Section 5, Record of Decision of the Colorado River Interim Surplus Guidelines FEIS contain the adopted Interim Surplus Guidelines (ISG). Section 5 of the ISG contains benchmarks for aggregate California agricultural water use during each third year. Exhibit B (attached) to the CRWDA, column 22 references these ISG Benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the ISG Benchmarks. Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as all consumptive use of Priorities 1 through 3 plus 14,500 of PPR use, minus MWD adjustments for Priority 1 through 3 use above 420,000 af.
- 2/ Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; and is not an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.
- 3/ Repayment of overrun amounts does not count as compliance with transfers set forth in Ex. B of the CRWDA, per section 8.a of the CRWDA.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2008
 STATE OF ARIZONA

	08/01/09	(ACRE-FEET)												
TRANSFER PROGRAM OR PARTICIPATING AGENCIES	Ftnfs	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL

No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
CALENDAR YEAR 2008
STATE OF CALIFORNIA

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	08/01/09													TOTAL
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WATER CONSERVATION PROGRAM IID/MWD CONSERVED WATER	1/													105,000
MWD REDUCTION FOR CVWD USE - IID CONSERVATION	2/	1,359	1,227	1,359	1,315	1,359	1,315	1,359	1,359	1,315	1,359	1,315	1,359	16,000
IID CONSERVATION FOR TRANSFER TO SDCWA	3/	5,287	6,278	11,930	12,041	8,361	6,103	0	0	0	0	0	0	50,000
IID CONSERVATION FOR TRANSFER TO SDCWA - MITIGATION	4/	0	0	0	0	0	549	11,033	9,158	5,345	0	0	0	26,085
IID CONSERVATION FOR INTRA-PRIORITY TRANSFER TO CVWD	5/	0	141	524	697	811	805	906	116	0	0	0	0	4,000
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM	6/													94,303
ALL-AMERICAN CANAL LINING PROJECT - TOTAL CONSERVATION	7/	0	0	0	0	0	728	1,254	1,254	1,213	1,466	1,468	1,516	8,898
ALL-AMERICAN CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD	7/	0	0	0	0	0	604	1,040	1,040	1,007	1,217	1,218	1,258	7,385
ALL -AMERICAN CANAL LINING PROJECT SUPPLEMENTAL WATER - MWD	7/	0	0	0	0	0	0	0	0	0	0	0	1,513	1,513
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION	8/	2,364	2,148	2,364	2,288	2,364	2,288	2,364	2,364	2,288	2,364	2,288	2,364	27,850
COACHELLA CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD	8/	1,970	1,779	1,970	1,907	1,970	1,907	1,970	1,970	1,907	1,970	1,907	1,970	23,197
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL WATER - MWD	8/	381	357	381	369	381	369	381	381	369	381	369	381	4,500
COACHELLA CANAL LINING PROJECT - MITIGATION	8/	13	12	13	13	13	13	13	13	13	13	13	13	153

Notes: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B in this report.
Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available based upon its own schedule.

Footnotes:

- 1/ 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement, made available by IID for diversion in current year by MWD, reported as an annual total.
- 2/ MWD reduction for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program for use by CVWD.
This reduction occurs at CVWD's request in accordance with the 1989 Approval Agreement as amended.
- 3/ The CRWDA specifies required conservation by IID for transfer to SDCWA. This amount is found in Column 5 of Exhibit B of the CRWDA.
- 4/ The water exchanged with SDCWA for delivery by exchange to the Salton Sea for mitigation purposes, made available through conservation actions within IID.
- 5/ This is water conserved by IID under the Acquisition Agreement between IID and CVWD. The annual conservation amount is found in Column 8 of Exhibit B of the CRWDA.
- 6/ Annual PVID reduction in consumptive use through land fallowing as reported in Table 8 of the report produced jointly by Reclamation, PVID, and MWD entitled, "Calendar Year 2008 Fallowed Land Verification Report."
The value represents the estimated reduction in PVID consumptive use resulting from the fallowing of 14,607 acres of land for the months of January through July, and 25,947 acres for the months of August through December.
- 7/ Water conserved through the construction of a new concrete lined canal parallel to the unlined All-American Canal. The Secretarial Determination of water conserved by the lining of Reaches 2 and 3 of the project was issued in February 2009 (see Significant Documents). Water resulting from conservation was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD IID, SDCWA, and the SLRSP, dated October 10, 2003.
- 8/ Water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008 (see Significant Documents). Water resulting from conservation was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003 and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2008
 STATE OF NEVADA

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	08/01/09	(ACRE-FEET)											
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2008
 BUREAU OF RECLAMATION

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	08/01/09	(ACRE-FEET)												
	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YMIDD/USBR AGREEMENT FOR SYSTEM CONSERVATION	1	267	241	267	258	267	258	267	267	258	267	258	267	3,138
ARIZONA GROUND WATER PERMIT	2	2,123	1,918	2,123	2,055	2,123	2,055	2,123	2,123	2,055	2,123	2,055	2,123	25,000

Footnotes:

1/ Reclamation entered into a system conservation agreement with YMIDD to conserve water.

In 2008, 3,138 acre-feet of water created as a result of the YMIDD System Conservation Program remained in Lake Mead.

2/ In 2007, Reclamation was granted a permit to withdraw Arizona ground water for return credits to offset bypass flows to Mexico. The values shown represent the return flow credits earned pursuant to the permit.

EXHIBIT B

QUANTIFICATION AND TRANSFERS¹

In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
			IID Priority 3a										CVWD Priority 3a												
			Reductions										Reductions							Additions					
			¹⁰ ID Net Consumptive Use Amount (difference between column 3 and column 12)	³ ID Reduction: MMD 1988 Agreement Transfer	ID Reduction: SDCWA Transfer	⁴ ID Reduction: AAC Lining ID, SDCWA & SLR	^{5,6} ID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer ID/CVWD	⁶ ID Reduction: MWD Transfer with Salton Sea Restoration	⁸ ID Reduction: Conditional ISG Backfill	⁹ ID Reduction: Msc. PPRs	ID Reductions: Total Amount (sum of columns 4 through 11)		CVWD Priority 3a Quantified Amount	⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Msc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer ID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD	CVWD Net Consumptive Use Amount (columns 14-17 plus column 18 + 19)	Total Priority 1-3 Use Plus PFR Consumptive Use (sum of columns 2+13+20 plus 11+16)	¹² ISG Benchmarks	¹² Annual Targets		
Calendar Year	² Priority 1, 2 and 3b	ID Priority 3a Quantified Amount																							
1	2003	420	3,100	110	10	0	5	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740		
2	2004	420	3,100	110	20	0	10	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707		
3	2005	420	3,100	110	30	0	15	0	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674		
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640		
5	2007	420	3,100	110	50	0	25	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603		
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566		
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530		
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510		
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490		
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470		
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462		
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455		
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448		
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440		
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3				
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3				
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3				
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8				
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3				
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8				
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3				
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3				
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3				
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
	2038-2047 ¹³	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3				
	2048-2077 ¹⁴	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3				

1 Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.

2 Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.

3 IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.

4 Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.

5 Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.

6 Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent.

7 MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.

8 IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 9 up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.

10 For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.

11 For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).

12 All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.

13 Assumes SDCWA does not elect termination in year 35.

14 Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
 Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

INTENTIONALLY CREATED SURPLUS WATER

On December 13, 2007, the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (Interim Guidelines) was signed. Section 3, pages 38-43 of the Interim Guidelines contains the policies and guidelines concerning the categories of, creation, delivery, and accounting for Intentionally Created Surplus (ICS) water.

Prior to the signing of the Interim Guidelines, Reclamation had in 2006, entered into letter agreements with the Imperial Irrigation District and The Metropolitan Water District of Southern California to implement a demonstration program for the development of ICS. The demonstration program covered the creation of ICS water during calendar years 2006 and 2007. "ICS water" in this program referred to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona v. California*, 547 U.S. 150 (2006) (Consolidated Decree) as Intentionally Created Surplus. The demonstration program required the creation of ICS water through extraordinary conservation. Beginning in 2008, the creation and use of ICS water is governed by the Interim Guidelines.

Under the Interim Guidelines four types of ICS water may be created by an approved contractor: Extraordinary Conservation ICS, Tributary Conservation ICS, System Efficiency ICS, and Imported ICS. Also stipulated in the Interim Guidelines are the limits as to how much ICS water of each type may be created each year and in total, as well as how much ICS water may be delivered by the Secretary each year.

The following conditions apply to ICS water:

- 1) During the year of creation, and with the exception of System Efficiency ICS, five percent of the ICS water created will be dedicated to system storage to provide a collective storage benefit for Colorado River users,
- 2) An annual evaporation loss of three percent will be applied to the remaining ICS water beginning the year after its creation,
- 3) Under flood control releases ICS water will be the first released, and
- 4) If the conserving entity incurs an overrun during a year when ICS water is to be created, the ICS creation will be reduced by the amount of the overrun, up to the amount of ICS proposed.

The Secretary is responsible for approving plans for the creation of ICS water, allowing for their modification, and developing procedures to account for and verify ICS creation and delivery.

Copies of the demonstration program agreements and the Interim Guidelines can be found in the Significant Documents section of the report.

INTENTIONALLY CREATED SURPLUS BALANCES
BY STATE, USER AND TYPE OF ICS
CALENDAR YEAR 2008

State	User	ICS Type	Year	8/1/09 (ACRE-FEET)						
				BOY Balance	Creation ²	IOPP Payback ³	System Benefit ⁴	Evaporation Loss ⁵	Diversion ⁶	EOY Balance ⁷
Note: Rows hi-lighted to improve readability only.										
ARIZONA										
	CAP	System Efficiency	2008	0	100,000	0	NA	NA	0	100,000
CALIFORNIA										
	MWD	Extraordinary Conservation (Demonstration Prog.) ¹	2006	0	50,000	7,619	2,119	0	0	40,262
			2007	40,262	2,382	0	119	1,127	0	41,398
			2008	41,398	0	0	0	853	12,976	27,569
	MWD	System Efficiency	2008	0	100,000	0	NA	NA	34,000	66,000
	IID	Extraordinary Conservation	2006	0	1,000	1,000	0	0	0	0
NEVADA										
	SNWA	Tributary Conservation	2008	0	10,457	312	507	0	9,638	0
	SNWA	System Efficiency	2008	0	400,000	0	NA	NA	0	400,000

Footnotes:

- 1 In 2006, Reclamation entered into separate agreements with MWD and IID to implement a demonstration program to create Extraordinary Conservation Intentionally Created Surplus (ICS) during 2006 and 2007. The agreements define the terms that allow MWD and/or IID to store conserved water in Lake Mead and are available for review in the Significant Documents portion of this report.
- 2 The amount of ICS water created by the contractor during the calendar year. SNWA's Tributary Conservation ICS is provisional pending Reclamation final verification.
- 3 In accordance with Section 3.C.7 of the Interim Surplus Guidelines for the Operation of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. The contractor's ICS account shall be reduced by the full overrun payback balance before the amount of ICS credits available to the contractor is calculated.
- 4 During the year of creation, five percent of the ICS water created will be dedicated to storage in the Colorado River system reservoirs.
- 5 Under the Demonstration Program, the balance of the ICS water shall be subject to an evaporation loss of 2.8 percent in the year following the creation of ICS water. Beginning in calendar year 2008, the evaporation loss factor is 3.0 percent, per the Interim Guidelines.
- 6 Diversion of ICS balance.
- 7 The EOY balance of ICS water including creation and reductions taking place in the accounting year.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2008

These documents provide the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2008.

The compact disc (CD) located in the pocket on the back cover of this report contains the documents significant to the delivery of Colorado River water in 2008. These electronically filed documents are in searchable Acrobat® (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms on page one of this report. Anyone desiring additional water accounting information is encouraged to log on to the following website, where all previous water accounting reports can be viewed and the complete PDF file may be downloaded: www.usbr.gov/lc/region/g4000/wtracct.html.

RECORDS OF DECISION

Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead

- CD file name: 2008 ROD Interim Guidelines-Shortages-Coordinated Operations

REPORTS:

2008 Annual Operating Plan (AOP) Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2008 given current and anticipated conditions.

- CD file name: 2008 AOP Executive Summary

2008 Report on Southern Nevada Water Authority Interstate Account

Details the amount of water stored by MWD for SNWA from CY 2004 through CY 2008.

- CD file name: MWD-BR Report on SNWA Interstate Account 2009-02-24

2008 Annual Data Report to Transport Groundwater Withdrawn from the Yuma Groundwater Basin

Annual report from Reclamation informing ADWR of the amount of groundwater that was withdrawn from the Yuma Groundwater Basin and transported to the Colorado River for the benefit of the United States in CY 2008.

- CD file name: 2008 Annual Groundwater Transportation Report 2009-03-30

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2008 (cont.)

AGREEMENTS:

Demonstration Program for System Conservation of Colorado River Water

An agreement between YMIDD and Reclamation to conserve 3,500 acre-feet of Colorado River water in 2008 through voluntary supplemental fallowing within YMIDD boundaries.

- CD file name: 2008 BR to YMIDD System Conservation Agreement

INTENTIONALLY CREATED SURPLUS PLANS:

SNWA's plan of creation of Tributary Conservation Intentionally Created Surplus (ICS) for calendar years 2008-2009

A plan for the creation of Tributary Conservation ICS for calendar years 2008-2009 by SNWA

- CD file name: SNWA ICS Plan 2008 – 2009

LETTERS:

ADWR's approval for the multi-year permit no. 30.001 which allows Reclamation to withdraw and transport up to 25,000 acre-feet of groundwater from the Yuma Basin

- CD file name: ADWR to BR Permit to Transport Groundwater 2007-03-01

A letter from ADWR to Reclamation authorizing Reclamation to withdraw and transport 25,000 acre-feet of groundwater from the Yuma Basin in Calendar Year 2008

- CD file name: 2008 ADWR Approval of BR's GW Permit Application 2007-10-24

A letter from MWD to CAWCD requesting to recover 25,000 acre-feet of ICUA in 2008

- CD file name: 2008 MWD-CAWCD Request to Recover Interstate Underground Storage Credits 2007-06-27

A letter from AWBA to Reclamation concerning accounting requirements for development and recovery of ICUA in 2008 for MWD

- CD file name: 2008 AWBA to BR Response to MWD ICUA Recovery Request 2007-12-20

A letter from AWBA to Reclamation revising its schedule for recovery and development of ICUA in 2008 for MWD
Unused Apportionment (ICUA) in 2008 for MWD

- CD file name: 2008 AWBA to BR Revised ICUA Estimate for MWD 2008-12-23

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2008 (cont.)

LETTERS:

A letter from AWBA to Reclamation verifying the amount of water stored in Arizona for Nevada under the SIRA for 2008.

- CD file name: 2008 AWBA to BR Verified Interstate Storage Credits 2009-04-15

A letter from ABWA to Reclamation verifying the amount of ICUA recovered for MWD for 2008.

- CD file name: 2008 AWBA ICUA Verification 2009-06-17

A letter from SNWA to MWD requesting MWD to store 15,000 acre-feet of Nevada unused apportionment

- CD file name: 2008 SNWA to MWD Request to Store NV Unused Apportionment 2008-02-12

A letter from MWD to Reclamation and SNWA indicating its ability to store 15,000 acre-feet of Nevada unused apportionment

- CD file name: 2008 MWD Availability to Store NV Unused Apportionment 2008-03-10

A letter from Reclamation to CRC authorizing the storing of 15,000 acre-feet of Nevada unused apportionment with MWD

- CD file name: 2008 BR to CRC Approval to Store NV Unused Apportionment with MWD 2008-05-14

A letter from SNWA to MWD requesting MWD to store 30,000 acre-feet of Nevada unused apportionment

- CD file name: 2008 SNWA to MWD Request to Store NV Unused Apportionment 2008-10-09

A letter from MWD to Reclamation and SNWA indicating its ability to store 30,000 acre-feet of Nevada unused apportionment

- CD file name: 2008 MWD Availability to Store NV Unused Apportionment 2008-10-27

A letter from Reclamation to MWD confirming MWD's ability to store 30,000 acre-feet of Nevada unused apportionment

- CD file name: 2008 BR to MWD Confirmation to Store NV Unused Apportionment 2008-12-09

A letter from Reclamation to SNWA authorizing the storing of 30,000 acre-feet of Nevada unused apportionment with MWD

- CD file name: 2008 BR to SNWA Approval to Store NV Unused Apportionment with MWD 2008-12-09

A letter from MWD that provides the final accounting for all Nevada unused apportionment stored by MWD for calendar years 2004 through 2008

- CD file name: 2008 MWD Report on SNWA Interstate Storage Account 2009-02-24

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2008 (cont.)

LETTERS:

A letter from Reclamation to the Bard Water District terminating water deliveries to Ranch 5 of the Yuma Project, Reservation Division, Indian Unit – Fort Yuma Indian Reservation, Quechan Indian Tribe

- CD file name: 2008 Termination of Water Deliveries to Ranch 5 2008-07-31

A letter from SNWA declaring its intent to create and deliver Tributary Conservation ICS water in 2008

- CD file name: 2008 SNWA Letter of Intent to Create and Deliver ICS 2008-02-20

A letter from Reclamation to SNWA approving its ICS Plan for 2008 and 2009

- CD file name: BR to SWNA Approval of 2008-2009 ICS Plan 2008-12-09

A letter from SNWA indicating that it had received executed copies of the Election to Participate in the Drop 2 Funding Agreement from MWD and CAWCD

- CD file name: 2008 SNWA-BR MWD and CAWCD Drop 2 Funding Participation 2008-05-12

A letter from Reclamation to CVWD detailing the amount of water conserved by the lining of the Coachella Canal and how the conserved water will be allocated

- Interim Determination of Water Conserved by the CCLP 2008-01-30

A letter from Reclamation to CVWD detailing the amount of water conserved by the lining of Reaches 2 and 3 of the All-American Canal and how the conserved water will be allocated

- Interim Determination of Water Conserved by Reaches 2 and 3 AACLP 2009-02-06

A letter from Reclamation to IID validating the amount of water conserved in 2008 through extraordinary measures to repay Inadvertent Overruns incurred in calendar year 2006 and 2007.

- 2008 IID IOPP Validation 2009-06-25

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2008 (cont.)

LETTERS:

A letter from Reclamation to Gila Monster Farms validating the amount of water conserved in 2008 through extraordinary measures to repay Inadvertent Overruns incurred in calendar year 2006.

- 2008 GMF IOPP Validation 2009-06-25

A letter from Reclamation to the Fort Mojave Tribe validating the amount of water conserved in 2008 through extraordinary measures in California to repay Inadvertent Overruns incurred in calendar year 2006.

- 2008 CA Fort Mojave Tribe IOPP Validation 2009-06-25

A letter from Reclamation to CVWD validating the amount of water conserved by CVWD in 2008 to payback its CRDWA Exhibit C obligation.

- 2008 BR to CVWD Exh C payback 2009-06-25

MAPS:

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations.

- CD file name: USGS Pump Maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2009



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2009

Prepared by

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

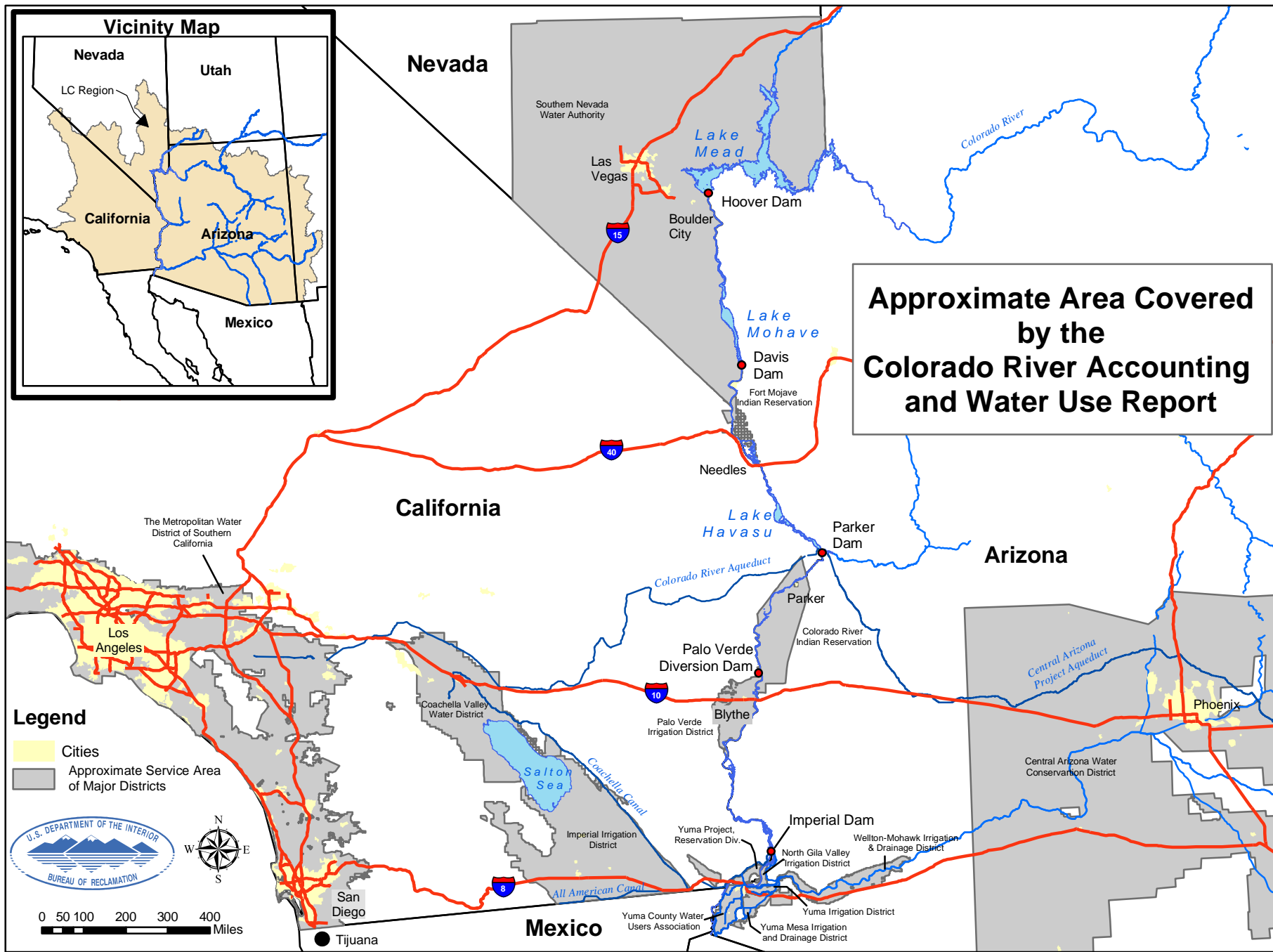


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Acronyms and Abbreviated Terms

These acronyms and abbreviations are found in the text, footnotes, and headings within this document

AAC	All-American Canal	Ftnts	Footnotes
AACLP	All-American Canal Lining Project	FYIR	Fort Yuma Indian Reservation
af	acre-feet	GGMC	Gila Gravity Main Canal
ADP	Arizona diesel pump	ICUA	intentionally created unused apportionment
ADW	Arizona diesel well	I.D.D.	irrigation and drainage district
AEP	Arizona electric pump	IBWC	International Boundary and Water Commission
AEW	Arizona electric well	ICS	Intentionally Created Surplus
ALTSC	accumulated long term storage credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOPP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	ISG	Colorado River Interim Surplus Guidelines
ASLD	Arizona State Land Department	IUS	Interstate Underground Storage credits
Assn.	Association	kaf	kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning of year	LLC	Limited Liability Company
BR	Bureau of Reclamation	LTD	Limited
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CCLP	Coachella Canal Lining Project	MWD	The Metropolitan Water District of Southern California
CDP	California diesel pump	MOD	Main Outlet Drain
CDW	California diesel well	MODE	Main Outlet Drain Extension
CDEW	California diesel electric well	MEAS	Measured
CEP	California electric pump	M&I	municipal and industrial
CEW	California electric well	NWR	National Wildlife Refuge
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CO	Colorado	PG & E	Pacific Gas and Electric Company
CR	Colorado River	PVID	Palo Verde Irrigation District
CRBC	Colorado River Board of California	QSA	Quantification Settlement Agreement
CRCN	Colorado River Commission of Nevada	Res	Reservation
CRIT	Colorado River Indian Tribes	SCE	Southern California Edison Company
CRWDA	Colorado River Water Delivery Agreement	SIB	Southerly International Boundary
CU	consumptive use	SIRA	Storage and Interstate Release Agreement
CVWD	Coachella Valley Water District	SDCWA	San Diego County Water Authority
CY	calendar year	SLRSP	San Luis Rey Settlement Parties
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	USGS	United States Geological Survey
Div	diversion	UNMEAS	unmeasured
DPOC	drainage pump outlet channel	YAO	Yuma Area Office (Reclamation)
ET	evapotranspiration	YFO	Yuma Field Office (BLM)
EOY	end of year	YID	Yuma Irrigation District
FEIS	Final Environmental Impact Statement	YMIDD	Yuma Mesa Irrigation and Drainage District

S U M M A R Y
 COLORADO RIVER ACCOUNTING AND WATER USE REPORT
 CALENDAR YEAR 2009

5/10/10

(ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY														
ARIZONA	224,567	211,406	299,532	315,553	310,422	211,181	214,504	195,691	245,512	220,313	201,049	181,982	2,831,711	
CALIFORNIA	267,120	244,172	443,569	481,260	463,414	420,202	449,168	409,533	360,987	288,152	292,636	237,860	4,358,074	
NEVADA	9,294	9,161	17,674	20,786	33,396	25,430	30,538	30,662	22,397	25,024	15,039	9,212	248,613	
TOTAL CONSUMPTIVE USE, LOWER DIVISION STATES	500,981	464,739	760,775	817,599	807,232	656,813	694,210	635,886	628,896	533,489	508,723	429,054	7,438,398	
TO MEXICO IN SATISFACTION OF TREATY ¹	119,428	152,979	208,455	199,629	112,754	112,353	118,342	92,284	89,307	72,742	102,966	118,761	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE NO. 242 OF THE IBWC	10,024	9,433	10,164	9,702	10,422	9,645	9,525	6,621	10,286	11,572	12,548	4,829	114,771	
TO MEXICO IN EXCESS OF TREATY	1,676	9,578	558	5,927	9,636	1,216	1,689	8,934	3,968	4,333	1,365	16,043	64,923	
TOTAL CU, LOWER DIVISION STATES AND DELIVERIES TO MEXICO ²	632,109	636,729	979,952	1,032,857	940,044	780,027	823,766	743,725	732,457	622,136	625,602	568,687	9,118,092	
LCWSP WELLFIELD PUMPING SUMMARY ³														
NON-FEDERAL	357	287	0	65	283	174	257	334	321	330	397	449	3,253	
FEDERAL	47	38	0	9	37	23	34	44	42	44	53	59	431	
TOTAL	404	325	0	74	320	197	291	378	363	374	450	508	3,684	
RESERVOIR CONTENTS SUMMARY														
	EOY 2008	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
LOWER BASIN TOTAL STORAGE ⁴	14,639	14,774	14,762	14,376	13,901	13,547	13,330	13,214	13,191	12,998	12,947	12,994	13,312	-1,327
LOWER BASIN STORAGE PLUS LAKE POWELL ⁵	28,179	27,929	27,701	27,149	26,748	28,298	29,391	29,353	28,900	28,462	28,197	27,970	27,746	-433
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL	53.5%	53.1%	52.6%	51.6%	50.8%	53.8%	55.8%	55.8%	54.9%	54.1%	53.6%	53.1%	52.7%	
OFFSTREAM INTERSTATE STORAGE SUMMARY														
		BOY Balance		2009 Storage		2009 Recovered		EOY Balance						
WATER STORED IN AZ FOR THE BENEFIT OF NV AND CA ⁶	NEVADA		527,520		54,892		0	582,412						
	CALIFORNIA		35,663		0		27,504	8,159						
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV ⁷	NEVADA		70,000		0		0	70,000						

Note: Each section of this report and each sub-section within a section, has an independant sequence of footnotes.

Footnotes:

1. Deliveries to Mexico to satisfy treaty obligations.
2. Sum of Total Consumptive Use in the Lower Division States, Deliveries to Mexico in Satisfaction of Treaty, Water Bypassed Pursuant to Minute No. 242 of the IBWC and water passing to Mexico in excess of treaty obligations.
3. Pumpage of Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.
4. Sum of end-of-month storage in Lower Basin Lakes Mead, Mohave, and Havasu. Values displayed are in thousands of acre-feet.
5. Sum of end-of-month storage in Upper Basin Lake Powell and Lower Basin Lakes Mead, Mohave, and Havasu. Values displayed are in thousands of acre-feet.
6. The value 54,892 acre-feet is provisional until verified by the Arizona Water Banking Authority. 51,387 acre-feet of the displayed value is Nevada unused apportionment and any remaining water is Arizona apportionment.
7. In 2004 MWD, SNWA, CRCN, and the Secretary of the Interior entered into a Storage and Interstate Release Agreement to allow MWD to divert and store water for the benefit of SNWA.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2009

	(THOUSAND ACRE-FEET ¹)												CY CHANGE ²		
	5/10/10	EOY 2008	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV	DEC
END OF MONTH ACTIVE CONTENTS															
LAKE POWELL		13,541	13,155	12,938	12,774	12,858	14,751	16,061	16,138	15,710	15,463	15,251	14,976	14,434	893
PERCENTAGE OF POWELL ACTIVE STORAGE ³		55.7%	54.1%	53.2%	52.5%	52.9%	60.6%	66.0%	66.4%	64.6%	63.6%	62.7%	61.6%	59.3%	
LAKE MEAD		12,496	12,572	12,539	12,164	11,604	11,217	11,071	10,978	10,938	10,933	10,897	10,919	11,162	-1,334
LAKE MOHAVE		1,585	1,647	1,679	1,655	1,702	1,736	1,669	1,654	1,669	1,501	1,469	1,502	1,582	-3
LAKE HAVASU		558	555	544	557	595	594	590	582	584	564	581	573	568	10
STORAGE IN LOWER BASIN ⁴		14,639	14,774	14,762	14,376	13,901	13,547	13,330	13,214	13,191	12,998	12,947	12,994	13,312	-1,327
PERCENTAGE OF CO RIVER ACTIVE STORAGE IN THE LOWER BASIN ⁵		51.7%	52.2%	52.2%	50.8%	49.1%	47.9%	47.1%	46.7%	46.6%	45.9%	45.7%	45.9%	47.0%	
LOWER BASIN STORAGE PLUS LAKE POWELL ⁶		28,179	27,929	27,701	27,149	26,758	28,298	29,391	29,353	28,900	28,462	28,197	27,970	27,746	-433
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL ⁷		53.5%	53.1%	52.6%	51.6%	50.8%	53.8%	55.8%	55.8%	54.9%	54.1%	53.6%	53.1%	52.7%	
TOTAL SYSTEM STORAGE ⁸		33,325	33,001	32,726	32,201	31,974	33,943	35,516	35,506	34,839	34,216	33,804	33,502	33,143	-182
PERCENTAGE OF TOTAL SYSTEM STORAGE ⁹		56.1%	55.6%	55.1%	54.2%	53.8%	57.2%	59.8%	59.8%	58.7%	57.6%	56.9%	56.4%	55.8%	

Note: For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

Footnotes:

- Actual values may differ slightly from the displayed values due to rounding and being displayed to the nearest thousand acre-feet.
- "CY CHANGE" is the difference in the end-of-month storage between the end of December of the previous year and the end of December for the reporting year.
A positive value represents an increase in the amount of water in storage, and a negative value indicates a decrease in the amount of water in storage.
- Percentage of total active storage capacity available in Lake Powell. Based on total active storage capacity of 24,322,000 af.
- The sum of end-of-month storage in Lakes Mead, Mohave, and Havasu.
- The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on active storage capacity of 28,306,000 af.
- The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).
- The percentage of available total active storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on total active storage capacity of 52,628,000 af.
- Total end-of-month system storage, includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River system.
- The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total active system storage capacity of 59,383,000 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

V. In accordance with Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulation, for calendar year 2009, shows the final records for release of water through regulatory structures controlled by the United States. Releases from Glen Canyon and Hoover Dams are measured and reported by Reclamation. The Davis, Parker, Palo Verde, Imperial, and Laguna Dams records of release are furnished by the USGS and are based upon measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversions for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

STRUCTURE	CALENDAR YEAR 2009												TOTAL	
	5/10/10	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
GLEN CANYON DAM		802,363	601,810	625,891	603,976	582,235	664,195	802,917	802,179	598,025	619,866	691,805	901,175	8,296,437
HOOVER DAM		741,367	679,063	1,036,512	1,174,212	977,421	749,584	839,933	801,257	574,402	612,610	648,128	645,629	9,480,118
DAVIS DAM		704,500	665,800	1,085,000	1,145,000	984,400	858,900	924,700	845,000	801,100	682,300	655,200	592,700	9,944,600
PARKER DAM		381,300	405,500	744,700	806,700	669,400	610,800	676,900	600,900	517,100	471,200	360,900	290,000	6,535,400
HEADGATE ROCK DAM ¹		344,110	375,210	682,550	737,680	593,380	542,170	604,220	528,130	458,580	429,830	333,000	268,350	5,897,210
PALO VERDE DIVERSION DAM		309,700	328,300	636,900	685,500	504,500	437,000	485,900	432,000	386,900	360,900	302,600	258,700	5,228,500
IMPERIAL DAM ²		23,820	33,660	42,810	55,860	34,610	21,090	19,050	25,850	18,490	23,890	24,970	25,980	350,080
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		430	395	566	476	574	525	590	587	596	560	474	491	6,264
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		24,250	34,055	43,376	56,336	35,184	21,615	19,640	26,437	19,086	24,450	25,444	26,471	356,344
LAGUNA DAM		43,270	25,760	28,560	25,620	31,720	24,000	33,020	60,790	42,900	33,390	35,090	44,280	428,400

Note: All data is supplied by the USGS with the exception of the releases from Glen Canyon Dam and Hoover Dam, which are provided by Reclamation.

Footnotes:

1. Computed as Parker Dam release minus diversion at Headgate Rock Dam.
2. Represents flow below Imperial Dam alone and does not include diversions through the All-American Canal and the Gila Gravity Main Canal.

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH
ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT
IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2009 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished by the U.S. Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam, were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each state. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream, and consumptive use are listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For USGS reported wells and pumps, the diversions are assumed to be equal to six acre-feet per irrigated acre of land per year.

Unmeasured returns are computed by multiplying a user's diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice an error or omission, please report it to the contact person listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF ARIZONA

5/10/10		(ACRE-FEET)												
WATER USER	Ftrts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1
LAKE MEAD NATIONAL RECREATION AREA, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	6	2	4	8	10	8	17	23	18	18	7	2	123
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	6	2	4	8	10	8	17	23	18	18	7	2	123
LAKE MEAD NATIONAL RECREATION AREA, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION	9	7	11	12	13	14	21	21	21	18	11	11	169
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	9	7	11	12	13	14	21	21	21	18	11	11	169
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	1	20	1	2	35	38	25	3	9	3	2	2	141
	MEAS. RETURNS	1	19	1	1	35	38	25	3	9	3	2	2	139
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	1	0	1	0	0	0	0	0	0	0	0	2
BULLHEAD CITY WELLS	DIVERSION	665	597	704	784	939	947	998	1,030	933	983	758	663	10,001
MOHAVE CO. PARKS DIVERSION AT DAVIS DAM	DIVERSION	5	5	5	10	13	13	15	15	13	10	17	8	129
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	221	199	234	262	314	317	334	345	312	328	256	221	3,343
	CONSUMPTIVE USE	449	403	475	532	638	643	679	700	634	665	519	450	6,787
MOHAVE WATER CONSERVATION DISTRICT WELLS	DIVERSION	61	59	65	78	76	96	101	92	86	84	69	68	935
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	20	19	21	26	25	32	33	30	28	28	23	22	307
	CONSUMPTIVE USE	41	40	44	52	51	64	68	62	58	56	46	46	628
BROOKE WATER LLC RIVER PUMP	DIVERSION	29	26	31	32	38	42	48	41	35	34	30	24	410
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	10	9	10	11	13	14	16	14	12	11	10	8	138
	CONSUMPTIVE USE	19	17	21	21	25	28	32	27	23	23	20	16	272
MOHAVE VALLEY I.D.D. WELLS AND RIVER PUMP	DIVERSION	888	1,553	1,872	2,596	2,902	3,344	4,047	3,794	3,290	2,542	1,339	890	29,057
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	408	714	861	1,194	1,335	1,538	1,862	1,745	1,513	1,169	616	409	13,364
	CONSUMPTIVE USE	480	839	1,011	1,402	1,567	1,806	2,185	2,049	1,777	1,373	723	481	15,693
FORT MOJAVE INDIAN RESERVATION AGRICULTURAL - RIVER PUMPS	DIVERSION	1,811	3,399	6,171	4,862	7,526	10,196	11,451	7,855	4,021	3,721	2,124	906	64,043
DOMESTIC - WELLS	DIVERSION	225	248	208	118	249	175	344	347	374	176	138	132	2,734
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	937	1,678	2,934	2,291	3,577	4,771	5,426	3,773	2,022	1,793	1,041	477	30,720
	CONSUMPTIVE USE	1,099	1,969	3,445	2,689	4,198	5,600	6,369	4,429	2,373	2,104	1,221	561	36,057
GOLDEN SHORES WATER CONSERVATION DISTRICT WELLS	DIVERSION	20	24	33	36	44	53	59	56	45	37	26	25	458
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	7	8	11	12	15	17	19	18	15	12	9	8	151
	CONSUMPTIVE USE	13	16	22	24	29	36	40	38	30	25	17	17	307
HAVASU NATIONAL WILDLIFE REFUGE INLET CANAL	DIVERSION	970	1,480	6,471	6,891	3,762	2,805	3,171	2,902	2,600	803	728	258	32,841
FARM DITCH	DIVERSION	0	0	869	1,323	658	419	562	435	476	165	167	31	5,105
WELL	DIVERSION	10	11	15	17	20	25	27	26	20	17	12	12	212
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	862	1,312	6,472	7,243	3,907	2,859	3,309	2,959	2,724	867	798	265	33,577
	CONSUMPTIVE USE	118	179	883	988	533	390	451	404	372	118	109	36	4,581

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF ARIZONA

5/10/10		(ACRE-FEET)												
WATER USER	Fmts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1
LAKE HAVASU CITY WELLS														
	DIVERSION	1,068	907	1,191	1,205	1,528	1,477	1,731	1,605	1,451	1,437	1,117	966	15,683
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	406	345	453	458	581	561	658	610	551	546	424	367	5,960
	CONSUMPTIVE USE	662	562	738	747	947	916	1,073	995	900	891	693	599	9,723
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU														
	DIVERSION	171,343	162,340	180,297	172,325	164,730	93,568	74,956	70,375	143,343	133,109	143,938	149,484	1,659,808
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	171,343	162,340	180,297	172,325	164,730	93,568	74,956	70,375	143,343	133,109	143,938	149,484	1,659,808
TOWN OF PARKER PUMPED FROM RIVER WELL														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	53	46	63	66	86	83	91	93	84	70	57	51	843
	UNMEAS. RETURNS	24	23	25	23	24	25	28	29	29	29	23	23	305
	CONSUMPTIVE USE	15	13	18	19	25	24	26	27	24	20	16	15	242
	CONSUMPTIVE USE	14	10	20	24	37	34	37	37	31	21	18	13	296
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 RIVER PUMPS AND DOMESTIC														
	DIVERSION	37,190	30,290	62,150	69,020	76,020	68,630	72,680	72,770	58,520	41,370	27,900	21,650	638,190
	DIVERSION	524	611	832	895	1,103	1,294	1,413	1,370	1,099	925	671	653	11,390
	MEAS. RETURNS	14,521	14,135	16,848	18,468	20,194	19,031	18,637	19,342	18,555	18,726	16,650	17,245	212,352
	UNMEAS. RETURNS	2,074	1,700	3,464	3,845	4,242	3,846	4,075	4,078	3,279	2,326	1,571	1,227	35,727
	CONSUMPTIVE USE	21,119	15,066	42,670	47,602	52,687	47,047	51,381	50,720	37,785	21,243	10,350	3,831	401,501
EHRENBERG IMPROVEMENT ASSOCIATION PUMPED FROM RIVER														
	DIVERSION	27	23	30	33	38	39	45	45	43	37	34	26	420
	MEAS. RETURNS	3	3	3	3	3	3	4	5	4	3	1	2	37
	UNMEAS. RETURNS	8	7	9	9	11	11	13	13	12	11	10	7	121
	CONSUMPTIVE USE	16	13	18	21	24	25	28	27	27	23	23	17	262
CIBOLA VALLEY CIBOLA VALLEY I.D.D. MOHAVE COUNTY WATER AUTHORITY HOPI TRIBE ARIZONA RECREATIONAL FACILITIES ARIZONA GAME AND FISH COMMISSION														
	DIVERSION	389	903	1,145	410	1,472	1,204	1,041	1,220	1,067	767	557	421	10,596
	DIVERSION	101	236	307	369	635	449	538	713	465	236	126	103	4,278
	DIVERSION	0	452	567	609	776	401	530	578	474	265	201	93	4,946
	DIVERSION	0	186	175	199	289	398	352	453	311	133	110	72	2,678
	DIVERSION	85	198	257	310	533	376	451	598	390	198	106	86	3,588
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	164	563	699	541	1,056	806	830	1,015	771	456	314	221	7,436
	CONSUMPTIVE USE	411	1,412	1,752	1,356	2,649	2,022	2,082	2,547	1,936	1,143	786	554	18,650
CIBOLA NATIONAL WILDLIFE REFUGE 3 RIVER PUMPS														
	DIVERSION	568	1,101	1,420	1,264	1,900	1,995	1,688	1,348	1,438	1,020	1,790	964	16,496
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	216	418	540	480	722	758	641	512	546	388	680	366	6,267
	CONSUMPTIVE USE	352	683	880	784	1,178	1,237	1,047	836	892	632	1,110	598	10,229
IMPERIAL NATIONAL WILDLIFE REFUGE 4 RIVER PUMPS														
	DIVERSION	93	80	61	73	154	261	166	112	149	106	39	178	1,472
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	35	30	23	28	59	99	63	43	57	40	15	68	560
	CONSUMPTIVE USE	58	50	38	45	95	162	103	69	92	66	24	110	912
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS														
	DIVERSION	1	0	2	1	3	1	1	3	1	0	0	2	15
	DIVERSION	27	23	31	35	76	85	92	77	91	37	52	32	658
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	28	23	33	36	79	86	93	80	92	37	52	34	673
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM														
	DIVERSION	589	431	949	929	1,108	703	442	543	650	864	495	373	8,076
	MEAS. RETURNS	48	35	58	19	51	53	22	36	95	38	19	15	489
	UNMEAS. RETURNS	224	164	361	353	421	267	168	206	247	328	188	142	3,069
	CONSUMPTIVE USE	317	232	530	557	636	383	252	301	308	498	288	216	4,518

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF ARIZONA

		5/10/10	(ACRE-FEET)											
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1
WELLTON-MOHAWK I. D. D.														
DIVERSION AT IMPERIAL DAM														
	DIVERSION	21,710	18,752	38,059	44,087	45,538	40,138	43,258	42,153	40,057	29,043	21,705	16,384	400,884
	GGMC RETURN	1,838	1,578	2,435	932	2,197	3,141	2,268	2,943	6,060	1,332	880	701	26,305
	8 DOME RETURN	828	506	622	343	380	447	372	227	416	658	822	811	6,432
	MOD RETURN	9,790	8,720	9,410	9,080	9,430	8,010	9,400	6,770	10,890	11,020	8,080	5,320	105,920
	RETURNS, TOTAL	12,456	10,804	12,467	10,355	12,007	11,598	12,040	9,940	17,366	13,010	9,782	6,832	138,657
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	9,254	7,948	25,592	33,732	33,531	28,540	31,218	32,213	22,691	16,033	11,923	9,552	262,227
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	2,006	1,668	2,051	1,733	2,208	2,041	2,023	1,974	1,802	1,702	1,417	1,319	21,944
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	0	0	0	0	0	402	748	539	426	362	440	435	3,352
DIVERSIONS FOR YUMA EAST WETLANDS	DIVERSION	12	15	21	23	28	34	37	35	28	23	16	16	288
	MEAS. RETURNS	863	814	797	722	788	1,165	809	855	895	832	678	858	10,076
	UNMEAS. RETURNS	4	5	7	8	10	12	13	12	10	8	6	6	101
	CONSUMPTIVE USE	1,151	864	1,268	1,026	1,438	1,300	1,986	1,681	1,351	1,247	1,189	906	15,407
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	70	63	83	127	155	165	208	228	180	133	93	73	1,578
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	70	63	83	127	155	165	208	228	180	133	93	73	1,578
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	0	4	4	4	4	4	4	4	4	44
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	2	2	2	0	2	2	2	2	2	2	2	2	22
	CONSUMPTIVE USE	2	2	2	0	2	2	2	2	2	2	2	2	22
YUMA MESA FRUIT GROWERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM	DIVERSION	18	28	59	46	65	69	70	74	64	45	32	27	597
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	18	28	59	46	65	69	70	74	64	45	32	27	597
YUMA UNION HIGH SCHOOL DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	6	10	16	21	11	20	13	16	16	9	6	8	152
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	2	3	4	5	3	5	3	4	4	2	2	2	39
	CONSUMPTIVE USE	4	7	12	16	8	15	10	12	12	7	4	6	113
CAMILLE ALEC JR.														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	7	0	12	0	25	0	30	0	35	0	22	131
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	2	0	4	0	8	0	9	0	11	0	7	41
	CONSUMPTIVE USE	0	5	0	8	0	17	0	21	0	24	0	15	90
NORTH GILA VALLEY I.D.D.														
DIVERSION AT IMPERIAL DAM	9 DIVERSION	2,632	2,573	4,596	5,218	5,198	3,929	4,496	3,058	4,051	4,523	3,918	2,673	46,865
	MEAS. RETURNS	1,817	1,587	2,414	2,478	2,579	2,109	2,351	1,853	2,843	3,047	2,971	2,170	28,219
	UNMEAS. RETURNS	361	353	630	715	712	538	616	419	555	620	537	366	6,422
	CONSUMPTIVE USE	454	633	1,552	2,025	1,907	1,282	1,529	786	853	856	410	137	12,224

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF ARIZONA

		5/10/10	(ACRE-FEET)												
WATER USER	Ftnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1
YUMA IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM	9,11	DIVERSION	4,105	4,307	7,014	8,178	8,295	5,326	5,417	5,770	6,818	6,229	4,832	3,232	69,523
PRIVATE WELLS	10	DIVERSION	24	44	89	110	116	16	52	128	38	46	38	13	714
		MEAS. RETURNS	1,215	1,278	1,944	1,552	1,953	1,482	1,370	1,588	2,611	1,584	1,240	812	18,629
		UNMEAS. RETURNS	879	927	1,513	1,765	1,792	1,138	1,165	1,256	1,460	1,337	1,037	691	14,960
		CONSUMPTIVE USE	2,035	2,146	3,646	4,971	4,666	2,722	2,934	3,054	2,785	3,354	2,593	1,742	36,648
YUMA MESA I. D. D.															
DIVERSION AT IMPERIAL DAM	9	DIVERSION	9,740	8,080	15,308	15,835	18,085	21,707	26,248	23,923	19,927	13,453	10,057	7,350	189,713
		MEAS. RETURNS	6,993	6,725	8,202	6,633	8,155	11,144	11,535	10,955	8,291	2,668	1,551	4,997	87,849
		UNMEAS. RETURNS	1,558	1,293	2,449	2,534	2,894	3,473	4,200	3,828	3,188	2,152	1,609	1,176	30,354
		CONSUMPTIVE USE	1,189	62	4,657	6,668	7,036	7,090	10,513	9,140	8,448	8,633	6,897	1,177	71,510
UNIT "B" I. D. D.															
DIVERSION AT IMPERIAL DAM		DIVERSION	1,868	1,111	1,954	2,330	3,018	3,279	3,636	3,300	3,008	1,916	1,786	1,315	28,521
		MEAS. RETURNS	1,251	1,151	1,383	1,157	1,428	1,909	1,965	1,847	1,363	443	274	883	15,054
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	617	-40	571	1,173	1,590	1,370	1,671	1,453	1,645	1,473	1,512	432	13,467
FORT YUMA INDIAN RESERVATION															
DIVERSIONS FOR YUMA EAST WETLANDS		DIVERSION	26	33	45	49	60	72	79	76	60	50	35	35	620
RANCH "S" LANDS, YUMA ISLAND, AZ (180 ac)		DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DOMESTIC		DIVERSION	3	2	2	3	3	3	4	2	2	2	2	2	30
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	10	12	16	18	22	26	29	27	22	18	13	13	228
		CONSUMPTIVE USE	19	23	31	34	41	49	54	51	40	34	24	24	423
YUMA COUNTY WATER USERS' ASSOCIATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	21,579	22,329	37,037	44,536	36,992	18,597	27,831	18,323	25,361	38,968	28,488	21,112	341,153
WELLS		DIVERSION	112	100	0	73	0	32	135	108	14	170	141	144	1,029
		MEAS. RETURNS	9,303	7,413	9,150	9,219	8,380	6,224	6,359	6,802	9,481	13,564	12,907	11,013	109,815
		UNMEAS. RETURNS	456	471	778	937	777	391	587	387	533	822	601	446	7,186
		CONSUMPTIVE USE	11,932	14,545	27,109	34,453	27,835	12,014	21,020	11,242	15,361	24,752	15,121	9,797	225,181
COCOPAH INDIAN RESERVATION															
DIVERSION AT IMPERIAL DAM		DIVERSION	316	284	540	427	206	444	0	0	0	0	0	0	2,217
WELLS	12	DIVERSION	123	153	207	224	273	332	362	348	273	229	163	160	2,847
		MEAS. RETURNS	14	6	13	9	4	12	0	0	0	0	0	0	58
		UNMEAS. RETURNS	42	52	70	76	93	113	123	118	93	78	55	54	967
		CONSUMPTIVE USE	383	379	664	566	382	651	239	230	180	151	108	106	4,039
YUMA AREA OFFICE, USBR															
DIVERSION FROM WELL		DIVERSION	26	0	0	0	0	0	0	0	0	32	95	0	153
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	26	0	0	0	0	0	0	0	0	32	95	0	153
PUMPED FROM SOUTH GILA WELLS (DPOC'S)															
	13	MEAS. RETURNS	0	4,607	5,485	4,915	6,195	5,216	4,570	4,325	4,006	471	0	2,912	42,702
		UNMEAS. ABOVE	0	-4,607	-5,485	-4,915	-6,195	-5,216	-4,570	-4,325	-4,006	-471	0	-2,912	-42,702
		RETURN CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO															
RIVER AND WELLS IN FLOOD PLAIN, DAVIS															
DAM TO INTERNATIONAL BOUNDARY	14	DIVERSION	1,319	1,347	2,146	2,280	2,524	2,810	3,287	2,716	2,135	2,269	1,678	1,399	25,910
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	461	470	751	798	884	984	1,151	952	747	794	587	489	9,068
		CONSUMPTIVE USE	858	877	1,395	1,482	1,640	1,826	2,136	1,764	1,388	1,475	1,091	910	16,842
ARIZONA TOTALS															
		DIVERSION	282,458	266,168	375,167	389,824	389,515	288,584	295,011	271,348	325,781	288,428	257,567	233,909	3,663,760
		MEAS. RETURNS	48,509	48,600	58,790	55,554	61,796	60,009	59,715	57,580	65,548	54,418	46,098	47,764	664,381
		UNMEAS. RETURNS	9,382	6,162	16,845	18,717	17,297	17,394	20,792	18,077	14,721	13,696	10,420	4,163	167,668
		CONSUMPTIVE USE	224,567	211,406	299,532	315,553	310,422	211,181	214,504	195,691	245,512	220,313	201,049	181,982	2,831,711

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF ARIZONA

5/10/10

(ACRE-FEET)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	1
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Footnotes:

1. Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
2. Diversion amounts include deliveries to the Fort Mojave Tribe from the City of Needles CA.
3. Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
4. Havasu NWR diversion amounts have been adjusted downward for diversions out of the Topock Marsh inlet canal by Mohave Valley Irrigation and Drainage District and Fort Mojave Indian Reservation.
5. The Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
6. Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
7. Use for lands leased from ASLD by Gila Monster Farms has been deducted.
8. Main Outlet Drain return flow credit is measured flow at Station 0+00. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

9. Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation and Drainage District, the Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District is as follows:

Item	Annual Totals (Acre-Feet)
Diversion at Imperial Dam ^A	306,101
Pumped from wells	714
Surface returns from South Gila Valley (South Gila Canal Terminal Wasteway)	2,980
Return flow North Gila Valley (6 drains and wasteways)	8,887
Return flow South Gila Valley wells (DPOC's) less Unmeasured Returns	51,736
Return flow Yuma Mesa outlet drain ^B	31,945
Return flow protective and regulatory pumping unit ^C	38,854
Estimated unmeasured groundwater return flow ^D	27,541
Return flow share of Gila Main Canal loss ^E	24,690
Subtotal return flow	186,433
Consumptive Use (see note above)	120,382

- ^A Total for the North Gila Valley, Yuma, and Yuma Mesa Irrigation and Drainage Districts.
- ^B Estimated at 85 percent of the Yuma Mesa Outlet Drain with the balance credited to 'Unit B'.
- ^C Estimated at 85 percent of Protective and Regulatory Pumping Unit with the balance credited to 'Unit B'.
- ^D Estimated at 38 percent of the North Gila Valley I.D.D. diversion at Imperial Dam plus 14 percent of Yuma Irrigation District's diversion at Imperial Dam. This calculation is based on an analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area'
- ^E Diversion times a mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1397 af/yr), and phreatophytes (2154 af/yr).

10. Diversion and return values include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation; others are pumped to control groundwater elevation. These wells were previously reported in the Arizona Supplemental Tabulation.
11. Diversion values have been reduced for those users (B. Ogram, G Ogram, and ASLD) who take deliveries outside District boundaries. Those diversions appear in the Arizona Supplemental section.
12. Diversion amounts include pumpage from AEW-15, 16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.
13. Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
14. Details may be found on the Arizona Supplemental Tabulation.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2009
STATE OF ARIZONA

		5/10/10	(ACRE-FEET)												
WATER USER	Ftnts	USGS # 1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company															
SUBTOTAL, LEE FERRY TO DAVIS DAM	2	DIVERSION	1	1	1	1	1	2	2	2	2	1	1	1	16
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	0	0	0	0	0	1	1	1	1	0	0	0	4
		CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
McAlister, M. (river intake)			0	1	1	1	1	1	1	1	1	1	1	0	10
Crystal Beach Water Conservation District			8	8	9	9	9	10	10	10	9	9	8	8	107
Arizona-American Water Company			51	96	47	53	63	67	76	82	79	65	51	53	783
Arizona State Parks (Windsor Beach)			2	2	2	3	3	3	3	3	3	2	2	2	30
SUBTOTALS, DAVIS DAM TO PARKER DAM	2	DIVERSION	61	107	59	66	76	81	90	96	92	77	62	63	930
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	21	37	21	23	27	28	32	34	32	27	22	22	326
		CONSUMPTIVE USE	40	70	38	43	49	53	58	62	60	50	40	41	604
Hillcrest Water Company			3	3	2	2	3	2	2	3	3	2	2	2	29
Springs Del Sol			0	0	0	0	0	0	1	1	0	0	0	0	2
Rayner, Jack Jr.		AEP-9, AEW-35	154	192	262	283	346	420	458	440	346	290	206	203	3,600
Arizona State Land Department (domestic)			2	2	2	2	3	3	4	4	4	3	2	2	33
Arizona State Land Department (agricultural)		ADP-6	24	35	213	172	289	426	402	351	132	56	35	22	2,157
North Baja Pipeline LLC, (TransCanada)			26	29	31	18	21	37	32	34	23	19	10	18	298
BLM Permittees (LHFO and YFO)			63	49	45	74	84	98	89	94	62	115	75	0	848
Fisher's Landing			2	2	1	2	2	1	3	2	1	1	1	1	19
Shepard Water Company			2	3	3	3	3	4	4	4	4	3	4	3	40
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2	DIVERSION	276	315	559	556	751	991	995	933	575	489	335	251	7,026
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	97	110	196	195	263	347	348	327	201	171	117	88	2,460
		CONSUMPTIVE USE	179	205	363	361	488	644	647	606	374	318	218	163	4,566
Bard Date Gardens (JRJ Partners LLC)		AEP-1, AEW-3	48	60	124	107	119	89	210	87	34	88	103	59	1,128
Cha Cha (Glen Curtis Citrus)	3	AEP-2/3, AEW-4/5, ADW-3	72	105	94	165	90	124	349	232	92	137	70	41	1,571
Youmans, R. (Beattie Farms Southwest)	3	ADW-2	42	53	72	78	95	115	126	121	95	80	57	56	990
BLM Permittees (YFO)			5	7	8	7	6	5	8	9	9	5	5	3	77
Pratt, L.	3		13	16	22	23	29	35	38	37	29	24	17	17	300
Ogram, George	3,4	AEW-9	38	37	47	35	40	56	96	40	46	50	39	2	526
Ogram Boy's Enterprises	3,4		19	27	102	43	148	140	180	105	87	114	19	21	1,005
Peach	3	AEW-12	15	19	26	28	35	42	46	44	35	29	21	20	360
Yucca Power Plant (Arizona Public Service Co.)	3		54	45	45	4	49	70	75	45	85	60	50	57	639
Amigo Farms	3	AEW-14, ADP-1	14	18	24	26	32	38	42	40	32	27	19	18	330
Curry Family Limited	3	AEP-4, ADP-2	12	14	20	21	26	32	34	33	26	22	15	15	270
Power, P.	3	ADP-3/4	32	39	54	58	71	86	94	90	71	59	42	42	738
Pasquinnelli, Gary	4	ADP-5	85	47	47	38	38	38	9	9	9	25	48	48	441
Arizona State Land Department (agricultural)			532	437	842	1,024	918	866	893	793	816	982	775	685	9,563
SUBTOTALS, BELOW IMPERIAL DAM	2	DIVERSION	981	924	1,527	1,657	1,696	1,736	2,200	1,685	1,466	1,702	1,280	1,084	17,938
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	343	323	534	580	594	608	770	590	513	596	448	379	6,278
		CONSUMPTIVE USE	638	601	993	1,077	1,102	1,128	1,430	1,095	953	1,106	832	705	11,660
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2	DIVERSION	1,319	1,347	2,146	2,280	2,524	2,810	3,287	2,716	2,135	2,269	1,678	1,399	25,910
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	461	470	751	798	884	984	1,151	952	747	794	587	489	9,068
		CONSUMPTIVE USE	858	877	1,395	1,482	1,640	1,826	2,136	1,764	1,388	1,475	1,091	910	16,842

Foot notes:

1. References such as AEW/ADP/AEP are listed in the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain".
2. Monthly and annual totals rounded and displayed to the nearest whole number.
3. Calculated by estimating an annual diversion rate of six af per acre.
4. George Ogram, Ogram Boys' Enterprises, and some ALSD lands have water delivered (wheeled) to them by YFD from the GGMC. A proportionate share of the loss associated with the GGMC has been assessed.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF CALIFORNIA

		5/10/10	(ACRE-FEET)												
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1	
FORT MOJAVE INDIAN RESERVATION															
DOMESTIC - WELLS	2	DIVERSION	6	2	2	3	2	2	5	5	4	4	2	2	39
AGRICULTURAL - RIVER PUMPS	2	DIVERSION	1,446	654	2,632	3,086	1,920	1,286	1,738	1,155	632	1,406	1,869	275	18,099
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	671	303	1,217	1,427	888	595	805	536	294	652	865	128	8,381
		CONSUMPTIVE USE	781	353	1,417	1,862	1,034	693	938	624	342	758	1,006	149	9,757
CITY OF NEEDLES WELLS															
	3	DIVERSION	132	112	145	197	289	256	280	290	227	231	183	119	2,441
		MEAS. RETURNS	33	29	24	45	46	45	39	36	34	35	42	33	441
		UNMEAS. RETURNS	13	11	9	17	18	17	15	14	13	13	16	13	169
		CONSUMPTIVE USE	86	72	112	135	205	194	226	240	180	183	125	73	1,831
CHEMEHUEVI INDIAN RESERVATION RIVER PUMPS AND WELLS															
		DIVERSION	16	19	27	29	35	43	46	45	35	29	21	20	365
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	7	9	12	13	16	20	21	21	16	13	10	9	167
		CONSUMPTIVE USE	9	10	15	16	19	23	25	24	19	16	11	11	198
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU WATER EXCHANGED WITH SDCWA															
	4	DIVERSION	88,954	70,242	86,646	84,918	88,837	85,815	88,168	88,135	83,783	14,603	95,095	92,299	967,495
		DIVERSION	10,432	11,796	11,796	11,796	11,796	11,796	11,796	11,796	11,796	11,796	11,796	11,796	140,188
		MEAS. RETURNS	253	200	227	219	230	216	216	169	166	176	176	203	2,451
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	99,133	81,838	98,215	96,495	100,403	97,395	99,748	99,762	95,413	26,223	106,715	103,892	1,105,232
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM															
	3	DIVERSION	7	11	16	11	9	9	10	12	8	5	7	5	110
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	7	11	16	11	9	9	10	12	8	5	7	5	110
COLORADO RIVER INDIAN RESERVATION RIVER PUMPS AND WELLS BIG RIVER - WELLS															
		DIVERSION	181	225	308	332	407	493	538	518	407	341	242	238	4,230
		DIVERSION	37	32	46	56	75	78	83	83	79	64	52	38	723
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	91	107	148	162	201	238	259	250	203	169	123	115	2,066
		CONSUMPTIVE USE	127	150	206	226	281	333	362	351	283	236	171	161	2,887
CITY OF WINTERHAVEN WELL															
	5	DIVERSION	4	5	7	8	10	12	13	11	10	8	6	5	99
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	1	2	2	3	3	4	4	4	3	3	2	2	33
		CONSUMPTIVE USE	3	3	5	5	7	8	9	7	7	5	4	3	66
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM															
		DIVERSION	33,230	39,130	65,160	74,900	86,000	86,140	89,230	81,760	70,630	52,020	36,560	32,030	746,790
		MEAS. RETURNS	29,249	28,605	32,738	35,243	36,171	37,571	38,567	42,350	40,107	38,723	31,443	29,238	420,005
		UNMEAS. RETURNS	1,861	2,191	3,649	4,194	4,816	4,824	4,997	4,579	3,955	2,913	2,047	1,794	41,820
		CONSUMPTIVE USE	2,120	8,334	28,773	35,463	45,013	43,745	45,666	34,831	26,568	10,384	3,070	998	284,965
YUMA PROJECT, RESERVATION DIVISION, INDIAN UNIT DIVERSION AT IMPERIAL DAM DOMESTIC															
	6	DIVERSION	2,344	2,625	4,773	6,461	4,581	1,337	1,869	2,525	1,443	4,075	3,070	1,920	37,023
		DIVERSION	34	42	58	63	76	93	101	97	77	64	45	45	795
		MEAS. RETURNS	89	45	97	115	81	29	37	76	56	150	139	75	989
		UNMEAS. RETURNS	391	438	797	1,079	765	223	312	422	241	681	513	321	6,183
YUMA PROJECT, RESERVATION DIVISION, BARD UNIT DIVERSION AT IMPERIAL DAM															
		DIVERSION	2,948	2,051	5,123	6,461	6,006	2,544	2,874	2,488	3,535	4,949	2,771	2,000	43,550
		MEAS. RETURNS	64	20	56	63	56	32	30	43	71	97	63	42	637
		UNMEAS. RETURNS	492	343	856	1,079	1,003	425	447	415	590	826	463	334	7,273
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS SUM, YUMA PROJECTS, RESERVATION DIVISION. USE															
	7	MEAS. RETURNS	2,520	2,214	2,723	3,020	2,862	2,107	2,054	2,224	1,910	2,082	1,759	2,364	27,839
		CONSUMPTIVE USE	1,770	1,658	5,425	7,629	5,896	1,158	1,764	1,930	2,187	5,252	2,949	829	38,447

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF CALIFORNIA

5/10/10		(ACRE-FEET)												
WATER USER	Ftrts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1
IMPERIAL IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM		149,728	138,256	291,539	318,877	284,424	254,593	271,045	249,091	215,700	226,542	159,637	119,923	2,679,356
		8,811	3,736	9,425	9,095	8,070	9,403	8,739	12,257	12,615	13,068	10,320	7,105	112,644
		0	0	0	0	0	0	0	0	0	0	0	0	0
		140,917	134,520	282,114	309,782	276,354	245,190	262,306	236,834	203,085	213,474	149,318	112,818	2,566,713
WATER TRANSFERRED TO SDCWA FOR MITIGATION	8	6,377	2,255	3,564	1,523	2,194	545	1,819	791	2,835	4,499	4,216	1,282	31,700
		375	61	115	43	62	20	52	39	166	260	273	76	1,542
		6,002	2,194	3,449	1,480	2,132	525	1,567	752	2,669	4,239	3,943	1,206	30,158
COACHELLA VALLEY WATER DISTRICT														
DIVERSION AT IMPERIAL DAM		16,756	14,944	23,931	28,447	32,088	31,011	36,559	34,751	31,171	28,271	26,500	18,301	322,730
		986	404	774	811	910	1,145	1,179	1,710	1,823	1,631	1,713	1,084	14,170
		0	0	0	0	0	0	0	0	0	0	0	0	0
		15,770	14,540	23,157	27,636	31,178	29,866	35,380	33,041	29,348	26,640	24,787	17,217	308,560
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN THE FLOOD PLAIN	9	710	881	1,200	1,298	1,589	1,917	2,104	2,024	1,582	1,330	950	907	16,492
DAVIS DAM TO THE INTERNATIONAL BOUNDARY		9	10	14	15	18	22	24	23	18	15	11	11	190
		306	382	521	563	688	832	913	876	686	578	409	398	7,152
		395	489	665	720	883	1,063	1,167	1,125	878	737	530	498	9,150
CALIFORNIA TOTALS														
		313,342	283,282	496,973	538,466	520,318	477,970	507,878	475,577	423,954	350,237	343,022	281,205	5,012,225
		42,389	35,324	46,193	48,669	48,506	50,590	50,937	58,927	56,966	56,237	45,939	40,231	580,908
		3,833	3,786	7,211	8,537	8,398	7,178	7,773	7,117	6,001	5,848	4,448	3,114	73,244
		267,120	244,172	443,569	481,260	463,414	420,202	449,168	409,533	360,987	288,152	292,636	237,860	4,358,074

Note: The term 'CONSUMPTIVE USE' ,as used in this tabulation, means diversions, including ground water pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

1. Due to rounding to the nearest acre-foot, totals may differ from the sum of the monthly values.
2. Diversion amounts include any deliveries to the Fort Mojave Tribe by the City of Needles. Diversion values listed as pumped from river and wells are provided by the Fort Mojave Tribe and Reclamation.
3. All or a portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.
4. Water conserved by IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement and water allocated to SDCWA as a result of the CCLP and AACLP pursuant to Article 10 of the October 10, 2003 Allocation Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement.
5. Reported as an annual total only then distributed monthly according to the monthly use patterns of nearby users.
6. These values represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the reservation.
7. Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.
8. This entry represents water conserved by IID, transferred to SDCWA and delivered to the Salton Sea, in accordance with CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended.
9. Details can be found on the California Supplemental page.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2009
 STATE OF CALIFORNIA

		5/10/10	(ACRE-FEET)												
WATER USER	Ftrts	USGS# 1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	2	CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	2	CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Cal Gas	3	CEW-21	3	3	5	5	6	8	8	8	6	5	4	4	65
Pacific Gas & Electric Company	3		10	11	14	15	19	23	24	23	18	15	11	12	195
Havasu Water Company	3	Needles rpt.	3	3	4	5	6	7	8	7	6	5	3	3	60
Vista Del Lago	3	Needles rpt.	1	1	1	2	2	2	3	2	2	2	1	1	20
Wells reported under non-Federal subcontracts to LCWSP	3	Needles rpt.	13	16	22	23	28	35	38	36	28	24	17	16	296
SUBTOTALS, DAVIS DAM TO PARKER DAM	4	DIVERSION	30	34	46	50	61	75	81	76	60	51	36	36	636
	3a	MEAS. RETURNS	9	10	14	15	18	22	24	23	18	15	11	11	190
		UNMEAS. RETURNS	7	8	11	12	14	18	20	18	14	12	8	8	150
		CONSUMPTIVE USE	14	16	21	23	29	35	37	35	28	24	17	17	296
Wetmore, Kenneth C.			0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.			0	0	0	0	0	0	0	0	0	0	0	0	0
Camey, Jerome D.			0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.			0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch (Lye, C. L.)	2	CEW-16	2	2	3	3	4	4	5	5	4	3	2	2	39
Lake Enterprises of California			0	0	0	0	0	0	0	0	0	0	0	0	0
BLM Permitees (LHFO & YFO)	3,5		21	24	32	35	45	46	58	58	38	34	31	2	424
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	4	DIVERSION	23	26	36	39	51	52	66	65	44	38	34	4	478
		BLM UNMEAS. RETURNS	5	6	8	8	11	11	14	14	9	9	7	1	103
		UNMEAS. RETURNS	1	1	2	2	3	3	4	3	3	2	1	1	26
		CONSUMPTIVE USE	17	19	26	29	37	38	48	48	32	27	26	2	349
FORT YUMA IR - CA															
Valdez, Mike	2	CDP-1, 2, CEW-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Living Earth Farm	2	CEW-2, CDP-3	1	1	1	1	1	1	1	1	1	1	1	1	12
Mike Valdez	2	CEW-3, CDP-4, CDW-1	122	152	207	224	274	332	363	349	274	230	163	160	2,850
MivCo Packing	2	CEW-14	30	38	51	56	68	83	90	87	68	57	40	40	708
Valdez, Mike	2	CEW-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranch "5" Lands, Yuma Island, CA (351 acres)	6	AAC diversion	0	0	0	0	0	0	0	0	0	0	0	0	0
Huerta Packing	2	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON FYIR, CALIFORNIA	4	DIVERSION	153	191	259	281	343	416	454	437	343	288	204	201	3,570
SUM OF UNMEASURED RETURNS, FYIR, CALIFORNIA		UNMEAS. RETURNS	68	85	116	126	153	186	203	195	153	129	91	90	1,595
YUMA ISLAND - CA															
Arizona State Land Department Lessees:															
Martin Family Trust	2		49	61	83	90	109	133	145	139	110	92	65	64	1,140
Billy Turner	2	CDW-5, CEW-7	29	37	50	54	66	80	88	85	66	56	40	39	690
Leroy Heile	2	CDW-8 (CEW-12)	45	56	76	82	101	122	134	129	101	85	60	59	1,050
James Williams	2	CEW-11	11	14	19	20	24	29	32	31	24	20	14	14	252
Griffin Produce Company	2	CDW-2	67	83	113	123	150	182	198	191	150	126	89	88	1,560
Perez Family Trust	2	CEW-9	38	47	65	70	85	103	113	109	85	72	51	50	888
Clifford Winton Jr.	2,7	CEW-13	10	12	17	18	22	26	29	28	22	18	13	13	228
Clara Jean Wilson	2,7		10	13	17	19	23	28	31	29	23	19	14	14	240
Lou Ella Harp	2,7		26	33	45	49	59	72	79	78	59	50	35	35	618
Robert E. Harp	2,7		18	23	31	34	42	50	55	53	42	35	25	24	432
Leroy Heile	2		30	37	50	54	66	81	88	84	66	56	39	39	690
K.H. Easterday	2		47	59	81	87	107	129	141	136	107	89	64	63	1,110
Wilson Farms	2		14	17	24	26	32	38	42	40	32	27	19	19	330
R. Harp	2		32	40	55	59	72	88	95	92	72	60	43	42	750
Dees, Alex	2		45	56	76	82	101	122	134	129	101	85	60	59	1,050
Mike Palmer (Power, L.O.)	2		33	42	57	61	75	91	99	95	75	63	45	44	780
SUM OF PUMPING ON THE YUMA ISLAND, CALIFORNIA	4	DIVERSION	504	630	859	928	1,134	1,374	1,503	1,446	1,135	953	676	666	11,808
SUM OF UNMEASURED RETURNS, YUMA ISLAND - CALIFORNIA		UNMEAS. RETURNS	225	282	384	415	507	614	672	646	507	426	302	298	5,278
SUBTOTALS, ALL USES BELOW IMPERIAL DAM		DIVERSION	657	821	1,118	1,209	1,477	1,790	1,957	1,883	1,478	1,241	880	867	15,378
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEAS. RETURNS	293	367	500	541	660	800	875	841	680	555	393	388	6,873
		CONSUMPTIVE USE	364	454	618	668	817	990	1,082	1,042	818	686	487	479	8,505

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2009
 STATE OF CALIFORNIA

WATER USER	5/10/10		(ACRE-FEET)												
	Firns	USGS# 1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION		DIVERSION	710	881	1,200	1,298	1,589	1,917	2,104	2,024	1,582	1,330	950	907	16,492
		MEAS. RETURNS	9	10	14	15	18	22	24	23	18	15	11	11	190
		UNMEAS. RETURNS	306	382	521	563	688	832	913	876	686	578	409	398	7,152
		CONSUMPTIVE USE	395	489	665	720	883	1,063	1,167	1,125	878	737	530	498	9,150

Footnotes:

1. References such as CDW/CDP/CEP are listed in the annual USGS, Yuma Field Office report "Pumped Diversions From The Colorado River and Adjacent Floodplain".
2. Calculated by estimating an annual diversion rate of six af per acre.
3. Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- 3a. This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.
4. Monthly and annual totals rounded to the nearest whole number.
5. At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA. Some BLM lessees have very limited returns due to evaporation ponds and low application rates.
6. Surface water diversions from the AAC through Bard Water District. Diversion calculated by prorating total measured delivery by irrigated acreage in each state.
 Bard Water District diversion has been reduced by the total delivery to Ranch 5 in AZ and CA.
7. Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated using the factor outlined in footnote 2 above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF NEVADA

WATER USER	5/10/10 Ftnts	(ACRE-FEET)												TOTAL 1
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BOULDER CANYON PROJECT DIVERSION AT HOOVER DAM	DIVERSION	3	2	4	4	5	6	6	5	4	4	4	3	50
	MEAS. RETURNS	3	2	4	4	4	4	4	3	3	3	3	3	40
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	1	2	2	2	1	1	1	0	10
ROBERT B. GRIFFITH WATER PROJECT DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	26,522	23,625	33,047	36,014	47,270	38,473	44,286	44,213	36,110	39,686	30,504	25,632	425,382
LAKE MEAD NATIONAL RECREATION AREA DIVERSIONS FROM LAKE MEAD	DIVERSION	32	27	37	36	52	49	59	60	56	40	48	35	531
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	32	27	37	36	52	49	59	60	56	40	48	35	531
LAKE MEAD NATIONAL RECREATION AREA DIVERSION FROM LAKE MOHAVE (COTTONWOOD COVE)	DIVERSION	13	12	14	16	21	18	21	18	14	13	12	9	181
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	13	12	14	16	21	18	21	18	14	13	12	9	181
BASIC MANAGEMENT INC. DIVERSION AT LAKE MEAD	DIVERSION	585	474	459	470	497	380	413	430	423	439	367	418	5,355
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	585	474	459	470	497	380	413	430	423	439	367	418	5,355
CITY OF HENDERSON DIVERSION AT LAKE MEAD	DIVERSION	778	739	912	723	1,756	2,028	1,650	1,778	1,582	1,631	1,230	1,120	15,927
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	778	739	912	723	1,756	2,028	1,650	1,778	1,582	1,631	1,230	1,120	15,927
NEVADA DEPARTMENT OF FISH AND GAME DIVERSION AT LAKE MEAD	DIVERSION	5	3	4	4	4	5	6	6	6	6	6	6	61
	MEAS. RETURNS	4	2	3	4	3	5	5	6	5	5	5	5	52
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	0	1	0	1	1	0	1	1	1	9
CITY OF BOULDER CITY DIVERSION AT HOOVER DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
PACIFIC COAST BUILDING PRODUCTS INC. DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	73	66	69	50	60	60	41	48	71	62	42	36	678
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	73	66	69	50	60	60	41	48	71	62	42	36	678
MOHAVE GENERATING STATION (SCE) WELL	DIVERSION	43	34	44	42	47	43	45	47	50	47	44	34	520
	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	43	34	44	42	47	43	45	47	50	47	44	34	520
BIG BEND WATER DISTRICT	DIVERSION	296	256	313	344	424	426	480	479	424	384	322	275	4,423
	MEAS. RETURNS	164	159	175	175	190	194	225	219	196	182	164	145	2,188
	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	132	97	138	169	234	232	255	260	228	202	158	130	2,235

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2009
STATE OF NEVADA

WATER USER	5/10/10 Ftnts	(ACRE-FEET)												TOTAL 1		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
FORT MOJAVE INDIAN RESERVATION 2 WELLS	2															
		DIVERSION	79	52	784	390	441	857	825	735	268	216	133	75	4,855	
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	26	17	259	129	146	283	272	243	88	71	44	25	1,603	
		CONSUMPTIVE USE	53	35	525	261	295	574	553	492	180	145	89	50	3,252	
LAS VEGAS WASH RETURN FLOWS	3	RETURNS	18,938	15,949	17,572	16,995	16,838	16,429	16,786	16,687	16,318	17,243	17,457	18,253	205,467	
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY		DIVERSION													0	
		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEVADA TOTALS		DIVERSION	28,429	25,290	35,687	38,093	50,577	42,345	47,832	47,819	39,008	42,528	32,712	27,643	457,963	
		MEAS. RETURNS	19,109	16,112	17,754	17,178	17,035	16,632	17,022	16,914	16,523	17,433	17,629	18,406	207,747	
		UNMEAS. RETURNS	26	17	259	129	146	283	272	243	88	71	44	25	1,603	
		CONSUMPTIVE USE	9,294	9,161	17,674	20,786	33,396	25,430	30,536	30,662	22,397	25,024	15,039	9,212	248,613	
GROUNDWATER INJECTED STORAGE LAS VEGAS VALLEY WATER DISTRICT	4	INJECTED	0	84	7	0	0	0	0	0	0	0	0	0	91	
		WITHDRAWN	0	0	0	0	0	0	0	0	172	265	141	47	625	
CITY OF NORTH LAS VEGAS		INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0	
		WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTE: The term 'CONSUMPTIVE USE', in this tabulation, means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- Diversions were fully measured and reported by Reclamation.
- Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated December 12, 2007.
- Nevada Injected Storage Balance:

^A Beginning of Year Cumulative Injected Storage	351,175
Plus Current Year Additions	91
Minus Current Year Withdrawals	625
End of Year Cumulative Injected Storage	350,641

^A Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2009 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was computed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those that divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

The "Delivered to Mexico in Excess of Treaty" values displayed in this section of the report reflect only the water over delivered to Mexico, according to IBWC's schedule, resulting from water that had been ordered but not diverted. The "To Mexico in Excess of Treaty" values displayed in the Article V (D) section reflect all water under/over delivered to Mexico according to IBWC's schedule. No comparison between the two sections should be made.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2009
 STATE OF ARIZONA

WATER USER	5/10/10												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(ACRE-FEET)													
CENTRAL ARIZONA PROJECT - DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	3,947	643	2,612	3,091	2,190	1,369	2,099	1,701	5,654	2,015	1,978	850	28,149
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	3,947	643	2,612	3,091	2,190	1,369	2,099	1,701	5,654	2,015	1,978	850	28,149
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
CO. RIVER INDIAN RESERVATION - DIVERSION AT HEADGATE ROCK													
ORDERED BUT NOT DIVERTED	377	202	252	430	238	254	270	180	305	426	875	1,087	4,897
DELIVERED TO MEXICO IN	147	125	157	213	94	121	104	5	153	157	582	509	509
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	87	29	29	89	62	80	150	99	94	131	127	286	286
DELIVERED TO STORAGE ¹	131	47	59	57	82	45	11	75	1	91	155	115	115
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	12	1	7	71	0	8	5	1	57	47	10	176	176
NORTH GILA VALLEY I.D.D. - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	286	486	314	193	713	566	492	808	224	716	640	1,048	6,486
DELIVERED TO MEXICO IN	32	274	76	106	159	116	65	48	51	309	368	412	412
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	223	51	199	69	401	364	348	626	84	262	141	277	277
DELIVERED TO STORAGE ¹	27	30	38	11	89	60	72	66	4	108	99	164	164
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	3	131	1	8	63	27	7	69	84	36	31	194	194
GILA MONSTER FARMS, GILA PROJECT DISTRICTS													
DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	509	498	372	314	91	335	571	436	582	369	883	735	5,695
DELIVERED TO MEXICO IN	151	230	70	83	14	58	104	34	124	132	495	281	281
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	276	134	289	171	66	216	419	333	371	134	198	170	170
DELIVERED TO STORAGE ¹	70	84	9	38	7	50	41	41	40	69	146	142	142
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	12	50	4	22	5	11	8	27	47	34	43	142	142
WELLTON-MOHAWK I.D.D. - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	4,242	7,771	1,832	2,193	1,458	1,921	1,165	1,790	2,918	4,964	3,150	2,588	35,994
DELIVERED TO MEXICO IN	2,118	4,593	923	748	545	933	250	247	1,469	1,830	1,990	733	733
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	1,239	968	595	1,161	480	615	526	1,195	890	1,580	517	638	638
DELIVERED TO STORAGE ¹	723	932	259	263	178	320	327	119	264	1,081	459	490	490
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	163	1,278	56	22	256	54	63	229	296	472	184	727	727
YUMA IRRIGATION DISTRICT - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	671	1,258	513	286	406	1,279	1,231	560	351	563	1,149	1,076	9,342
DELIVERED TO MEXICO IN	206	769	38	86	46	256	221	86	87	158	617	455	455
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	393	225	359	126	321	741	804	360	148	187	244	111	111
DELIVERED TO STORAGE ¹	54	65	111	69	33	261	168	43	62	102	229	189	189
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	18	199	5	5	7	21	38	71	55	116	59	321	321

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2009
 STATE OF ARIZONA

WATER USER	5/10/10												TOTAL
	(ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA MESA I.D.D. - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,835	5,375	2,602	3,069	3,782	2,658	1,022	2,475	6,895	8,473	7,395	5,937	53,518
DELIVERED TO MEXICO IN	722	2,580	1,124	616	709	693	228	519	2,483	3,900	4,165	2,159	2,159
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	2,592	1,252	1,402	1,598	2,065	1,639	655	1,015	2,888	2,031	1,717	1,849	1,849
DELIVERED TO STORAGE ¹	444	629	50	566	440	200	126	377	618	1,992	1,035	1,093	1,093
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	78	914	26	289	568	126	13	564	905	551	478	836	836
UNIT "B" I.D.D. - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	341	638	388	482	405	545	286	177	371	709	508	319	5,170
DELIVERED TO MEXICO IN	245	293	177	131	81	121	73	39	150	275	319	116	116
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	19	124	199	250	224	350	148	113	172	224	112	77	77
DELIVERED TO STORAGE ¹	54	66	6	79	48	49	52	18	21	188	56	37	37
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	24	155	6	22	53	25	13	7	27	22	21	90	90
YUMA COUNTY WATER USERS' ASSOCIATION - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,802	6,448	4,641	5,677	7,260	3,894	1,724	5,095	1,287	7,273	8,806	5,922	61,829
DELIVERED TO MEXICO IN	1,719	3,966	926	1,584	1,839	963	473	450	465	3,051	4,830	2,168	2,168
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	920	749	3,410	2,674	3,664	2,146	1,139	3,483	635	1,937	1,879	1,375	1,375
DELIVERED TO STORAGE ¹	1,052	584	263	1,187	789	600	53	781	44	1,562	1,773	1,068	1,068
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	111	1,148	41	232	968	185	59	381	144	723	325	1,310	1,310
ARIZONA TOTALS													
ORDERED BUT NOT DIVERTED	18,011	23,318	13,525	15,735	16,544	12,823	8,860	13,224	18,587	25,509	25,384	19,561	211,081
DELIVERED TO MEXICO IN	5,342	12,829	3,490	3,567	3,486	3,262	1,518	1,428	4,983	9,813	13,365	6,834	6,834
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	5,748	3,532	6,482	6,138	7,283	6,151	4,188	7,224	5,282	6,487	4,936	4,782	4,782
DELIVERED TO STORAGE ¹	6,503	3,079	3,408	5,361	3,856	2,952	2,949	3,222	6,707	7,208	5,931	4,148	31,447
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	419	3,877	145	670	1,919	457	205	1,349	1,615	2,001	1,152	3,798	3,798

Footnotes:

1. Available for future use.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2009
 STATE OF CALIFORNIA

WATER USER	5/10/10												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(ACRE-FEET)													
METROPOLITAN WATER DISTRICT - DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	4,073	7,350	3,709	11,504	1,907	5,506	8,536	8,569	8,918	2,397	907	4,935	68,311
DIVERTED BY OTHERS DELIVERED TO STORAGE ¹ DELIVERED TO MEXICO IN EXCESS OF TREATY	4,073	7,350	3,709	11,504	1,907	5,506	8,536	8,569	8,918	2,397	907	4,935	68,311
													0
PALO VERDE IRRIGATION DISTRICT - DIVERSION AT PALO VERDE DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1,367	998	831	258	1,269	635	1,525	893	1,726	859	659	1,055	12,073
DIVERTED BY OTHERS DELIVERED TO STORAGE ¹ DELIVERED TO MEXICO IN EXCESS OF TREATY	577	385	319	75	329	17	408	142	426	478	376	520	4,052
	606	330	503	159	548	535	781	462	893	157	159	257	5,389
	129	201	4	21	262	80	329	97	215	133	91	162	257
	54	82	5	4	130	3	8	191	191	91	33	117	907
YUMA PROJECT RESERVATION DIVISION - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3,105	3,515	1,206	2,120	1,349	2,945	2,093	2,184	2,680	1,152	3,519	4,222	30,091
DIVERTED BY OTHERS DELIVERED TO STORAGE ¹ DELIVERED TO MEXICO IN EXCESS OF TREATY	1,184	1,872	464	861	378	584	322	207	430	545	2,110	1,493	10,449
	1,281	660	708	777	660	1,963	1,408	1,522	1,659	293	717	1,344	12,993
	532	479	24	268	98	304	298	235	284	188	553	653	1,344
	109	504	11	214	214	93	65	220	306	125	140	732	2,731
IMPERIAL IRRIGATION DISTRICT - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	8,955	32,905	19,203	18,861	21,299	5,208	7,583	13,161	12,012	18,353	14,030	21,099	192,668
DIVERTED BY OTHERS DELIVERED TO STORAGE ¹ DELIVERED TO MEXICO IN EXCESS OF TREATY	3,688	20,812	8,143	6,536	6,405	723	1,303	2,911	2,510	9,193	9,141	8,985	80,352
	3,171	3,518	8,155	8,329	7,464	2,849	4,788	4,565	7,187	3,816	2,363	2,755	58,960
	1,820	3,591	2,697	2,830	3,513	1,555	1,447	3,345	1,347	3,795	1,968	3,351	2,755
	276	4,984	208	1,165	3,917	81	45	2,340	968	1,549	557	6,008	22,097
COACHELLA VALLEY WATER DISTRICT - DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3,025	3,223	1,015	1,517	1,337	3,335	2,245	1,818	1,387	1,891	3,408	4,810	29,010
DIVERTED BY OTHERS DELIVERED TO STORAGE ¹ DELIVERED TO MEXICO IN EXCESS OF TREATY	1,140	1,733	298	397	430	711	479	78	260	965	2,032	2,199	10,721
	1,363	482	685	904	667	1,858	1,427	1,553	710	663	717	674	11,704
	431	212	27	179	209	599	311	106	71	220	640	1,083	674
	92	795	6	37	31	167	28	80	346	43	19	854	2,497
CALIFORNIA TOTALS													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	20,525	47,990	25,964	34,260	27,162	17,628	21,982	26,625	26,722	24,651	22,522	36,122	332,154
DIVERTED BY OTHERS DELIVERED TO STORAGE ¹ DELIVERED TO MEXICO IN EXCESS OF TREATY	6,588	24,802	9,224	7,869	7,542	2,035	2,512	3,338	3,627	11,180	13,659	13,197	105,574
	6,421	4,990	10,050	10,170	9,339	7,206	8,403	8,102	10,449	4,928	3,956	5,031	89,045
	6,985	11,834	6,461	14,802	5,989	8,044	10,921	12,353	10,836	6,734	4,159	10,185	73,342
	530	6,364	229	1,420	4,291	343	146	2,831	1,811	1,809	749	7,710	28,233

Footnotes:

1. Available for future use.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944 AND WATER
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

WATER USER	5/10/10 Fnts	CALENDAR YEAR 2009 (ACRE-FEET)												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DELIVERY AT NORTHERLY INTERNATIONAL BOUNDARY	1	107,568	150,674	195,209	192,561	110,566	101,720	108,143	89,356	80,657	63,657	91,647	123,237	1,414,995
DELIVERY AT THE LIMITROPHE	2	754	699	564	295	330	578	365	483	537	962	1,060	1,193	7,820
DELIVERY AT TIJUANA	3	472	431	998	927	584	479	0	0	566	234	223	238	5,152
DELIVERY AT SOUTHERLY INTERNATIONAL BOUNDARY		12,310	10,699	12,228	11,766	10,910	10,775	11,523	11,376	11,511	12,222	11,401	10,136	136,857
DIVERSION CHANNEL DISCHARGED TO RIVER	4	0	54	14	7	0	17	0	3	4	0	0	0	99
TO MEXICO IN SATISFACTION OF TREATY		119,428	152,979	208,455	199,629	112,754	112,353	118,342	92,284	89,307	72,742	102,966	118,761	1,500,000
TO MEXICO IN EXCESS OF TREATY	5	1,676	9,578	558	5,927	9,636	1,216	1,689	8,934	3,968	4,333	1,365	16,043	64,923
TOTAL DELIVERY TO MEXICO	6	121,104	162,557	209,013	205,556	122,390	113,569	120,031	101,218	93,275	77,075	104,331	134,804	1,564,923
WATER ARRANGED FOR THE CIENEGA - U.S. PORTION	7	0	0	0	0	0	0	0	0	0	149	4,363	1,785	6,297
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC		10,024	9,433	10,164	9,702	10,422	9,645	9,525	6,621	10,286	11,572	12,548	4,829	114,771

Footnotes:

1. Flow in the river at the Northerly International Boundary.
2. Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.
3. Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minutes No. 310 and 314 of the IBWC.
4. The Diversion channel delivers water from the SIB confluence structure to the river or to the Bypass. During the months shown the flow is charged to the Treaty.
5. Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.
6. This does not include water bypassed pursuant to Minute No. 242 of the IBWC.
7. In accordance with the Joint Report of the Principal Engineers Concerning U.S. - Mexico Joint Cooperative Actions Related to the Yuma Desalting Plant Pilot Run. This water is also included in the Water Bypassed Pursuant to Minute 242.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

		CALENDAR YEAR 2009												TOTAL
		(ACRE-FEET)												
5/10/10		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WATER USER														
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information, tabulated here, provides a more extensive record of activities relating to federal management of the Colorado River. In concise reports specific to various agreements or requirements, this information is intended to help the reader correlate the records of diversions and consumptive use found in the Article V portion of this report with the various conservation, transfer and exchange agreements. The final section contains documents significant to the actions taken by Reclamation, the Lower Division States, and the water user agencies during 2009.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). The SIRA provides structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's Colorado River water consumption. This forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

the year Colorado River water is diverted. LTSC's are created for the account of consuming entities in Nevada or California. When LTSC's are recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC's. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II(B)(6) of the Consolidated Decree. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls upon this stored water, MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. Recovery of MWD's credits is subject to the terms of an amended letter agreement dated December 11, 2007.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA and MWD, provisional LTSC accrued during the past year, LTSC's recovered during the past year, ALTSC held for an entity with a SIRA, and credits assigned to MWD by CAWCD.

INTERSTATE BANKING
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2009

		(ACRE-FEET)												
		5/10/10												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified BOY ALTSC ¹	527,520												
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 09 ²	0	0	5,000	4,026	0	1,290	2,990	4,917	6,106	1,890	14,284	18,521	59,024
	Verified LTSC in 09 ³	0	0	4,650	3,744	0	1,200	2,781	4,573	5,679	1,758	13,284	17,225	54,892
	ICUA Developed in 09 ⁴	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	527,520	527,520	532,170	535,914	535,914	537,114	539,895	544,467	550,146	551,904	565,188	582,412	582,412
Water diverted and stored by MWD for the benefit of SNWA.	Verified BOY ALTSC ^{1,6}	70,000												
	Accrued LTSC in 09 ⁶	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 09	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 09 ^{4,6}	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁶	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
AMOUNT OF WATER STORED FOR THE BENEFIT OF NEVADA - CURRENT YEAR		0	0	4,650	3,744	0	1,200	2,781	4,573	5,679	1,758	13,284	17,225	54,892
CUMULATIVE BALANCE OF WATER STORED FOR NEVADA WITHIN AZ AND CA ⁷		597,520	597,520	602,170	605,914	605,914	607,114	609,895	614,467	620,146	621,904	635,188	652,412	652,412
CALIFORNIA	Verified BOY ALTSC ⁸	35,663												
Water diverted and stored in Arizona for the benefit of MWD.	Accrued LTSC in 09 ²	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 09 ³	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 09 ⁴	1,421	1,753	2,956	2,989	2,528	2,510	3,156	3,290	2,617	1,477	1,100	1,707	27,504
	Total ALTSC ^{5,8}	34,242	32,489	29,533	26,544	24,016	21,506	18,350	15,060	12,443	10,966	9,866	8,159	8,159
STATES TOTAL	Verified BOY ALTSC ¹	633,183												
Water stored in AZ & CA for the benefit of Nevada and California Parties.	Accrued LTSC in 09 ²	0	0	5,000	4,026	0	1,290	2,990	4,917	6,106	1,890	14,284	18,521	59,024
	Verified LTSC in 09 ³	0	0	4,650	3,744	0	1,200	2,781	4,573	5,679	1,758	13,284	17,225	54,892
	ICUA Developed in 09 ⁴	1,421	1,753	2,956	2,989	2,528	2,510	3,156	3,290	2,617	1,477	1,100	1,707	27,504
	Total ALTSC ⁵	631,762	630,009	631,703	632,458	629,930	628,620	628,245	629,527	632,589	632,870	645,054	660,571	660,571

Footnotes:

- ALTSC's verified by the banking entity before the beginning of the reporting year. Available for recovery by a specific entity with a valid SIRA. Requested ICUA cannot exceed verified LTSC.
- Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA.
 Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility.
 Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery.
 Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200,000 af annually.
- In 2009, AWBA stored water in Arizona for SNWA alone. Displayed values are provisional upon verification by AWBA and represent water that may be available for recovery for SNWA.
 51,387 af of the water stored by Arizona for Nevada in 2009 is Nevada unused apportionment and any remaining water is Arizona apportionment.
- ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have certified this amount to be available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary.
 Total recovery of ALTSC from AWBA cannot exceed 100,000 af annually, due to a limitation defined under Arizona state law.
 When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's and/or California's requested release. Nevada and/or California will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available.
- ALTSC's are cumulative monthly sum of verified, or estimated LTSC.
- In 2004 MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA.
 When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage.
 When water is released from storage, California will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California.
- This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the current year.
- LTSC's banked in CAWCD's name that are recoverable by MWD under the CAWCD-MWD agreement of October 15, 1992, in accordance with the amended CAWCD/ABWA/MWD letter agreement dated December 11, 2007.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently divert or consumptively use Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements are now established for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003, by the Secretary of the Interior. Beginning in 2004, certain districts within California agreed in the CRWDA to begin paybacks to the Colorado River system according to the payback schedule set forth in Exhibit C of the CRWDA in the aggregate amount of accrued overruns for CY 2001 and 2002. The CRWDA permits advance payback.

Reclamation has also implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 *Federal Register* 12,201 (2004).

The following tabulation displays two items associated with inadvertent overruns and paybacks:

- 1) Identification of entitlement holders who have inadvertently overrun since January 1, 2009, or a previous year, the amount of the overrun repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account.
- 2) The quantity of paybacks made by California parties under Exhibit C of the CRWDA and the remaining balance in each Exhibit C payback account.

The table titled Exhibit C reproduces Exhibit C from the CRWDA for convenient reference.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2009
 STATE OF ARIZONA

5/10/10		(ACRE-FEET)			
PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
GILA MONSTER FARMS	IOPP Overruns by Water User	Calendar Year Diversion ²	8,076	8,854	9,156
		Calendar Year Overrun - Diversion ³	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion. ⁴	905		
		Validated Calendar Year Paybacks - Diversion. ⁵	302		
		EOY Overrun Account Balance - Diversion. ⁶	603		
		Account Balance as Percent of Entitlement	6.6%		
CENTRAL ARIZONA WATER CONSERVATION DISTRICT	IOPP Overruns by Water User	Calendar Year Use ²	1,659,808	1,648,149	1,648,149
		Calendar Year Overrun ³	11,659		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		EOY Overrun Account Balance ⁶	11,659		
		Account Balance as Percent of Entitlement	0.7%		

Footnotes:

1. This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
2. The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
3. The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
4. The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
5. Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
6. The remainder of the IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE, AND CRWDA EXHIBIT C PAYBACK ¹
 CALENDAR YEAR 2009
 STATE OF CALIFORNIA

5/10/10			(ACRE-FEET)		
PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
IMPERIAL IRRIGATION DISTRICT	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	2,566,713	2,804,480	3,100,000
		Calendar Year Overrun - Consumptive Use ³	0		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		EOY Overrun Account Balance ⁶	0		
		Account Balance as Percent of Entitlement	0.0%		
FORT MOJAVE INDIAN RESERVATION - CA	IOPP Overruns by Water User	Calendar Year Diversion ²	18,138	14,212	16,720
		Calendar Year Overrun - Diversion. ³	3,926		
		Calendar Year Overrun - Consumptive Use	2,112		
		BOY Overrun Account Balance - Diversion. ⁴	4,907		
		Validated Calendar Year Paybacks - Diversion. ⁵	0		
		Validated Calendar Year Paybacks - Consumptive Use	0		
		EOY Overrun Account Balance - Diversion. ⁶	8,833		
		Account Balance as Percent of Entitlement	52.8%		
Payback of Exhibit C Obligations					
COACHELLA VALLEY WATER DISTRICT	Payback of Exhibit C Obligations	BOY Exhibit C Balance ⁷	3,751		
		Calendar Year Paybacks ⁸	3,751		
		EOY Exhibit C Balance ⁹	0		

Footnotes:

1. This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
2. The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
3. The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
4. The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
5. Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
6. The remainder of the IOPP overrun account balance as of the end of the accounting year.
7. The beginning-of-year balance of CRWDA, Exhibit C payback obligations. This is equal to the prior year's end-of-year balance.
8. Paybacks of CRWDA, Exhibit C obligations made to the Colorado River system during the current year. The minimum payback schedule is tabulated in Exhibit C of the CRWDA.
9. End-of-year balance of CRWDA, Exhibit C payback obligations, determined by subtracting current year repayments from the beginning-of-year account balance.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2009
 STATE OF NEVADA

5/10/10

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
SOUTHERN NEVADA WATER AUTHORITY	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	248,613	269,023	300,000
		Calendar Year Overrun - Consumptive Use ³	0		
		BOY Overrun Account Balance ⁴	5,016		
		Validated Calendar Year Paybacks ⁵	5,016		
		EOY Overrun Account Balance ⁶	0		
		Account Balance as Percent of Entitlement	0.0%		

Footnotes:

1. This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
2. The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
3. The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
4. The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
5. Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
6. The remainder of the IOPP overrun account balance as of the end of the accounting year.

Exhibit C of the Colorado River Water Delivery Agreement

Exhibit C: Payback Schedule of Overruns for Calendar Years 2001 and 2002

<i>Year</i>	<i>IID</i>	<i>CVWD</i>	<i>MWD</i>	<i>Total</i>
2004	18,900	9,100	11,000	39,000
2005	18,900	9,100	11,000	39,000
2006	18,900	9,100	11,100	39,100
2007	18,900	9,100	11,100	39,100
2008	18,900	9,200	11,100	39,200
2009	18,900	9,200	11,100	39,200
2010	19,000	9,200	11,100	39,300
2011	19,000	9,200	11,100	39,300
Cumulative	151,400	73,200	88,600	313,200

Note: Each district may, at its own discretion, elect to accelerate paybacks to retire its payback obligation before the end of the eight-year period ending in calendar year 2011. Each district's payback obligation is subject to acceleration in anticipation of a shortage in the Lower Colorado River Basin as provided for in section 8(b).

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are the interstate storage and release agreements, and the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback by users within the state of obligations under Exhibit C of the Colorado River Water Delivery Agreement or the IOPP, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2009.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
 CALENDAR YEAR 2009

05/10/10

STATE	ADJUSTMENTS	ACTUAL USE
ARIZONA	Basic Apportionment ²	2,800,000
	System Conservation Water Created by YMIDD	(3,662)
	NV II(B)(6) Released to AZ for Storage for NV ³	51,387
	Intentionally Created Unused Apportionment for MWD	(27,504)
	Payback Obligations ⁴	(169)
	Total Available Colorado River Water ⁵	2,820,052
	Total Consumptive Use ⁶	2,831,711
	State Underrun or (Overrun) ⁷	(11,659)
	Overruns by Individual AZ Users	11,659
	Net State Underrun or (Overrun)	0
CALIFORNIA	Basic Apportionment ²	4,400,000
	NV II(B)(6) Released to CA for Storage for NV ³	0
	Intentionally Created Arizona Unused Apportionment for MWD	27,504
	Creation of Intentionally Created Surplus (MWD and IID) ⁸	(67,836)
	Excess Delivery to the Salton Sea for Mitigation Purposes ⁹	25
	Payback Obligations (Exhibit C) ⁴	(3,751)
	Total Available Colorado River Water ⁵	4,355,942
	Total Consumptive Use ⁶	4,358,074
	State Underrun or (Overrun) ⁷	(2,132)
	Overruns by Individual CA Users	2,112
Unauthorized Agricultural Use	20	
Net State Underrun or (Overrun)	0	
NEVADA	Basic Apportionment ²	300,000
	Intentionally Created Surplus Created	20,410
	NV II(B)(6) Available for Storage ³	(51,387)
	Total Available Colorado River Water ⁵	269,023
	Total Consumptive Use ⁶	248,613
	ICS retained in Lake Mead ⁷	20,410
	TOTAL LOWER BASIN UNUSED APPORTIONMENT	0

Footnotes:

1. This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in Arizona v. California, payback obligations of individual water users, intentionally created unused apportionment, surplus, and system conservation.
2. The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.
3. Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona or California under the appropriate SIRA.
4. The reduction in the amount of water available to the state due to repayment obligations under the CRWDA or the IOPP.
5. The total amount of Colorado River water available for use by the state in 2009.
6. The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
7. The difference between the Colorado River water available to the state and the state's actual consumptive use.
8. MWD did not take delivery of any Extraordinary Conservation ICS in 2009.
9. In 2009, 25 af was delivered to the Salton Sea in an amount greater than the conservation for Salton Sea mitigation purposes. In 2010, IID will increase conservation in order to leave an equal amount in the system.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their contractual allocation. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and used by the Imperial Irrigation District (IID). IID will then forebear the use of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles (City) in annual amounts up to 3,500 acre-feet of the initial 8,000 acre-feet available. The contract with the City establishes a framework for the City to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) recommends whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City which then offers subcontracts.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of Project water under terms that the Secretary determines will benefit the interest of Project users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City and The Metropolitan Water District of Southern California (MWD), allowing Stage 1 of the Project to be pumped at capability, without jeopardizing the Project, allowing MWD to receive as much unused water as available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the Project or its replacement.

LOWER COLORADO WATER SUPPLY PROJECT
 SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
 CALENDAR YEAR 2009

5/10/10		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LCWSP WELLFIELD PUMPAGE ¹	Total	404	325	0	74	320	197	291	378	363	374	450	508	3,684
LCWSP NON-FEDERAL CONTRACTORS ²														
City of Needles (on its own behalf)	Diversions	44	37	48	65	89	85	93	96	75	77	61	41	811
	CU	29	24	37	45	68	64	75	80	60	61	42	23	608
Needles Subcontractors														
Havasu Water Company of California	Diversions	3	3	4	5	6	7	8	7	6	5	3	3	60
Vista del Lago Resort	Diversions	1	1	1	2	2	2	3	2	2	2	1	1	20
Pacific Gas & Electric Company	Diversions	10	11	14	15	19	23	24	23	18	15	11	12	195
Southern California Gas Company	Diversions	3	3	5	5	6	8	8	8	6	5	4	4	65
Needles Other Subcontractors	Diversions	13	16	22	23	28	35	38	36	28	24	17	16	296
	Total Diversions	30	34	46	50	61	75	81	76	60	51	36	36	636
	Meas. Return	9	10	14	15	18	22	24	23	18	15	11	11	190
	Unmeas. Return	7	8	11	12	14	18	20	18	14	12	8	8	150
	CU	14	16	21	23	29	35	37	35	28	24	17	17	296
TOTAL NON-FEDERAL USE ²	Total CU	43	40	58	68	97	99	112	115	88	85	59	40	904
LCWSP PUMPING FOR NON-FEDERAL CONTRACTORS ³														904
LCWSP FEDERAL CONTRACTORS														
BLM	Diversions	21	24	32	35	45	46	58	58	38	34	31	2	424
	Returns	5	6	8	8	11	11	14	14	9	9	7	1	103
TOTAL BLM USE ⁴	CU	16	18	24	27	34	35	44	44	29	25	24	1	321
LCWSP PUMPING FOR BLM ³														321
RECLAMATION - Parker Dam and Government Camp	Diversions	7	11	16	11	9	9	10	12	8	5	7	5	110
	Returns	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RECLAMATION USE ⁵	CU	7	11	16	11	9	9	10	12	8	5	7	5	110
LCWSP PUMPING FOR RECLAMATION ³														110
Total amount of Colorado River water use offset by LCWSP pumping														1,335
LCWSP WATER AVAILABLE TO MWD ⁶														2,349

Footnotes:

1. Non-Colorado River water pumped from the LCWSP wellfield and delivered into the AAC for use by IID.
 IID forebears the diversion of this amount from the Colorado River to make water available for exchange by the LCWSP beneficiaries.
2. LCWSP non-Federal contractor (City of Needles) and subcontractors - Colorado River water use exchanged with LCWSP water.
3. The amount of LCWSP wellfield pumping exchanged for Colorado River water by the non-Federal LCWSP beneficiaries in 2009.
4. Portion of the LCWSP allocated to the BLM. Colorado River water use exchanged with LCWSP wellfield pumpage.
5. Portion of the LCWSP allocated to the Bureau of Reclamation. Colorado River water use exchanged with LCWSP wellfield pumpage.
6. This is the total amount of water pumped from the wellfield minus wellfield pumpage for each of the other LCWSP participants.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division states has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events are depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2009.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use to the 2009 ISG Annual Benchmark” demonstrates the impact of conservation and transfers on agricultural water use in California in 2009. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE TO THE 2009 ISG BENCHMARK ¹
CALENDAR YEAR 2009

Uses by California Agricultural Entities	5/10/10	Consumptive Uses	Comments
		Acre-Feet	
Palo Verde Irrigation District		284,965	
Yuma Project Reservation Division		38,447	
Yuma Island Pumpers ²		6,530	
Priorities 1, 2, 3b		329,942	
CVWD		308,560	
IID		2,566,713	
Total California Agricultural Use		3,205,215	
MWD Adjustments for Priority 1, 2, and 3b use		0	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
CVWD CRWDA Exhibit C Payback ³		3,751	
MWD-CVWD Exchange		0	
IID and CVWD reductions for PPRs		14,002	IID = 11,126 af, CVWD = 2,876 af.
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs		3,222,968	
ISG Benchmark Comparison			
2009 Agricultural Benchmark		3,530,000	See Row 7, Column 23 of Exhibit B of the CRWDA
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs		3,222,968	
Total Benchmark Overrun or (Underrun)		(307,032)	
Priority 1, 2, and 3b Use below/above 420,000 af			
Palo Verde Irrigation District		284,965	
Yuma Project Reservation Division		38,447	
Yuma Island Pumpers ²		6,530	
Total Priority 1, 2, 3b Use		329,942	
MWD reduction for Priority 1, 2, and 3b water use		0	Per Section 4.d of the CRWDA, MWD use is reduced by the sum of Priority 1, 2, and 3b use greater than 420,000 af.
Priority 1, 2, and 3b water delivered to MWD		90,058	Per Section 4.d of the CRWDA, the sum of Priority 1, 2, and 3b use that's less than 420,000 af is delivered to MWD.

Footnotes:

- Part XI, Section 5, Record of Decision of the Colorado River Interim Surplus Guidelines FEIS contain the adopted Interim Surplus Guidelines (ISG). Section 5 of the ISG contains benchmarks for aggregate California agricultural water use during each third year. Exhibit B (attached) to the CRWDA, column 22 references these ISG Benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the ISG Benchmarks. Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as all consumptive use of Priorities 1 through 3 plus 14,500 of PPR use, minus any MWD adjustment for Priority 1 through 3 use above 420,000 af.
- Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; nor is it an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.
- In accordance with section 8.a of the CRWDA, repayment of overrun amounts shall not count as compliance with transfers set forth in Exhibit B of the CRWDA or as compliance with the ISG Benchmark.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2009
 STATE OF ARIZONA

5/10/10

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2009
 STATE OF CALIFORNIA

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	5/10/10												TOTAL
	(ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WATER CONSERVATION PROGRAM ¹													105,000
IID/MWD CONSERVED WATER													
MWD REDUCTION FOR CVWD USE - IID CONSERVATION ²													12,000
IID CONSERVATION FOR TRANSFER TO SDCWA ³	2,479	4,286	8,124	9,323	7,206	4,720	14,050	9,812	0	0	0	0	60,000
IID CONSERVATION FOR TRANSFER TO SDCWA - MITIGATION ⁴	5,997	2,192	3,446	1,479	2,130	525	1,566	751	2,667	4,235	3,940	1,205	30,133
IID CONSERVATION FOR INTRA-PRIORITY TRANSFER TO CVWD ⁵	667	667	666	667	667	666	667	667	666	667	666	667	8,000
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM ⁶													144,325
ALL-AMERICAN CANAL LINING PROJECT - TOTAL CONSERVATION ⁷													65,577
ALL-AMERICAN CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁷													54,429
ALL -AMERICAN CANAL LINING PROJECT SUPPLEMENTAL WATER - MWD ⁷													11,148
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION ⁸													30,850
COACHELLA CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁸													25,759
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL WATER - MWD ⁸													4,500
COACHELLA CANAL LINING PROJECT - MITIGATION ⁸													591

Notes: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B in this report.
 Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available based upon their own schedule.

Footnotes:

- 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement, made available by IID for diversion in current year by MWD, reported as an annual total.
- MWD reduction for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program for use by CVWD. This reduction occurs at CVWD's request in accordance with the 1989 Approval Agreement as amended.
- The CRWDA specifies required conservation by IID for transfer to SDCWA. The annual amount of reduction is located in Exhibit B, Column 5 of the CRWDA.
- The water exchanged with SDCWA for delivery by exchange to the Salton Sea for mitigation purposes, made available through following within IID. In 2009, 25 af was delivered to the Salton Sea in an amount greater than the conservation for Salton Sea mitigation purposes. In 2010, IID will increase following in order to leave an equal amount in the system.
- This is water conserved by IID under an acquisition agreement between IID and CVWD dated October 10, 2003. The annual conservation amount is found in Column 8 of Exhibit B of the CRWDA.
- PVID's annual reduction in consumptive use through land fallowing. These values are recorded in Table 8 of a jointly produced report compiled by Reclamation, PVID, and MWD entitled "Calendar Year 2009 Fallowed Land Verification Report." This value represents the estimated reduction in PVID consumptive use as a result of the fallowing of up to 25,947 acres for 2009 and an additional fallowed acreage of up to 13,222 acres in accordance with the MWD 2009-2010 One-Year Emergency Fallowing Program.
- Water conserved through the construction of a new concrete lined canal parallel to the unlined All-American Canal. The Secretarial Determination of water conserved by the lining for Reaches of the project was issued in December 2009 (see Significant Documents). Water resulting from conservation was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD IID, SDCWA, and the SLRSP, dated October 10, 2003.
- Water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008. Water resulting from conservation was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003 and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2009
 STATE OF NEVADA

5/10/10

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2009
 BUREAU OF RECLAMATION

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	5/10/10 (ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YMIDD/USBR AGREEMENT FOR SYSTEM CONSERVATION ¹	311	281	311	301	311	301	311	311	301	311	301	311	3,662
ARIZONA GROUND WATER PERMIT ²	0	0	0	0	0	0	0	0	0	0	0	0	0

Footnotes:

1. Reclamation entered into a system conservation agreement with YMIDD to conserve water. In 2009, 3,662 acre-feet of water created as a result of the YMIDD System Conservation Program remained in Lake Mead.
2. In 2007, Reclamation was granted a permit to withdraw Arizona ground water for return credits to offset bypass flows to Mexico. The values shown represent the return flow credits earned in accordance with the permit in 2009.

**EXHIBIT B
QUANTIFICATION AND TRANSFERS¹**

In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Calendar Year	Priority 1, 2 and 3b	IID Priority 3a										CVWD Priority 3a						Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	¹² ISG Benchmarks	¹² Annual Targets		
			IID Priority 3a Quantified Amount	Reductions								IID Total Amount (sum of columns 4 through 11)	¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	CVWD Priority 3a Quantified Amount	Reductions			Additions			CVWD Net Consumptive Use Amount (columns 14-17 plus column 18 + 19)		
				³ IID Reduction: MWD 1988 Agreement Transfer	⁴ IID Reduction: SDCWA Transfer	⁴ IID Reduction: AAC Lining IID, SDCWA & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁸ IID Reduction: MWD Transfer with Salton Sea Restoration	⁹ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs				⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD				
1	2003	420	3,100	110	10	0	5	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740
2	2004	420	3,100	110	20	0	10	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707
3	2005	420	3,100	110	30	0	15	0	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047 ¹³	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077 ¹⁴	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

- Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
- Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
- IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
- Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
- Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
- Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.
- MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
- IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.
- Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
- For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
- For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
- All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
- Assumes SDCWA does not elect termination in year 35.
- Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

INTENTIONALLY CREATED SURPLUS WATER

On December 13, 2007, the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (Interim Guidelines) was signed. Section 3, pages 38-43 of the Interim Guidelines contains the policies and guidelines concerning the categories of, creation, delivery, and accounting for Intentionally Created Surplus (ICS) water.

Prior to the signing of the Interim Guidelines, Reclamation had in 2006, entered into letter agreements with the Imperial Irrigation District and The Metropolitan Water District of Southern California to implement a demonstration program for the development of ICS. The demonstration program covered the creation of ICS water during calendar years 2006 and 2007. "ICS water" in this program referred to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona v. California*, 547 U.S. 150 (2006) (Consolidated Decree) as ICS. The demonstration program required the creation of ICS water through extraordinary conservation. Beginning in 2008, the creation and use of ICS water is governed by the Interim Guidelines.

Under the Interim Guidelines four types of ICS water may be created by an approved contractor: Extraordinary Conservation ICS, Tributary Conservation ICS, System Efficiency ICS, and Imported ICS. Also stipulated in the Interim Guidelines are the limits as to how much ICS water of each type may be created each year and in total, as well as how much ICS water may be delivered by the Secretary each year.

The following conditions apply to ICS water:

- 1) During the year of creation, and with the exception of System Efficiency ICS, five percent of the ICS water created will be dedicated to system storage to provide a collective storage benefit for Colorado River users,
- 2) An annual evaporation loss of three percent will be applied to the remaining ICS water beginning the year after its creation,
- 3) Under flood control releases ICS water will be the first released, and
- 4) In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS.

The Secretary is responsible for approving plans for the creation of ICS water, allowing for their modification, and developing procedures to account for and verify ICS creation and delivery.

Copies of the demonstration program agreements and the Interim Guidelines can be found in the Significant Documents section of the report.

INTENTIONALLY CREATED SURPLUS BALANCES
BY STATE, USER, AND TYPE OF ICS
CALENDAR YEAR 2009

5/10/10

(ACRE-FEET)

State	User	ICS Type	Year	BOY Balance	Creation ²	IOPP Payback ³	System Benefit ⁴	Evaporation Loss ⁵	Diversion ⁶	EOY Balance ⁷
Note: Rows hi-lighted to improve readability only.										
ARIZONA	CAP	System Efficiency - Drop 2	2008	100,000	0	0	NA	NA	0	100,000
			2009	100,000	0	0	NA	NA	0	100,000
CALIFORNIA	MWD	Extraordinary Conservation ¹	2006	0	50,000	7,619	2,119	0	0	40,262
			2007	40,262	2,382	0	119	1,127	0	41,398
			2008	41,398	0	0	0	853	12,976	27,573
			2009	27,573	55,836	0	2,792	827	0	79,790
	MWD	System Efficiency - Drop 2	2008	0	100,000	0	NA	NA	34,000	66,000
			2009	66,000	0	0	NA	NA	0	66,000
	IID	Extraordinary Conservation ⁸	2009	0	12,000	0	600	0	0	11,400
NEVADA	SNWA	Tributary Conservation	2008	0	10,457	312	507	0	9,638	0
	SNWA	Tributary Conservation	2009	0	26,500	5,016	1,074	0	0	20,410
	SNWA		0 2009	400,000	0	0	NA	NA	0	400,000
Total ICS stored in Lake Mead: EOY 2009										677,600

Footnotes:

- In 2006, Reclamation entered into separate agreements with MWD and IID to implement a demonstration program to create Extraordinary Conservation Intentionally Created Surplus (ICS) during 2006 and 2007 and are available for review in the Significant Documents portion of this report. These agreements have been superceded by the Interim Shortage Guidelines.
- The amount of ICS water created by the contractor during the calendar year. Unless noted, all current year values displayed in this column are provisional until verified by Reclamation.
- In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. In 2009, the contractor's ICS account shall be reduced by the full overrun payback balance before the amount of ICS credits available to the contractor is calculated.
- In accordance with 3.B.2. of the Interim Guidelines, there shall be a one-time deduction of five percent (5%) from the amount of ICS in the year of creation. This system assessment shall result in additional system water in storage in Lake Mead.
- Under the Demonstration Program, the balance of the ICS water shall be subject to an evaporation loss of 2.8 percent in the year following the creation of ICS water. Beginning in calendar year 2008, the evaporation loss factor is 3.0 percent, per the Interim Guidelines.
- Diversion of ICS water.
- The EOY balance of ICS water including creation and reductions taking place in the accounting year. The 2008 MWD value has been adjusted upward by 4 af due to a correction in the sum of Yuma Island values reported in the 2008 Colorado River Accounting and Water Use Report.
- In 2009, IID created 1,797 acre-feet of water by efficiency conservation that became Colorado River System water and made available to MWD.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2009

These documents provide the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2009.

The compact disc (CD) located in the pocket on the back cover of this report contains the documents significant to the delivery of Colorado River water in 2009. These electronically filed documents are in searchable Acrobat® (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms on page one of this report. Anyone desiring additional water accounting information is encouraged to log on to the following website, where all previous water accounting reports can be viewed and complete PDF files may be downloaded at: www.usbr.gov/lc/region/g4000/wtracct.html.

RECORDS OF DECISION:

The Record of Decision for Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead.

- CD file name: 2007 ROD Interim Guidelines-Shortages-Coordinated Operations.pdf

REPORTS:

2009 Annual Operating Plan (AOP) Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2009 considering current and anticipated conditions.

- CD file name: 2009 AOP Executive Summary.pdf

DETERMINATIONS:

Interim Determination for the Coachella Canal Lining Project

The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the Coachella Canal Lining Project.

- CD file name: CCLP Lining Interim Determination.pdf

Interim Determination for the All-American Canal Lining Project

The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result the All-American Canal Lining Project.

- CD file name: AAC Lining Interim Determination.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2009

AGREEMENTS:

Demonstration Program for System Conservation of Colorado River Water

This is an agreement between YMIDD and Reclamation, to conserve 3,500 acre-feet of Colorado River water through December 31, 2009, through the voluntary fallowing of approximately 500 acres of farmland within YMIDD boundaries.

- CD file name: BR-YMIDD System Conservation Agreement 10-7-2008

INTENTIONALLY CREATED SURPLUS PLANS:

SNWA's plan of creation of Tributary Conservation Intentionally Created Surplus (ICS) for calendar years 2008-2009

This is a plan for the creation of Tributary and Conservation ICS for calendar years 2008-2009 by SNWA

- CD file name: SNWA ICS Plan 2008 – 2009.pdf

MWD's plan of creation for Extraordinary Conservation Intentionally Created Surplus (ICS) for calendar year 2009

This is a plan for the creation of Extraordinary Conservation ICS through fallowing within the Palo Verde Irrigation District for calendar year 2009.

- CD file name: MWD Extraordinary Conservation ICS plan 09-14-2009.pdf

IID's plan of creation for Extraordinary Conservation Intentionally Created Surplus (ICS) for calendar year 2009

This is a plan for the creation of Extraordinary Conservation ICS through fallowing and seepage recovery within IID for calendar year 2009.

- CD file name: 2009 IID Extraordinary Conservation ICS plan 12-08-2008.pdf

LETTERS:

A letter from Reclamation to SNWA verifying the amount Tributary Conservation ICS created During CY 2008

- CD file name: Verification of CY 2008 Nevada ICS 05-08-2010.pdf

A letter from AWBA to Reclamation estimating the amount of Nevada apportionment AWBA plans to store for Nevada in 2009

- CD file name: ABWA Nevada water banking estimate for 2009 04-03-2009.pdf

A letter from SNWA to Reclamation requesting to store 2009 Nevada unused apportionment in Arizona

- CD file name: SNWA availability to store NV unused apportionment with AWBA 11-04-2009.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2009

LETTERS: (continued)

A letter from CAP to Reclamation indicating its willingness to store Nevada 2009 unused apportionment

- CD file name: CAP availability to store NV unused apportionment 10-28-2009.pdf

A letter from SNWA to Reclamation requesting to store 2009 Nevada unused apportionment in California

- CD file name: SNWA availability to store NV unused apportionment with MWD 10-07-2009.pdf

A letter from MWD to Reclamation declaring its willingness to store Nevada unused apportionment for calendar year 2009

- CD file name: MWD to BR willingness to store NV unused apportionment 11-30-2009.pdf

A letter from AWBA to Reclamation declaring its willingness to store Nevada unused apportionment for calendar year 2009

- CD file name: ABWA-BR willingness to store 40k of NV unused apportionment 11-20-2009.pdf

A letter from Reclamation to ABWA and CAWCD confirming ABWA's and CAWCD's ability to store Nevada's 2009 unused apportionment

- CD file name: AWBA ability to store NV unused apportionment 12-28-2009.pdf

A letter from Reclamation to MWD confirming its ability to store Nevada's 2009 unused apportionment

- CD file name: MWD ability to store NV unused apportionment 12-28-2009.pdf

A letter from Reclamation to SNWA authorizing the release of Nevada 2009 unused apportionment to MWD and AWBA

- CD file name: BR to SNWA authorization to store NV unused apportionment with MWD and AWBA 12-28-2009.pdf

A letter from MWD to Reclamation delineating the amount of water banked by MWD for SNWA through 2009

- CD File name: 2009 Water banking accounting for SNWA by MWD 03-25-2010

A letter from ABWA to Reclamation delineating the provisional amount of water banked by AWBA for SNWA in 2009

- CD file name: 2009 Water banking accounting for SNWA by AWBA 03-25-2010

A letter from SNWA to Reclamation requesting that the water accounting report reflect that all 2009 Nevada unused apportionment was stored in Arizona by AWBA and all ICS created by SNWA during 2009 as left in Lake Mead or used to repay 2008 overruns.

- CD file name: SNWA unused apportionment and ICS - 2009 03-18-2010.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2009

LETTERS: (continued)

A letter from MWD to CAWCD with a cc to Reclamation confirming the amount of long term storage credits to be recovered in 2009 by CAWCD for MWD.

- CD file name: MWD recovery of IUS Credits 09-09-2008.pdf

A letter from AWBA to Reclamation indicating the amount of Interstate Underground Storage Credits it intends to create for MWD in 2009.

- CD file name: AWBA to BR creation of ICUA for MWD in 2009 12-23-2008.pdf

A letter from MWD to CAWCD and Reclamation revising the amount of long-term storage credits to be recovered in 2009 by CAWCD for MWD.

- CD file name: MWD revised recovery of IUS Credits 11-19-2009.pdf

A letter from CVWD to Reclamation indicating the estimated amount of water available in 2009 for environmental mitigation as a result the Coachella Canal Lining Project.

- CD file name: CCLP Mitigation Water for 2009 11-16-2009.pdf

A report from J.M. Lord detailing how CVWD will repay the remainder of its Schedule C obligation in 2009.

- 2009 CVWD Final Exhibit C Payback Plan

A letter from Gila Monster Farms detailing a plan to continue to payback in 2009 inadvertent overruns incurred in 2007.

- CD file name: Gila Monster Farms 2009 IOP Plan 05-04-2009.pdf

MAPS:

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations for Arizona and California.

- CD file name: USGS Pump Maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2010



U.S. Department Of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report

Arizona, California, and Nevada

Calendar Year 2010

Prepared by

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**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
Water Conservation & Accounting Group**

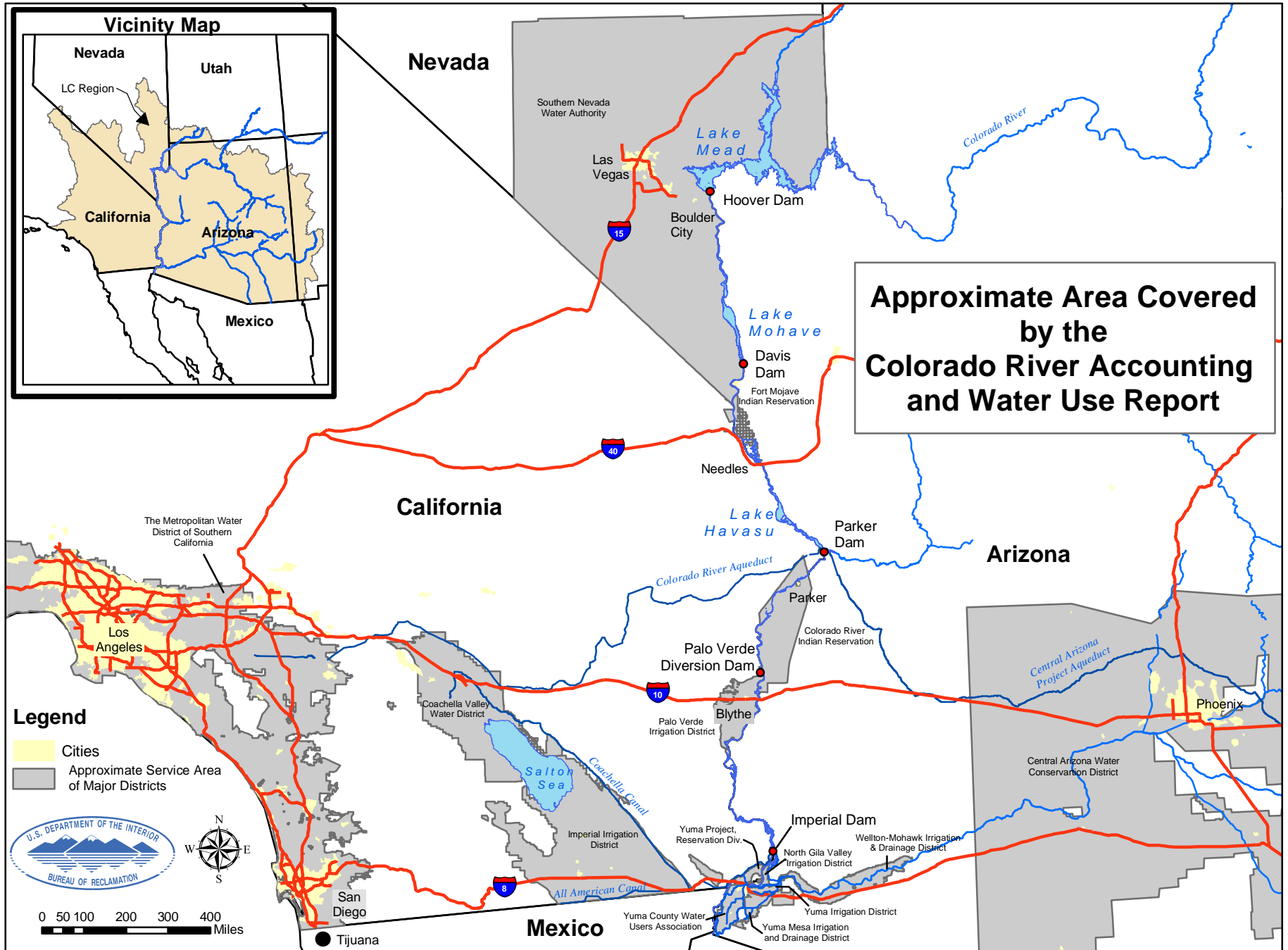


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Acronyms and Abbreviated Terms

These acronyms and abbreviations are found in the text, footnotes, and headings within this document

AAC	All-American Canal	Ftns	Footnotes
AACLP	All-American Canal Lining Project	FYIR	Fort Yuma Indian Reservation
af	acre-feet	GGMC	Gila Gravity Main Canal
ADP	Arizona diesel pump	ICUA	intentionally created unused apportionment
ADW	Arizona diesel well	I.D.D.	irrigation and drainage district
AEP	Arizona electric pump	IBWC	International Boundary and Water Commission
AEW	Arizona electric well	ICS	Intentionally Created Surplus
ALTSC	accumulated long term storage credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOPP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	ISG	Colorado River Interim Surplus Guidelines
ASLD	Arizona State Land Department	IUS	Interstate Underground Storage credits
Assn.	Association	kaf	kilo (thousand) acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning of year	LLC	Limited Liability Company
BR	Bureau of Reclamation	LTD	Limited
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CCLP	Coachella Canal Lining Project	MWD	The Metropolitan Water District of Southern California
CDP	California diesel pump	MOD	Main Outlet Drain
CDW	California diesel well	MODE	Main Outlet Drain Extension
CDEW	California diesel electric well	M&I	municipal and industrial
CEP	California electric pump	NWR	National Wildlife Refuge
CEW	California electric well	NIB	Northerly International Boundary
CFR	Code of Federal Regulations	PG & E	Pacific Gas and Electric Company
CO	Colorado	PVID	Palo Verde Irrigation District
CR	Colorado River	QSA	Quantification Settlement Agreement
CRBC	Colorado River Board of California	Res	Reservation
CRCN	Colorado River Commission of Nevada	SCE	Southern California Edison Company
CRIT	Colorado River Indian Tribes	SIB	Southerly International Boundary
CRWDA	Colorado River Water Delivery Agreement	SIRA	Storage and Interstate Release Agreement
CU	consumptive use	SDCWA	San Diego County Water Authority
CVWD	Coachella Valley Water District	SLRSP	San Luis Rey Settlement Parties
CY	calendar year	SNWA	Southern Nevada Water Authority
Diff.	difference	USGS	United States Geological Survey
Dist.	district	YAO	Yuma Area Office (Reclamation)
Div	diversion	YDP	Yuma Desalting Plant
DPOC	drainage pump outlet channel	YFO	Yuma Field Office (BLM)
ET	evapotranspiration	YID	Yuma Irrigation District
EOY	end of year	YMIDD	Yuma Mesa Irrigation and Drainage District
FEIS	Final Environmental Impact Statement		

SUMMARY
 COLORADO RIVER ACCOUNTING AND WATER USE REPORT
 CALENDAR YEAR 2010

5/12/11

(ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY														
ARIZONA	135,447	117,331	218,000	278,902	302,751	309,364	217,618	229,979	290,441	248,075	214,994	217,465	2,780,367	
CALIFORNIA	183,385	174,030	375,260	389,511	481,904	441,951	501,023	467,149	430,782	348,168	328,769	234,907	4,356,839	
NEVADA	6,654	5,400	12,305	19,249	28,041	28,120	34,322	33,449	23,184	23,914	17,359	9,440	241,437	
TOTAL CONSUMPTIVE USE - LOWER DIVISION STATES	325,486	296,761	605,565	687,662	812,696	779,435	752,963	730,577	744,407	620,157	561,122	461,812	7,378,643	
TO MEXICO IN SATISFACTION OF TREATY ¹	121,598	140,231	214,968	195,356	104,228	112,423	122,685	95,542	89,308	75,999	109,322	118,340	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC	11,286	8,969	12,059	11,616	9,316	6,829	4,886	3,863	10,342	13,799	12,692	11,807	117,464	
TO MEXICO IN EXCESS OF TREATY	52,787	664	18,056	14,139	9,941	246	3,367	5,039	3,427	30,186	4,646	28,826	171,324	
TOTAL CU. LOWER DIVISION STATES AND DELIVERIES TO MEXICO ²	511,158	446,625	850,648	908,773	936,181	898,933	883,900	835,021	847,485	740,141	687,783	620,785	9,167,431	
LCWSP WELLFIELD PUMPING SUMMARY ³														
													NON-FEDERAL	4,662
													FEDERAL	442
													TOTAL	5,104
RESERVOIR CONTENTS SUMMARY	EOY 2009	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
LOWER BASIN TOTAL STORAGE ⁴	13,312	13,826	14,008	13,790	13,602	13,263	12,874	12,664	12,606	12,227	12,010	12,075	12,533	-779
LOWER BASIN STORAGE PLUS LAKE POWELL ⁵	27,746	27,817	27,788	27,491	27,418	27,668	28,738	28,260	27,975	27,494	27,325	26,963	27,002	-744
PERCENTAGE OF ACTIVE STORAGE - LOWER BASIN PLUS POWELL	52.7%	52.9%	52.8%	52.2%	52.1%	52.6%	54.6%	53.7%	53.2%	52.2%	51.9%	51.2%	51.3%	
OFFSTREAM INTERSTATE STORAGE SUMMARY		BOY Balance		2010 Storage		2010 Recovered		EOY Balance						
WATER STORED IN AZ FOR THE BENEFIT OF NV AND CA ⁶	NEVADA		582,412		17,480		0		599,892					
	CALIFORNIA		8,159		0		8,159		0					
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV	NEVADA		70,000		0		0		70,000					

Note: Each section of this report and each sub-section within a section, has an independant sequence of footnotes.

- Footnotes:**
1. Deliveries to Mexico to satisfy treaty obligations.
 2. Sum of Total Consumptive Use in the Lower Division States, Deliveries to Mexico in Satisfaction of Treaty, Water Bypassed Pursuant to Minute No. 242 of the IBWC and water passing to Mexico in excess of treaty obligations.
 3. Pumpage from the Lower Colorado Water Supply Project wellfield to offset certain Colorado River water use in California.
 4. Sum of end-of-month storage in Lower Basin Lakes Mead, Mohave, and Havasu. Values displayed are in thousands of acre-feet.
 5. Sum of end-of-month storage in Upper Basin Lake Powell and Lower Basin Lakes Mead, Mohave, and Havasu. Values displayed are in thousands of acre-feet.
 6. The value, 17,480 acre-feet, is provisional until verified by the Arizona Water Banking Authority.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2010

	5/12/11	THOUSAND ACRE-FEET ¹												CHANGE ²
	EOY 2009	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
END OF MONTH ACTIVE CONTENTS														
LAKE POWELL	14,434	13,991	13,780	13,701	13,816	14,405	15,864	15,596	15,369	15,267	15,315	14,888	14,469	35
PERCENTAGE OF POWELL ACTIVE STORAGE ³	59.3%	57.5%	56.7%	56.3%	56.8%	59.2%	65.2%	64.1%	63.2%	62.8%	63.0%	61.2%	59.5%	
LAKE MEAD	11,162	11,493	11,780	11,550	11,313	10,987	10,556	10,357	10,352	10,092	9,971	9,936	10,301	-861
LAKE MOHAVE	1,582	1,736	1,680	1,676	1,697	1,680	1,726	1,714	1,670	1,575	1,437	1,567	1,650	68
LAKE HAVASU	568	597	548	564	592	596	592	592	584	560	602	572	582	14
STORAGE IN LOWER BASIN ⁴	13,312	13,826	14,008	13,790	13,602	13,263	12,874	12,664	12,606	12,227	12,010	12,075	12,533	-779
PERCENTAGE OF CO RIVER ACTIVE STORAGE IN THE LOWER BASIN ⁵	47.0%	48.8%	49.5%	48.7%	48.1%	46.9%	45.5%	44.7%	44.5%	43.2%	42.4%	42.7%	44.3%	
LOWER BASIN STORAGE PLUS LAKE POWELL ⁶	27,746	27,817	27,788	27,491	27,418	27,668	28,738	28,260	27,975	27,494	27,325	26,963	27,002	-744
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL ⁷	52.7%	52.9%	52.8%	52.2%	52.1%	52.6%	54.6%	53.7%	53.2%	52.2%	51.9%	51.2%	51.3%	
TOTAL SYSTEM STORAGE ⁸	33,143	33,092	32,977	32,714	32,865	33,218	34,694	34,147	33,743	33,072	32,779	32,365	32,370	-773
PERCENTAGE OF TOTAL SYSTEM STORAGE ⁹	55.8%	55.7%	55.5%	55.1%	55.3%	55.9%	58.4%	57.5%	56.8%	55.7%	55.2%	54.5%	54.5%	

Note: For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

Footnotes:

1. Actual values may differ slightly from the displayed values due to rounding and being displayed to the nearest thousand acre-feet.
2. "CHANGE" is the difference in the end-of-month storage between mid-night December 31 of the previous year and mid-night December 31 for the reporting year. A positive value represents an increase in the amount of water in storage, and a negative value indicates a decrease in the amount of water in storage.
3. Percentage of total active storage capacity available in Lake Powell. Based on total active storage capacity of 24,322,000 af.
4. The sum of end-of-month storage in Lakes Mead, Mohave, and Havasu.
5. The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on active storage capacity of 28,306,000 af.
6. The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).
7. The percentage of available total active storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on total active storage capacity of 52,628,000 af.
8. Total end-of-month system storage, includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River system.
9. The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total active system storage capacity of 59,383,000 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

In accordance with Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, “The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.”

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulation, for calendar year 2010, shows the final records for release of water through regulatory structures controlled by the United States. Releases from Glen Canyon and Hoover Dams are measured and reported by Reclamation. The Davis, Parker, Palo Verde, Imperial, and Laguna Dams records of release are furnished by the USGS and are based upon measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

STRUCTURE	CALENDAR YEAR 2010												TOTAL	
	5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
GLEN CANYON DAM		900,478	630,501	602,349	601,915	601,342	600,984	802,463	801,694	480,189	495,480	809,825	846,584	8,173,804
HOOVER DAM		634,322	400,427	889,313	932,990	960,947	1,007,173	940,805	828,841	758,480	637,585	799,870	660,041	9,450,794
DAVIS DAM		501,100	465,000	919,600	951,500	1,017,000	991,400	971,700	896,700	891,600	824,300	696,800	600,600	9,727,300
PARKER DAM		234,000	325,200	669,500	688,200	685,200	674,400	753,500	645,000	579,400	475,300	433,900	287,600	6,451,200
HEADGATE ROCK DAM ¹		222,610	305,160	617,410	622,620	612,200	595,690	668,820	561,690	511,720	438,620	402,350	259,680	5,818,570
PALO VERDE DIVERSION DAM		240,300	278,500	566,700	569,600	540,500	489,300	579,600	465,600	449,300	374,500	354,000	261,200	5,169,100
IMPERIAL DAM ²		35,450	20,950	34,300	30,180	39,560	34,030	24,370	35,060	34,020	66,460	31,300	34,290	419,970
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL		459	448	634	602	625	615	616	570	602	575	426	388	6,560
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		35,909	21,398	34,934	30,782	40,185	34,645	24,986	35,630	34,622	67,035	31,726	34,678	426,530
LAGUNA DAM		43,880	24,250	42,200	31,780	39,210	37,780	26,310	36,740	37,920	58,590	31,400	34,710	444,770

Note: All data is supplied by the USGS with the exception of the releases from Glen Canyon Dam and Hoover Dam, which are provided by Reclamation.

Footnotes:

1. Computed as Parker Dam release minus diversion at Headgate Rock Dam.
2. Represents flow below Imperial Dam alone and does not include diversions through the All-American Canal and the Gila Gravity Main Canal.

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH
ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT
IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2010 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished by the U.S. Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam, were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each state. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream, and consumptive use are listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. The USGS field verifies the crops being grown and uses evapotranspiration methodologies to estimate the crop use, then applies irrigation efficiency

coefficients to derive the diversions. Unmeasured returns are computed by multiplying a user's diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice an error or omission, please report it to the contact person listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF ARIZONA

WATER USER	Ftnts	5/12/11												TOTAL ¹
		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)		3	1	3	4	7	12	14	16	15	2	11	7	95
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		3	1	3	4	7	12	14	16	15	2	11	7	95
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)		11	8	9	9	14	15	18	18	18	14	15	13	162
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		11	8	9	9	14	15	18	18	18	14	15	13	162
LOWER COLORADO RIVER DAMS PROJECT														
DIVERSION AT DAVIS DAM		2	2	2	1	6	3	25	18	2	3	2	2	68
		2	1	2	1	6	3	25	18	2	2	2	2	66
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	1	0	0	0	0	0	0	0	1	0	0	2
BULLHEAD CITY														
PUMPED FROM WELLS		648	568	702	722	824	1,051	1,043	1,064	958	857	723	663	9,823
MOHAVE COUNTY PARKS DIVERSION AT DAVIS DAM		4	0	7	8	14	10	14	14	9	4	3	1	88
		0	0	0	0	0	0	0	0	0	0	0	0	0
		215	187	234	241	277	350	349	356	319	284	240	219	3,271
		437	381	475	489	561	711	708	722	648	577	486	445	6,640
MOHAVE WATER CONSERVATION DISTRICT														
PUMPED FROM WELLS		56	54	60	72	70	89	94	85	80	77	64	62	863
		0	0	0	0	0	0	0	0	0	0	0	0	0
		18	18	20	24	23	29	31	28	26	25	21	20	283
		38	36	40	48	47	60	63	57	54	52	43	42	580
BROOKE WATER LLC														
PUMPED FROM RIVER		27	24	24	32	28	34	40	43	40	37	32	30	391
		0	0	0	0	0	0	0	0	0	0	0	0	0
		9	8	8	11	9	11	13	14	13	12	11	10	129
		18	16	16	21	19	23	27	29	27	25	21	20	262
MOHAVE VALLEY I.D.D.														
PUMPED FROM WELLS		523	636	1,792	2,451	2,751	3,256	3,451	3,671	2,396	2,006	1,709	1,358	26,000
		0	0	0	0	0	0	0	0	0	0	0	0	0
		241	293	824	1,127	1,265	1,498	1,587	1,689	1,102	923	786	625	11,960
		282	343	968	1,324	1,486	1,758	1,864	1,982	1,294	1,083	923	733	14,040
FORT MOHAVE INDIAN RESERVATION														
AGRICULTURAL - RIVER PUMPS		1,093	2,164	3,388	4,510	5,245	10,177	12,566	10,039	4,254	1,398	2,416	1,968	59,218
DOMESTIC - WELLS	2	83	92	176	173	177	174	294	235	268	261	137	208	2,278
		0	0	0	0	0	0	0	0	0	0	0	0	0
		541	1,038	1,639	2,154	2,494	4,761	5,916	4,726	2,080	763	1,174	1,001	28,287
		635	1,218	1,925	2,529	2,928	5,590	6,944	5,548	2,442	896	1,379	1,175	33,209
GOLDEN SHORES WATER CONSERVATION DISTRICT														
PUMPED FROM WELLS	3	19	24	33	36	44	53	58	55	44	37	26	25	454
		0	0	0	0	0	0	0	0	0	0	0	0	0
		6	8	11	12	15	17	19	18	15	12	9	8	150
		13	16	22	24	29	36	39	37	29	25	17	17	304
HAVASU NATIONAL WILDLIFE REFUGE														
TOPOCK INLET CANAL	4	125	434	3,711	4,880	4,603	4,667	4,434	3,169	3,387	2,590	343	90	32,433
FARM DITCH		0	64	713	779	818	797	726	561	458	183	37	0	5,136
WELL	3	10	11	15	17	20	25	27	26	20	17	12	12	212
		0	0	0	0	0	0	0	0	0	0	0	0	0
		119	448	3,906	4,995	4,788	4,830	4,565	3,305	3,401	2,455	345	90	33,247
		16	61	533	681	653	659	622	451	464	335	47	12	4,534
LAKE HAVASU CITY														
WELLS		879	800	898	1,008	1,173	1,291	1,409	1,458	1,301	1,107	920	781	13,025
		0	0	0	0	0	0	0	0	0	0	0	0	0
		334	304	341	383	446	491	535	554	494	421	350	297	4,950
		545	496	557	625	727	800	874	904	807	686	570	484	8,075

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF ARIZONA

		5/12/11												TOTAL ¹	
WATER USER		Ftnts	(ACRE-FEET)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU			126,294	90,880	128,306	153,154	171,813	170,755	49,808	84,097	170,650	165,628	158,819	182,563	1,652,767
	DIVERSION		126,294	90,880	128,306	153,154	171,813	170,755	49,808	84,097	170,650	165,628	158,819	182,563	1,652,767
	MEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		126,294	90,880	128,306	153,154	171,813	170,755	49,808	84,097	170,650	165,628	158,819	182,563	1,652,767
TOWN OF PARKER PUMPED FROM RIVER WELL		5	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERSION		0	0	0	0	0	0	0	0	0	0	0	0	0
	MEASURED RETURNS		47	43	57	65	80	89	97	91	83	68	53	50	823
	UNMEASURED RETURNS		23	24	25	23	24	25	28	25	25	24	24	24	294
	CONSUMPTIVE USE		13	12	16	19	23	25	28	26	24	19	15	14	234
	CONSUMPTIVE USE		11	7	16	23	33	39	41	40	34	25	14	12	295
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 RIVER PUMPS AND DOMESTIC		6	11,390	20,040	52,090	65,580	73,000	78,710	84,680	83,310	67,680	36,680	31,550	27,920	632,630
	DIVERSION		11,390	20,040	52,090	65,580	73,000	78,710	84,680	83,310	67,680	36,680	31,550	27,920	632,630
	MEASURED RETURNS		493	580	785	853	1,045	1,251	1,368	1,309	1,054	879	638	619	10,874
	UNMEASURED RETURNS		11,994	13,649	19,222	23,167	21,533	18,322	19,177	20,641	22,104	19,448	19,577	20,426	229,260
	CONSUMPTIVE USE		654	1,134	2,908	3,654	4,072	4,398	4,733	4,654	3,780	2,066	1,770	1,570	35,393
	CONSUMPTIVE USE		-765	5,837	30,745	39,612	48,440	57,241	62,138	59,324	42,850	16,045	10,841	6,543	378,851
EHRENBURG IMPROVEMENT ASSOCIATION PUMP FROM RIVER			28	26	31	34	39	47	51	48	43	38	34	28	447
	DIVERSION		28	26	31	34	39	47	51	48	43	38	34	28	447
	MEASURED RETURNS		3	2	3	3	2	4	5	3	2	2	2	1	32
	UNMEASURED RETURNS		8	7	9	10	11	13	15	14	12	11	10	8	128
	CONSUMPTIVE USE		17	17	19	21	26	30	31	31	29	25	22	19	287
CIBOLA VALLEY CIBOLA VALLEY I.D.D. MOHAVE COUNTY WATER AUTHORITY			151	463	652	1,031	1,082	1,329	1,605	1,350	1,279	723	547	397	10,609
	DIVERSION		151	463	652	1,031	1,082	1,329	1,605	1,350	1,279	723	547	397	10,609
	MEASURED RETURNS		168	201	251	434	514	602	638	680	474	127	61	128	4,278
	UNMEASURED RETURNS		0	0	88	223	547	858	996	1,056	632	382	96	20	4,898
	CONSUMPTIVE USE		81	226	76	72	299	399	432	428	378	131	85	74	2,681
	MEASURED RETURNS		135	161	202	350	414	484	513	548	381	102	49	103	3,442
	UNMEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		152	300	362	601	814	1,047	1,192	1,158	896	418	239	206	7,385
	CONSUMPTIVE USE		383	751	907	1,509	2,042	2,625	2,992	2,904	2,248	1,047	599	516	18,523
CIBOLA NATIONAL WILDLIFE REFUGE 3 RIVER PUMPS			625	564	625	1,875	1,937	1,875	2,185	2,115	2,185	1,310	1,268	1,311	17,875
	DIVERSION		625	564	625	1,875	1,937	1,875	2,185	2,115	2,185	1,310	1,268	1,311	17,875
	MEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS		238	214	238	713	736	713	830	804	830	498	482	498	6,794
	CONSUMPTIVE USE		387	350	387	1,162	1,201	1,162	1,355	1,311	1,355	812	786	813	11,081
IMPERIAL NATIONAL WILDLIFE REFUGE 4 RIVER PUMPS			197	178	197	152	156	152	353	342	353	184	178	184	2,626
	DIVERSION		197	178	197	152	156	152	353	342	353	184	178	184	2,626
	MEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS		75	68	75	58	59	58	134	130	134	70	68	70	999
	CONSUMPTIVE USE		122	110	122	94	97	94	219	212	219	114	110	114	1,627
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS			0	1	1	1	0	0	0	0	0	0	0	0	3
	DIVERSION		0	1	1	1	0	0	0	0	0	0	0	0	3
	MEASURED RETURNS		30	25	24	44	108	133	91	92	94	51	55	35	782
	UNMEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		30	26	25	45	108	133	91	92	94	51	55	35	785
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM		7	141	286	633	1,034	1,053	941	664	502	674	784	530	215	7,457
	DIVERSION		141	286	633	1,034	1,053	941	664	502	674	784	530	215	7,457
	MEASURED RETURNS		9	10	45	69	68	59	39	30	33	28	37	14	441
	UNMEASURED RETURNS		54	109	241	393	400	358	252	191	256	298	201	82	2,835
	CONSUMPTIVE USE		78	167	347	572	585	524	373	281	385	458	292	119	4,181
WELLTON-MOHAWK I.D.D. DIVERSION AT IMPERIAL DAM		8	11,449	14,182	35,599	43,289	40,452	40,918	45,172	41,194	38,626	29,450	21,847	16,826	379,004
	DIVERSION		11,449	14,182	35,599	43,289	40,452	40,918	45,172	41,194	38,626	29,450	21,847	16,826	379,004
	GGMC RETURN		747	522	2,673	3,032	2,739	2,680	2,793	2,552	1,987	1,109	1,574	1,158	23,566
	DOVE RETURN		1,018	679	215	0	700	554	555	518	343	467	584	769	6,402
	MOD RETURN		9,780	9,040	9,990	9,370	9,940	9,590	7,240	6,000	9,700	9,980	10,440	9,730	110,800
	RETURNS, TOTAL		11,545	10,241	12,878	12,402	13,379	12,824	10,588	9,070	12,030	11,556	12,598	11,657	140,768
	UNMEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		-96	3,941	22,721	30,887	27,073	28,094	34,584	32,124	26,596	17,894	9,249	5,169	238,236

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF ARIZONA

WATER USER	Ftnts	5/12/11 (ACRE-FEET)												TOTAL ¹
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1,147	981	1,279	1,327	1,666	1,803	2,018	1,921	1,854	1,582	1,453	1,216	18,247
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	506	408	492	277	455	454	457	652	656	654	600	967	6,578
PUMP DIVERSION FOR YUMA EAST WETLANDS	DIVERSION	6	5	11	15	22	25	30	27	20	12	8	4	185
	MEASURED RETURNS	856	755	837	970	1,284	1,180	1,391	917	894	858	856	818	11,616
	UNMEASURED RETURNS	2	2	4	5	8	9	11	9	7	4	3	1	65
	CONSUMPTIVE USE	801	637	941	644	851	1,093	1,103	1,674	1,629	1,386	1,202	1,368	13,329
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	66	58	69	114	135	146	162	150	141	102	97	81	1,321
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	66	58	69	114	135	146	162	150	141	102	97	81	1,321
UNION PACIFIC RAILROAD (SOUTHERN PACIFIC COMPANY)														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	0	4	4	0	4	4	4	4	4	40
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	2	2	2	0	2	2	0	2	2	2	2	2	20
	CONSUMPTIVE USE	2	2	2	0	2	2	0	2	2	2	2	2	20
YUMA MESA FRUIT GROWERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM	DIVERSION	36	35	43	43	86	92	77	105	83	63	60	29	752
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	36	35	43	43	86	92	77	105	83	63	60	29	752
YUMA UNION HIGH SCHOOL DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	9	10	9	10	22	24	21	29	25	0	40	21	220
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	2	3	2	3	6	6	5	7	6	0	10	5	55
	CONSUMPTIVE USE	7	7	7	7	16	18	16	22	19	0	30	16	165
YUMA MESA GRAPEFRUIT COMPANY (CAMILLE ALLEC JR.)														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	6	0	12	0	27	0	36	0	35	0	11	127
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	2	0	4	0	8	0	11	0	11	0	3	39
	CONSUMPTIVE USE	0	4	0	8	0	19	0	25	0	24	0	8	88
NORTH GILA VALLEY I.D.D.														
DIVERSION AT IMPERIAL DAM	DIVERSION	1,565	1,842	3,417	4,175	5,234	4,917	5,158	2,829	3,430	4,245	3,989	3,067	43,868
	MEASURED RETURNS	1,501	1,490	2,174	2,419	2,863	2,631	2,800	1,707	2,108	2,876	2,989	2,556	28,114
	UNMEASURED RETURNS	214	252	468	572	717	674	707	388	470	582	546	420	6,010
	CONSUMPTIVE USE	-150	100	775	1,184	1,654	1,612	1,651	734	852	787	454	91	9,744
YUMA IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	1,787	3,118	6,653	7,666	7,777	6,016	6,083	6,449	5,776	5,274	4,741	3,149	64,489
PUMPED FROM PRIVATE WELLS	DIVERSION	39	15	95	38	88	60	60	32	62	105	88	57	739
	MEASURED RETURNS	566	744	1,813	2,106	2,064	1,586	1,579	1,855	1,496	1,352	1,415	957	17,533
	UNMEASURED RETURNS	389	667	1,437	1,641	1,675	1,294	1,308	1,380	1,243	1,146	1,029	683	13,892
	CONSUMPTIVE USE	871	1,722	3,498	3,957	4,126	3,196	3,256	3,246	3,099	2,881	2,385	1,566	33,803
YUMA MESA I. D. D.														
DIVERSION AT IMPERIAL DAM	DIVERSION	5,445	7,272	12,899	14,940	17,920	23,493	25,250	24,304	21,231	14,351	11,171	9,496	187,772
	MEASURED RETURNS	4,385	7,673	8,733	6,998	8,902	10,183	9,002	8,366	5,744	1,010	1,083	1,279	73,358
	UNMEASURED RETURNS	871	1,164	2,064	2,390	2,867	3,759	4,040	3,889	3,397	2,296	1,787	1,519	30,043
	CONSUMPTIVE USE	189	-1,565	2,102	5,552	6,151	9,551	12,208	12,049	12,090	11,045	8,301	6,698	84,371

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF ARIZONA

WATER USER	Ftnts	5/12/11												TOTAL ¹
		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
UNIT "B" IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM														
	DIVERSION	742	924	1,647	2,258	2,539	3,303	3,359	3,360	3,082	2,098	1,714	1,307	26,333
	MEASURED RETURNS	755	1,336	1,478	1,199	1,514	1,723	1,497	1,399	968	156	166	192	12,383
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	-13	-412	169	1,059	1,025	1,580	1,862	1,961	2,114	1,942	1,548	1,115	13,950
FORT YUMA INDIAN RESERVATION														
DIVERSIONS FOR YUMA EAST WETLANDS														
	DIVERSION	15	13	28	41	60	69	80	72	52	30	21	12	493
RANCH "5" LANDS, YUMA ISLAND, AZ (180 ac)														
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DOMESTIC														
	DIVERSION	3	2	2	3	3	3	4	2	2	2	2	2	30
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	6	5	11	15	22	25	29	26	19	11	8	5	182
	CONSUMPTIVE USE	12	10	19	29	41	47	55	48	35	21	15	9	341
YUMA COUNTY WATER USERS' ASSOCIATION														
DIVERSION AT IMPERIAL DAM														
	DIVERSION	12,334	17,470	26,987	38,672	37,747	26,686	40,586	24,295	27,949	37,468	29,492	17,402	337,088
PUMPED FROM WELLS														
	DIVERSION	144	79	100	114	152	41	30	74	11	81	124	106	1,056
	MEASURED RETURNS	7,825	5,957	5,750	6,308	8,416	6,935	7,850	6,443	9,125	14,355	13,904	10,901	103,769
	UNMEASURED RETURNS	262	369	569	815	796	561	853	512	587	789	622	368	7,103
	CONSUMPTIVE USE	4,391	11,223	20,768	31,663	28,687	19,231	31,913	17,414	18,248	22,405	15,090	6,239	227,272
COCOPA INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM														
	DIVERSION	0	0	0	0	0	0	0	0	15	0	425	340	780
PUMPED FROM WELLS	12													
	DIVERSION	212	265	362	390	477	579	632	608	478	400	286	282	4,971
	MEASURED RETURNS	1	1	1	2	2	3	1	1	5	4	12	5	38
	UNMEASURED RETURNS	72	90	123	133	162	197	215	207	168	136	242	211	1,956
	CONSUMPTIVE USE	139	174	238	255	313	379	416	400	320	260	457	406	3,757
YUMA AREA OFFICE, USBR														
WELL														
	DIVERSION	0	9	26	28	54	55	60	60	60	59	59	62	532
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	9	26	28	54	55	60	60	60	59	59	62	532
PUMPED FROM SOUTH GILA WELLS (DPOC'S)														
	MEASURED RETURNS	0	3,908	3,248	3,613	5,247	5,398	5,182	5,684	1,997	0	0	1,209	35,486
	UNMEASURED RETURNS	0	-3,908	-3,248	-3,613	-5,247	-5,398	-5,182	-5,684	-1,997	0	0	-1,209	-35,486
	RETURN CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY														
	DIVERSION	996	1,032	1,852	2,359	2,662	3,071	3,153	2,958	2,313	2,024	1,545	1,438	25,403
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	359	368	652	833	941	1,089	1,119	1,049	822	721	550	514	9,017
	CONSUMPTIVE USE	637	664	1,200	1,526	1,721	1,982	2,034	1,909	1,491	1,303	995	924	16,386
ARIZONA TOTALS														
	DIVERSION	179,768	166,286	287,125	355,375	385,436	391,065	300,086	305,601	365,080	313,719	278,179	274,746	3,602,466
	MEASURED RETURNS	39,465	41,883	52,961	55,667	60,057	55,478	53,982	50,475	54,536	51,671	52,665	48,832	617,672
	UNMEASURED RETURNS	4,856	7,072	16,164	20,806	22,628	26,223	28,486	25,147	20,103	13,973	10,520	8,449	204,427
	CONSUMPTIVE USE	135,447	117,331	218,000	278,902	302,751	309,364	217,618	229,979	290,441	248,075	214,994	217,465	2,780,367

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

- Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- Diversion amounts include deliveries to the Fort Mojave Tribe by the City of Needles CA.
- Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
- Havasu NWR diversion amounts have been adjusted downward for diversions out of the Topock Marsh inlet canal by Mohave Valley Irrigation and Drainage District and Fort Mojave Indian Reservation.
- The Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- Use for lands leased from ASLD by Gila Monster Farms has been deducted.
- Main Outlet Drain return flow credit is measured flow at Station 0+00. For those comparing this return value to the "Water Bypassed Pursuant to Minute 242 of the IBWC", differences can result from a combination of DPOC and Yuma Mesa Conduit discharge into the MODE, MODE water that has been desalinated, and MODE water discharge to the river during the Yuma Desalting Plant Pilot Run. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF ARIZONA

5/12/11

(ACRE-FEET)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
9. Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation and Drainage District, the Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District is as follows:														
	<u>Item</u>													<u>Annual Totals</u>
	Diversion at Imperial Dam ^A													296,129
	Pumped from wells													739
	Surface returns from South Gila Valley (South Gila Canal Terminal Wasteway)													3,179
	Return flow North Gila Valley (6 drains and wasteways)													9,853
	Total Yuma Mesa Division Unmeasured Returns													49,945
	Return flow Yuma Mesa Outlet Drain ^B													29,073
	Return flow protective and regulatory pumping unit ^C													28,773
	Estimated unmeasured groundwater return flow ^D													25,698
	Return flow share of Gila Main Canal loss ^E													22,427
	Subtotal return flow													168,949
	Consumptive Use (see note above)													127,919
^A Total for the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and Yuma Mesa Irrigation and Drainage District.														
^B Estimated at 85 percent of the Yuma Mesa Outlet Drain with the balance credited to 'Unit B'.														
^C Estimated at 85 percent of Protective and Regulatory Pumping Unit with the balance credited to 'Unit B'.														
^D Estimated at 38% of the North Gila Valley I.D.D. diversion at Imperial Dam plus 14% of Yuma Irrigation District's diversion at Imperial Dam. This calculation is based on an analysis of the USGS Report 83-4220														
^E Diversion times a mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1397 af/yr), and phreatophytes (2154 af/yr).														

10. Diversion and return values include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation; others are pumped to control groundwater elevation. These wells were previously reported in the Arizona Supplemental Tabulation.

11. Diversion values have been reduced for those users (Ogram Boys' Enterprises, G Ogram, and ASLD) who take deliveries outside District boundaries. Those diversions appear in the Arizona Supplemental section.

12. Diversion amounts include pumpage from AEW-15, 16 and the Cocopah Bend R.V. Park. These wells were previously reported in the Arizona Supplemental Section.

13. Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.

14. Details may be found in the Arizona Supplemental Tabulation pages.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2010
STATE OF ARIZONA

WATER USER	Ftnts	USGS #	5/12/11												TOTAL		
			1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC	
Marble Canyon Company				1	1	1	1	2	2	2	2	2	2	1	1	1	17
SUBTOTAL, LEE FERRY TO DAVIS DAM	2			1	1	1	1	2	2	2	2	2	2	1	1	1	17
				0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	1	1	1	1	1	1	1	0	0	0	6
				1	1	1	0	1	1	1	1	1	1	1	1	1	11
Maurice McAlister (river Intake)				0	0	1	1	1	1	1	1	1	1	1	1	1	10
Crystal Beach Water Conservation District				7	7	8	9	10	10	11	10	9	8	8	7	104	
Arizona-American Water Company				62	47	47	62	63	69	87	83	91	73	61	62	807	
Arizona State Parks (Windsor Beach)				0	1	1	2	0	2	3	2	1	3	3	2	20	
SUBTOTALS, DAVIS DAM TO PARKER DAM	2			69	55	57	74	74	82	102	96	102	85	73	72	941	
				0	0	0	0	0	0	0	0	0	0	0	0	0	
				24	18	19	25	26	30	37	35	35	30	25	25	329	
				45	37	38	49	48	52	65	61	67	55	48	47	612	
Hillcrest Water Company				1	1	2	2	2	3	4	3	3	3	3	3	30	
Springs Del Sol	5			0	0	0	0	0	0	0	0	0	0	0	0	2	
Jack Rayner Jr.		AEP-9		192	240	328	354	432	525	572	551	433	363	257	253	4,500	
Arizona State Land Department (domestic)				2	2	2	3	4	4	4	4	4	2	2	2	35	
Arizona State Land Department (agricultural)		ADP-6		0	0	128	185	290	371	421	375	156	71	48	26	2,071	
TransCanada (North Baja Pipeline)				32	21	27	16	10	48	30	19	18	17	25	24	287	
BLM Permittees (LHFO & YFO)				52	43	76	95	84	85	93	79	75	167	114	118	1,081	
Fisher's Landing				3	2	2	2	2	3	3	3	2	2	1	1	26	
Shepard Water Company				3	2	1	2	3	3	4	5	4	3	2	1	33	
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2			285	311	566	659	827	1,042	1,131	1,039	695	628	452	430	8,065	
				0	0	0	0	0	0	0	0	0	0	0	0	0	
				100	109	199	232	288	365	394	363	242	220	159	151	2,822	
				185	202	367	427	539	677	737	676	453	408	293	279	5,243	
Bard Date Gardens (JRJ Partners LLC)		AEP-1, AEW-3		54	29	98	122	117	71	120	73	30	30	15	36	795	
Cha Cha (Glen Curtis Citrus)	3	AEP-2/3, AEW-4/5, ADW-3		2	37	30	145	138	340	235	338	166	162	43	119	1,755	
Russell Youmans (Beattie Farms Southwest)	3	ADW-2		47	59	81	87	107	129	141	136	107	90	64	62	1,110	
BLM Permittees (YFO)				3	2	3	2	5	10	9	10	8	3	3	2	60	
L. Pratt	3			11	14	19	20	24	30	32	31	24	21	15	14	255	
George Ogram	3,4	AEW-9		33	1	84	86	83	77	47	25	0	63	6	19	525	
Ogram Boys' Enterprises	3,4			65	42	104	171	196	112	113	89	36	23	41	12	1,005	
John Peach	3	AEW-12		22	27	38	41	50	60	66	63	50	42	29	29	517	
Arizona Public Service Company. (Yucca Power Plant)	3			60	54	23	16	63	66	73	79	94	98	89	80	795	
Amigo Farms	3	AEW-14, ADP-1		20	25	34	36	44	54	59	57	45	37	26	26	463	
Curry Family Limited	3	AEP-4, ADP-2		13	16	22	24	29	36	39	38	29	25	18	17	306	
Pete Power	3	ADP-3/4		25	31	43	46	56	68	75	72	56	47	34	33	586	
Gary Pasquinelli	4	ADP-5		10	7	35	15	30	30	15	20	190	20	29	14	415	
Arizona State Land Department (agricultural)				276	321	614	814	817	862	893	789	679	649	607	472	7,793	
SUBTOTALS, BELOW IMPERIAL DAM	2			641	665	1,228	1,625	1,759	1,945	1,918	1,821	1,514	1,310	1,019	935	16,380	
				0	0	0	0	0	0	0	0	0	0	0	0	0	
				235	241	434	575	626	693	687	650	544	471	366	338	5,860	
				406	424	794	1,050	1,133	1,252	1,231	1,171	970	839	653	597	10,520	
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2			996	1,032	1,852	2,359	2,662	3,071	3,153	2,958	2,313	2,024	1,545	1,438	25,403	
				0	0	0	0	0	0	0	0	0	0	0	0	0	
				359	368	652	833	941	1,089	1,119	1,049	822	721	550	514	9,017	
				637	664	1,200	1,526	1,721	1,982	2,034	1,909	1,491	1,303	995	924	16,386	

Foot notes:

- References such as AEW/ADP/AEP are listed in the annual USGS report "2010 Arizona and California Pumped Diversions".
- Monthly and annual totals rounded and displayed to the nearest whole number.
- Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.
- George Ogram, Ogram Boys' Enterprises, and some ALSD lands have water delivered (wheeled) to them by YID from the GGMC. A proportionate share of the loss associated with the GGMC has been assessed.
- Estimate based on 2009 report. Reclamation working with entitlement holder to provide their 2010 data.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF CALIFORNIA

		5/12/11	(ACRE-FEET)											
WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
FORT MOJAVE INDIAN RESERVATION														
DOMESTIC - WELLS	2	3	2	3	3	5	6	7	8	5	4	4	3	53
AGRICULTURAL - RIVER PUMPS	2	577	668	811	1,485	1,547	1,539	944	1,042	867	527	1,123	590	11,720
		0	0	0	0	0	0	0	0	0	0	0	0	0
		268	310	376	688	717	714	439	485	403	245	521	274	5,440
		312	360	438	800	835	831	512	565	469	286	606	319	6,333
CITY OF NEEDLES														
WELLS	3	104	103	130	184	262	265	300	262	203	206	190	134	2,343
		28	32	32	42	43	41	40	40	35	49	45	45	472
		10	12	12	15	15	15	14	14	13	18	16	16	170
		66	59	86	127	204	209	246	208	155	139	129	73	1,701
CHEMEHUEVI INDIAN RESERVATION														
PUMPED FROM RIVER AND WELLS		6	8	11	11	14	17	18	18	14	12	8	8	145
		0	0	0	0	0	0	0	0	0	0	0	0	0
		3	4	5	5	6	8	8	8	6	6	4	4	67
		3	4	6	6	8	9	10	10	8	6	4	4	78
METROPOLITAN WATER DISTRICT														
DIVERSION FROM LAKE HAVASU		87,372	54,322	77,532	31,152	89,995	78,850	95,038	96,124	86,344	90,091	86,104	77,159	950,083
WATER EXCHANGED WITH SDCWA	4	12,308	12,309	12,308	12,308	12,309	12,308	12,308	12,308	12,308	12,308	12,309	16,115	151,507
		222	212	222	209	209	205	211	209	204	215	208	203	2,529
		0	0	0	0	0	0	0	0	0	0	0	0	0
		99,458	66,419	89,618	43,251	102,095	90,953	107,135	108,224	98,448	102,184	98,205	93,071	1,099,061
PARKER DAM AND GOVERNMENT CAMP														
DIVERSION AT PARKER DAM	3	4	4	6	10	10	15	19	14	13	10	9	7	121
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	6	10	10	15	19	14	13	10	9	7	121
COLORADO RIVER INDIAN RESERVATION														
RIVER PUMPS AND WELLS		243	303	414	447	547	664	724	697	548	459	326	321	5,693
BIG RIVER - WELLS		32	27	39	50	66	73	79	80	72	57	44	40	659
		0	0	0	0	0	0	0	0	0	0	0	0	0
		115	138	189	207	255	307	335	324	258	215	154	150	2,647
		160	192	264	290	358	430	468	453	362	301	216	211	3,705
CITY OF WINTERHAVEN														
1 WELL	5	9	8	9	8	8	10	10	9	8	8	9	8	104
		0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	36
		6	5	6	5	5	7	7	6	5	5	6	5	68
PALO VERDE IRRIGATION DISTRICT														
DIVERSION FROM PALO VERDE DAM		16,170	22,800	53,480	58,620	76,110	82,260	95,050	99,510	79,570	55,190	44,310	33,530	716,600
		26,092	26,240	29,921	30,230	34,427	34,285	35,898	41,552	40,960	40,847	34,426	31,723	406,601
		906	1,277	2,995	3,283	4,262	4,607	5,323	5,573	4,456	3,091	2,481	1,878	40,132
		-10,828	-4,717	20,564	25,107	37,421	43,368	53,829	52,385	34,154	11,252	7,403	-71	269,867
YUMA PROJECT RESERVATION DIVISION, INDIAN UNIT														
DIVERSION AT IMPERIAL DAM		1,400	1,896	4,101	5,555	4,945	1,502	4,165	3,192	4,795	4,411	3,008	1,791	40,761
DOMESTIC	6	34	42	58	63	76	93	101	97	77	64	45	45	795
		45	57	70	83	182	45	101	73	78	111	77	23	945
		239	324	695	938	839	266	712	549	814	747	510	307	6,940
		1,150	1,557	3,394	4,597	4,000	1,284	3,453	2,667	3,980	3,617	2,466	1,506	33,671
YUMA PROJECT RESERVATION DIVISION, BARD UNIT														
DIVERSION AT IMPERIAL DAM		1,410	1,388	3,229	4,957	5,043	3,939	4,417	3,350	1,016	4,797	3,652	2,353	39,551
		25	23	30	40	100	65	70	44	17	65	48	15	542
		235	232	539	828	842	658	738	559	170	801	610	393	6,605
		1,150	1,133	2,660	4,089	4,101	3,216	3,609	2,747	829	3,931	2,994	1,945	32,404
RETURNS FROM YUMA PROJECT														
RESERVATION DIVISION		2,680	2,074	2,513	2,760	2,312	1,667	2,014	2,034	2,040	2,272	2,459	2,104	26,929
SUM, YUMA PROJECTS, RESERVATION DIVISION USE	7	-380	616	3,541	5,926	5,789	2,833	5,048	3,380	2,769	5,276	3,001	1,347	39,146

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF CALIFORNIA

WATER USER	Ftnts	(ACRE-FEET)												TOTAL ¹			
		5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC		
IMPERIAL IRRIGATION DISTRICT																	
DIVERSION AT IMPERIAL DAM																	
		DIVERSION	87,028	103,002	245,534	291,276	321,872	282,699	311,096	274,205	245,160	186,780	169,938	122,179	2,640,769		
		MEASURED RETURNS	4,531	5,171	6,736	6,900	18,975	13,246	14,349	10,951	9,218	7,368	6,534	2,416	106,395		
		UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0		
		CONSUMPTIVE USE	82,497	97,831	238,798	284,376	302,897	269,453	296,747	263,254	235,942	179,412	163,404	119,763	2,534,374		
DELIVERY FROM WARREN H. BROCK RESERVOIR	8	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	8,287	2,932	11,219		
		TOTAL CONSUMPTIVE USE	82,497	97,831	238,798	284,376	302,897	269,453	296,747	263,254	235,942	179,412	171,691	122,695	2,545,593		
WATER TRANSFERRED TO SDCWA FOR MITIGATION	9	DIVERSION	363	0	0	1,379	0	0	0	3,362	28,391	25,422	23,512	1,033	83,462		
		MEASURED RETURNS	19	0	0	33	0	0	0	134	1,067	1,003	904	20	3,180		
		CONSUMPTIVE USE	344	0	0	1,346	0	0	0	3,228	27,324	24,419	22,608	1,013	80,282		
COACHELLA VALLEY WATER DISTRICT																	
DIVERSION AT IMPERIAL DAM		DIVERSION	12,169	13,691	22,204	28,571	33,822	34,927	38,154	36,305	31,873	25,492	25,597	16,293	319,098		
		MEASURED RETURNS	634	687	609	677	1,994	1,636	1,760	1,450	1,198	1,006	984	322	12,957		
		UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0		
		CONSUMPTIVE USE	11,535	13,004	21,595	27,894	31,828	33,291	36,394	34,855	30,675	24,486	24,613	15,971	306,141		
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN	10	DIVERSION	366	447	604	661	805	983	1,077	1,014	818	691	490	469	8,425		
DAVIS DAM TO INTERNATIONAL BOUNDARY		MEASURED RETURNS	4	5	7	8	10	12	13	12	10	8	6	6	101		
		UNMEASURED RETURNS	154	189	259	280	341	419	456	435	350	291	206	201	3,581		
		CONSUMPTIVE USE	208	253	338	373	454	552	608	567	458	392	278	262	4,743		
CALIFORNIA TOTALS		DIVERSION	219,598	211,020	420,473	436,740	547,436	500,150	563,507	531,598	492,082	406,529	370,678	272,078	4,971,889		
		MEASURED RETURNS	34,280	34,501	40,140	40,982	58,252	51,202	54,456	56,499	54,827	52,944	45,691	36,877	560,651		
		UNMEASURED RETURNS	1,933	2,489	5,073	6,247	7,280	6,997	8,028	7,950	6,473	5,417	4,505	3,226	65,618		
		CONSUMPTIVE USE SUBTOTAL	183,385	174,030	375,260	389,511	481,904	441,951	501,023	467,149	430,782	348,168	320,482	231,975	4,345,620		
		IID CU FROM BROCK RESERVOIR	0	0	0	0	0	0	0	0	0	0	8,287	2,932	11,219		
		TOTAL CONSUMPTIVE USE	183,385	174,030	375,260	389,511	481,904	441,951	501,023	467,149	430,782	348,168	328,769	234,907	4,356,839		

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

1. Due to rounding to the nearest acre-foot, totals may differ from the sum of the monthly values.
2. Diversion amounts include any deliveries to the Fort Mojave Tribe by the City of Needles. Diversion values listed as pumped from river and wells are provided by the Fort Mojave Tribe and Reclamation.
3. All or a portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.
4. Water conserved by IID and transferred to SDCWA, in accordance with the CRWDA, Exhibit B, Column 5, and the IID/SDCWA Water Transfer Agreement and water allocated to SDCWA as a result of the CCLP and AACLP pursuant to Article 10 of the October 10, 2003 Allocation Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement.
5. Reported as an annual total only then distributed monthly according to the monthly use patterns of nearby users.
6. These values represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the reservation.
7. Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.
8. Colorado River water captured in the Warren H. Brock Reservoir and delivered to IID as consumptive use. Flow measurement is made at the Brock Reservoir outlet channel station 21+36.
9. IID conserved 33,736 acre-feet of Colorado River water in 2010 which was transferred to SDCWA and exchanged with CVWD for non-Colorado River water to meet Salton Sea mitigation requirements for 2010. Also, in 2010, IID delivered 46,546 acre-feet of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. The appropriate accounting for the 46,546 acre-feet is under review by Reclamation and will be reflected in the Colorado River Accounting and Water Use Report for 2011.
10. Details can be found on the California Supplemental page.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2010
 STATE OF CALIFORNIA

WATER USER	Ftnts	USGS# 1	5/12/11												TOTAL
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(ACRE-FEET)															
De Soto Ranch	2	CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	2	CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Gas	3	CEW-21	3	4	5	5	6	8	9	8	7	5	4	4	68
Pacific Gas & Electric Company	3		5	6	8	9	11	14	15	14	11	9	7	7	116
Havasu Water Company	3	Needles report	3	3	4	5	6	7	8	7	6	5	3	3	60
Vista Del Lago	3	Needles report	1	1	2	2	3	3	3	3	3	2	1	1	25
Wells reported under non-Federal subcontracts to LCWSP	3	Needles report	13	16	22	23	28	35	37	36	28	24	17	17	296
SUBTOTALS, DAVIS DAM TO PARKER DAM			4	25	30	41	44	54	67	72	68	55	45	32	565
	5	MEASURED RETURNS	4	5	7	8	10	12	13	12	10	8	6	6	101
		UNMEASURED RETURNS	6	7	12	12	14	18	19	18	15	13	9	9	152
		CONSUMPTIVE USE	15	18	22	24	30	37	40	38	30	24	17	17	312
Wetmore, Kenneth C.			0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.			0	0	0	0	0	0	1	0	0	0	0	0	1
Carney, Jerome D.			0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.			0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch (C.L. Lye)	2	CEW-16	2	2	3	3	4	4	5	4	4	3	2	2	38
BLM Permitees (LHFO & YFO)	3,6		23	22	23	33	35	50	58	37	47	45	34	21	428
SUBTOTALS, PARKER DAM TO IMPERIAL DAM			4	25	24	27	37	41	56	67	43	53	49	37	482
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	6	6	6	9	11	17	18	12	17	13	9	6	130
		CONSUMPTIVE USE	19	18	21	28	30	39	49	31	36	36	28	17	352
<u>FORT YUMA INDIAN RESERVATION - CA</u>															
Living Earth Farm	2	CEW-2, CDP-3	0	0	0	0	0	0	0	0	0	0	0	0	0
MivCo Packing	2	CEW-14	0	0	0	0	0	0	0	0	0	0	0	0	0
Valdez, Mike	2	CDP-1,2, CEW-01, CEW-15	74	92	126	136	166	201	219	211	166	139	99	97	1,726
Ranch "5" Lands, Yuma Island, CA (351 ac)	7	AAC diversion	0	0	0	0	0	0	0	0	0	0	0	0	0
Huerta Packing	2	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON FYIR, CALIFORNIA			4	74	92	126	136	166	201	219	211	166	139	99	1,726
SUM OF UNMEASURED RETURNS, FYIR, CALIFORNIA				33	41	56	61	74	90	98	95	74	62	44	772
<u>YUMA ISLAND - CALIFORNIA</u>															
Arizona State Land Department Lessees:															
Curtis Family Trust	2	AEP-02, AEP-03, AEW-04, AEW-05,	7	9	12	14	17	20	22	21	17	14	10	10	173
Martin Family Trust	2	CEP-01,02, CDW-07	22	27	37	40	49	59	65	62	49	41	29	29	509
Billy Turner	2	CDW-5, CEW-7	0	0	0	0	0	0	0	0	0	0	0	0	0
Leroy Heile	2	CDW-8 (CEW-12)	46	57	78	84	103	125	136	131	103	87	61	61	1,072
James Wilson	2	CEW-11	10	13	17	19	23	28	30	29	23	19	13	13	237
Griffin Produce Company	2	CDW-2	8	11	14	15	19	23	25	24	19	16	11	11	196
Perez Family Trust	2	CEW-9	10	13	17	18	22	27	30	29	22	19	13	13	233
Clifford Winton Jr.	2,8	CEW-13	0	0	0	0	0	0	0	0	0	0	0	0	0
Clara Jean Wilson	2,8		0	0	0	0	0	0	0	0	0	0	0	0	0
Lou Ella Harp	2,8		0	0	0	0	0	0	0	0	0	0	0	0	0
Robert E. Harp	2,8		47	58	79	86	105	127	139	133	105	88	62	61	1,090
K.H. Easterday	2		24	29	40	43	53	64	70	68	53	45	32	31	552
Richard Lee Wilson	2		7	9	12	13	16	20	21	21	16	14	10	9	168
Dees, Alex	2		55	68	94	101	124	150	164	157	124	104	73	72	1,286
Mike Palmer (L.O. Power)	2		6	7	10	11	13	16	17	17	13	11	8	7	136
SUM OF PUMPING ON THE YUMA ISLAND, CALIFORNIA			4	242	301	410	444	544	659	719	692	544	458	322	5,652
SUM OF UNMEASURED RETURNS, YUMA ISLAND - CALIFORNIA				109	135	185	198	242	294	321	310	244	203	144	2,527
SUBTOTALS, ALL USES BELOW IMPERIAL DAM				316	393	536	580	710	860	938	903	710	597	421	7,378
		MEASURED RETURNS		0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS		142	176	241	259	316	384	419	405	318	265	188	3,299
		CONSUMPTIVE USE		174	217	295	321	394	476	519	498	392	332	233	4,079
<u>TOTAL CALIFORNIA SUPPLEMENTAL TABULATION</u>															
		DIVERSION	366	447	604	661	805	983	1,077	1,014	818	691	490	469	8,425
		MEASURED RETURNS	4	5	7	8	10	12	13	12	10	8	6	6	101
		UNMEASURED RETURNS	154	189	259	280	341	419	456	435	350	291	206	201	3,581
		CONSUMPTIVE USE	208	253	338	373	454	552	608	567	458	392	278	262	4,743

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2010
 STATE OF CALIFORNIA

WATER USER	Ftnts	USGS#	(ACRE-FEET)											
			5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV

Footnotes:

1. References such as CDW/CDP/CEP are listed in the annual USGS report "2010 Arizona and California Pumped Diversions".
2. Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.
3. Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
4. Monthly and annual totals rounded to the nearest whole number.
5. This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.
6. At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA. Some BLM lessees have very limited returns due to evaporation ponds and low application rates.
7. Surface water diversions from the AAC through Bard Water District. Diversion calculated by prorating total measured delivery by irrigated acreage in each state.
8. Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated using the methodology mentioned in footnote 2 above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF NEVADA

WATER USER	Fmts	5/12/11 (ACRE-FEET)												TOTAL ¹	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
BOULDER CANYON PROJECT															
DIVERSION AT HOOVER DAM															
	DIVERSION	5	3	4	6	5	6	8	7	7	6	4	4	65	
	MEASURED RETURNS	3	3	3	3	3	4	4	5	4	4	3	3	42	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	2	0	1	3	2	2	4	2	3	2	1	1	23	
ROBERT B. GRIFFITH WATER PROJECT															
DIVERSION AT SADDLE ISLAND, LAKE MEAD															
	DIVERSION	24,541	21,396	29,345	33,669	42,042	40,672	46,930	46,590	36,521	39,454	33,284	27,974	422,418	
LAKE MEAD NATIONAL RECREATION AREA															
DIVERSIONS FROM LAKE MEAD															
	DIVERSION	26	25	28	33	36	49	58	58	51	33	30	29	456	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	26	25	28	33	36	49	58	58	51	33	30	29	456	
LAKE MEAD NATIONAL RECREATION AREA															
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)															
	DIVERSION	11	8	9	9	14	15	18	18	18	14	15	13	162	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	11	8	9	9	14	15	18	18	18	14	15	13	162	
BASIC MANAGEMENT INC.															
DIVERSION AT SADDLE ISLAND, LAKE MEAD															
	DIVERSION	311	299	311	378	366	413	530	508	483	448	456	576	5,079	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	311	299	311	378	366	413	530	508	483	448	456	576	5,079	
CITY OF HENDERSON															
DIVERSION AT SADDLE ISLAND, LAKE MEAD															
	DIVERSION	963	510	1,140	1,566	1,261	1,212	1,476	1,326	1,201	1,190	1,211	788	13,844	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	963	510	1,140	1,566	1,261	1,212	1,476	1,326	1,201	1,190	1,211	788	13,844	
NEVADA DEPARTMENT OF FISH AND GAME															
DIVERSION AT SADDLE ISLAND, LAKE MEAD															
	DIVERSION	6	8	13	18	27	26	27	32	10	20	22	25	234	
	MEASURED RETURNS	5	7	12	18	26	26	26	31	9	19	21	24	224	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	1	1	1	0	1	0	1	1	1	1	1	1	10	
PACIFIC COAST BUILDING PRODUCTS INC.															
DIVERSION AT GYPSUM WASH, LAKE MEAD															
	DIVERSION	82	58	49	52	52	43	39	44	52	39	40	36	586	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	82	58	49	52	52	43	39	44	52	39	40	36	586	
SCE (MOHAVE GENERATING STATION)															
WELL															
	DIVERSION	20	18	18	14	24	56	54	44	39	37	26	20	370	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	20	18	18	14	24	56	54	44	39	37	26	20	370	
BIG BEND WATER DISTRICT															
	DIVERSION	281	268	306	343	377	414	482	470	405	381	325	293	4,345	
	MEASURED RETURNS	161	157	178	181	185	187	227	216	188	186	160	156	2,182	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	120	111	128	162	192	227	255	254	217	195	165	137	2,163	
BIG BEND CONSERVATION AREA															
	DIVERSION	0	0	0	0	1	0	1	0	0	0	0	0	2	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	0	0	0	0	1	0	1	0	0	0	0	0	2	
FORT MOJAVE INDIAN RESERVATION															
2 WELLS	2														
	DIVERSION	76	346	352	134	283	744	935	847	76	226	130	82	4,231	
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	UNMEASURED RETURNS	25	114	116	44	93	246	309	280	25	75	43	27	1,397	
	CONSUMPTIVE USE	51	232	236	90	190	498	626	567	51	151	87	55	2,834	
LAS VEGAS WASH RETURN FLOWS															
	3														
	RETURNS	19,474	17,258	18,961	16,727	16,140	15,067	15,670	15,963	15,453	17,650	17,957	20,190	206,510	
NEVADA TOTALS															
	DIVERSION	26,322	22,939	31,575	36,222	44,488	43,650	50,558	49,944	38,863	41,848	35,543	29,840	451,792	
	MEASURED RETURNS	19,643	17,425	19,154	16,929	16,354	15,284	15,927	16,215	15,654	17,859	18,141	20,373	208,958	
	UNMEASURED RETURNS	25	114	116	44	93	246	309	280	25	75	43	27	1,397	
	CONSUMPTIVE USE	6,654	5,400	12,305	19,249	28,041	28,120	34,322	33,449	23,184	23,914	17,359	9,440	241,437	

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2010
STATE OF NEVADA

WATER USER	Ftnts	(ACRE-FEET)												TOTAL ¹	
		5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
GROUNDWATER INJECTED STORAGE	4														
LAS VEGAS VALLEY WATER DISTRICT		INJECTED	0	0	0	0	0	0	0	0	0	2,491	3,607	2,694	8,792
		WITHDRAWN	0	0	0	0	0	0	0	0	166	148	135	50	499
CITY OF NORTH LAS VEGAS		INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
		WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

1. Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
2. Diversions were fully measured and reported by Reclamation.
3. Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated December 12, 2007.

4. Nevada Injected Storage Balance:	4.1	Beginning of Year Cumulative Injected Storage	350,641
		Plus Current Year Additions	8,792
		Minus Current Year Withdrawals	<u>499</u>
		End of Year Cumulative Injected Storage	358,934

4.1 Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)

The following tabulations for calendar year 2010 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was computed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those that divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

The "Delivered to Mexico in Excess of Treaty" values displayed in this section of the report reflect only the water over delivered to Mexico, according to IBWC's schedule, resulting from water that had been ordered but not diverted. The "To Mexico in Excess of Treaty" values displayed in the Article V (D) section reflect all water under/over delivered to Mexico according to IBWC's schedule. No comparison between the two sections should be made.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO
 IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 STATE OF ARIZONA
 CALENDAR YEAR 2010

5/12/11 WATER USER	(ACRE-FEET)												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	3,748	1,316	5,470	3,490	2,288	3,950	1,594	4,221	2,074	12,887	2,529	1,066	44,633
DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	3,748	1,316	5,470	3,490	2,288	3,950	1,594	4,221	2,074	12,887	2,529	1,066	44,633
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORADO RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK													
ORDERED BUT NOT DIVERTED	4,774	242	353	292	768	75	1,143	280	282	557	581	4,994	14,341
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	7	236	251	49	270	161	79	450	79	2,672	4,255
DIVERTED BY OTHERS	4,774	159	345	18	350	20	730	102	55	20	330	1,826	8,728
DELIVERED TO STORAGE ¹	0	83	2	37	74	0	139	16	144	3	133	227	858
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	93	6	4	0	3	84	40	270	500
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	1,529	579	834	343	1,071	629	795	507	1,159	1,111	1,233	1,509	11,300
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	659	365	376	169	246	235	148	64	302	702	514	677	4,458
DIVERTED BY OTHERS	174	117	142	120	621	361	510	411	554	73	366	213	3,662
DELIVERED TO STORAGE ¹	215	73	139	36	177	26	132	20	225	60	263	144	1,510
DELIVERED TO MEXICO IN EXCESS OF TREATY	481	24	177	18	27	7	4	13	78	277	89	475	1,671
GILA MONSTER FARMS													
DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	495	332	502	481	311	200	335	975	451	435	613	590	5,719
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	164	44	174	171	61	34	14	111	87	269	288	227	1,643
DIVERTED BY OTHERS	78	252	183	137	230	159	278	815	244	32	177	80	2,664
DELIVERED TO STORAGE ¹	83	34	38	61	11	5	42	33	99	24	101	47	576
DELIVERED TO MEXICO IN EXCESS OF TREATY	170	2	107	111	9	2	1	17	22	111	48	236	836
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	8,568	4,842	5,612	4,154	6,702	2,797	2,640	2,624	1,876	5,862	5,602	2,834	54,113
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	4,584	3,589	2,106	1,724	1,990	640	391	231	767	3,879	2,632	1,123	23,656
DIVERTED BY OTHERS	414	617	1,168	952	3,753	1,952	1,424	2,297	922	232	1,479	273	15,482
DELIVERED TO STORAGE ¹	538	378	889	587	535	174	814	20	92	316	1,217	176	5,737
DELIVERED TO MEXICO IN EXCESS OF TREATY	3,032	258	1,450	890	424	31	12	77	94	1,434	274	1,262	9,237

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO
IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
STATE OF ARIZONA
CALENDAR YEAR 2010

5/12/11 WATER USER	(ACRE-FEET)												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	1,850	1,260	448	538	555	741	398	559	940	1,580	1,436	1,504	11,808
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	869	887	238	100	107	75	28	204	566	1,044	570	739	5,429
DIVERTED BY OTHERS	155	259	14	161	360	595	274	273	280	95	480	214	3,160
DELIVERED TO STORAGE ¹	122	71	12	58	81	64	94	18	65	110	306	100	1,101
DELIVERED TO MEXICO IN EXCESS OF TREATY	704	43	184	218	7	7	2	64	29	331	80	451	2,118
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	6,015	3,557	4,146	5,105	4,128	1,758	1,868	2,231	4,380	6,197	4,249	4,677	48,311
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2,901	1,452	2,232	2,149	679	454	168	90	1,434	4,421	2,353	2,345	20,678
DIVERTED BY OTHERS	471	1,777	826	1,285	2,760	947	1,658	1,996	1,896	388	580	345	14,929
DELIVERED TO STORAGE ¹	571	251	319	666	443	340	39	69	708	251	1,010	475	5,142
DELIVERED TO MEXICO IN EXCESS OF TREATY	2,072	77	769	1,006	247	17	2	76	342	1,137	305	1,512	7,562
UNIT "B" IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	426	346	577	498	290	466	403	329	524	1,179	593	297	5,928
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	216	123	215	153	102	123	50	62	185	854	435	91	2,607
DIVERTED BY OTHERS	16	194	187	128	160	295	319	200	225	60	80	18	1,882
DELIVERED TO STORAGE ¹	62	29	46	62	17	38	32	53	82	26	54	20	522
DELIVERED TO MEXICO IN EXCESS OF TREATY	131	1	129	155	11	10	2	14	31	240	24	169	917
YUMA COUNTY WATER USERS' ASSOCIATION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	8,332	2,623	10,437	5,947	3,086	2,077	336	3,424	2,338	8,868	5,448	9,291	62,207
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3,316	1,689	6,177	2,922	529	672	0	637	808	5,275	2,786	2,849	27,659
DIVERTED BY OTHERS	732	744	1,834	1,412	1,869	1,326	225	2,150	1,124	637	1,558	2,478	16,090
DELIVERED TO STORAGE ¹	881	141	690	960	549	56	110	181	328	397	720	544	5,558
DELIVERED TO MEXICO IN EXCESS OF TREATY	3,403	48	1,736	654	139	22	0	457	77	2,560	384	3,420	12,901
ARIZONA TOTALS													
ORDERED BUT NOT DIVERTED	35,737	15,097	28,380	20,847	19,200	12,693	9,511	15,150	14,023	38,678	22,283	26,763	258,361
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	12,709	8,149	11,525	7,623	3,966	2,282	1,070	1,560	4,228	16,895	9,656	10,721	90,384
DIVERTED BY OTHERS	6,815	4,120	4,699	4,214	10,102	5,654	5,418	8,243	5,301	1,536	5,049	5,446	66,597
DELIVERED TO STORAGE ¹	6,221	2,376	7,605	5,957	4,174	4,654	2,997	4,630	3,819	14,073	6,333	2,799	65,637
DELIVERED TO MEXICO IN EXCESS OF TREATY	9,993	452	4,552	3,053	957	103	26	718	675	6,174	1,244	7,796	35,742

Footnotes:

1. Delivered to temporary storage in Senator Wash.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO
 IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 STATE OF CALIFORNIA
 CALENDAR YEAR 2010

5/12/11	(ACRE-FEET)												
WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	1,930	2,008	2,692	1,145	1,724	13,553	1,254	408	215	0	184	2,844	27,957
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	1,930	2,008	2,692	1,145	1,724	13,553	1,254	408	215	0	184	2,844	27,957
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM													
ORDERED BUT NOT DIVERTED	1,363	553	292	698	825	436	317	996	595	470	835	393	7,773
DELIVERED TO MEXICO IN	508	175	85	329	368	104	72	419	168	350	545	246	3,370
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	281	345	200	239	366	192	210	523	301	19	140	15	2,832
DELIVERED TO STORAGE ¹	144	27	1	96	75	138	25	41	123	26	108	39	843
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	429	6	5	35	16	2	11	13	2	75	42	92	728
YUMA PROJECT RESERVATION DIVISION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,746	2,114	2,318	1,977	1,874	1,986	1,195	1,949	2,223	2,510	4,815	5,477	32,183
DELIVERED TO MEXICO IN	1,511	1,262	983	737	544	379	312	213	904	1,622	2,441	1,822	12,730
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	422	538	629	550	1,019	1,445	694	1,640	930	171	1,119	1,210	10,367
DELIVERED TO STORAGE ¹	503	252	288	297	168	141	186	45	269	73	908	340	3,469
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	1,310	61	418	393	143	21	3	51	120	644	347	2,105	5,617
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	28,022	21,592	38,605	25,260	3,711	16,572	8,429	14,177	25,396	73,709	23,779	25,470	304,723
DELIVERED TO MEXICO IN	9,484	15,331	18,591	7,661	1,661	6,147	2,729	3,280	11,149	45,404	12,744	9,042	143,223
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	1,895	1,867	6,549	6,211	1,346	8,453	5,010	8,594	8,964	4,273	4,955	4,764	62,881
DELIVERED TO STORAGE ¹	1,418	3,296	3,745	4,986	525	1,637	645	1,501	3,138	3,377	4,358	1,789	30,415
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	15,225	1,099	9,721	6,402	179	335	44	802	2,145	20,656	1,722	9,875	68,204
COACHELLA VALLEY WATER DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,803	1,124	6,217	5,960	5,076	6,879	5,379	5,295	6,210	7,718	5,530	13,054	72,246
DELIVERED TO MEXICO IN	1,607	647	2,508	1,936	1,373	1,157	834	1,063	1,605	4,602	2,694	3,591	23,618
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	185	182	2,112	1,898	3,143	5,181	4,037	3,771	3,239	484	1,560	4,804	30,596
DELIVERED TO STORAGE ¹	499	282	525	1,042	251	468	500	217	925	441	859	550	6,558
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	1,511	14	1,072	1,083	309	73	8	244	442	2,192	416	4,109	11,473
CALIFORNIA TOTALS													
ORDERED BUT NOT DIVERTED	38,863	27,392	50,123	35,040	13,210	39,427	16,574	22,825	34,640	84,407	35,143	47,239	444,882
DELIVERED TO MEXICO IN	13,111	17,415	22,167	10,664	3,946	7,787	3,946	4,975	13,826	51,978	18,424	14,701	182,940
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	2,783	2,932	9,491	8,898	5,874	15,271	9,951	14,529	13,434	4,947	7,774	10,793	106,676
DELIVERED TO STORAGE ¹	4,494	5,865	7,250	7,565	2,743	15,938	2,610	2,211	4,670	3,916	6,418	5,562	69,243
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	18,476	1,180	11,215	7,912	647	431	67	1,109	2,709	23,567	2,527	16,182	86,022

1. Delivered to temporary storage in Senator Wash.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944 AND WATER
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

WATER USER	CALENDAR YEAR 2010												TOTAL
	5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
COLORADO RIVER AT NORTHERLY INTERNATIONAL BOUNDARY ¹	166,000	131,517	223,080	199,146	102,140	101,376	115,000	90,653	81,568	90,863	100,774	136,525	1,538,641
DELIVERIES TO MEXICO TO SATISFY TREATY REQUIREMENTS													
DELIVERY AT THE LIMITROPHE ²	898	685	428	458	469	417	310	396	506	902	731	548	6,748
DELIVERY AT TIJUANA ³	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERY AT SOUTHERLY INTERNATIONAL BOUNDARY	7,487	8,693	9,516	8,099	10,703	10,870	10,423	9,446	10,662	12,613	12,318	10,093	120,923
WATER ARRANGED FOR THE CIENEGA - MEXICO PORTION ⁴	0	0	0	1,792	857	5	318	87	0	1,807	145	0	5,011
WATER ARRANGED FOR THE CIENEGA - NON-GOVERMENTAL PORTION ⁴	0	0	0	0	0	0	0	0	0	0	0	0	0
MEXICO'S REDUCED DIVERSIONS SCHEDULE ⁵	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERSION CHANNEL DISCHARGED TO RIVER ⁶	0	1	0	0	0	0	0	0	0	0	0	0	1
DELIVERY TO MEXICO AT NORTHERLY INTERNATIONAL BOUNDARY ⁷	113,213	130,852	205,024	185,007	92,199	101,131	111,634	85,613	78,140	60,677	96,128	107,699	1,367,317
TOTAL TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	121,598	140,231	214,968	195,356	104,228	112,423	122,685	95,542	89,308	75,999	109,322	118,340	1,500,000
ACCOUNTABLE DELIVERIES TO MEXICO ⁸	174,385	140,895	233,024	209,495	114,169	112,669	126,052	100,581	92,735	106,185	113,968	147,166	1,671,324
TO MEXICO IN EXCESS OF TREATY ⁹	52,787	664	18,056	14,139	9,941	246	3,367	5,039	3,427	30,186	4,646	28,826	171,324
WATER ARRANGED FOR THE CIENEGA - U.S. PORTION ¹⁰	1,778	194	2,016	0	0	0	0	0	0	0	0	0	3,988
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC	11,286	8,969	12,059	11,616	9,316	6,829	4,886	3,863	10,342	13,799	12,692	11,807	117,464

Footnotes:

1. Flow in the river at the Northerly International Boundary as reported by IBWC as delivery to Mexico.

2. Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

3. Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minutes No. 310 and 314 of the IBWC.

4. In accordance with the Joint Report of the Principal Engineers Concerning U.S. - Mexico Joint Cooperative Actions Related to the Yuma Desalting Plant Pilot Run. This water is included as a portion of Mexico's scheduled water order in accordance with Treaty requirements.

5. Mexico's reduced diversions pursuant to Minute 318.

6. The Diversion channel delivers water from the SIB confluence structure to the river or to the Bypass. During the months of February through September water is discharged to the Colorado River and is charged to the Treaty.

7. That portion of the flows at NIB necessary to meet the 1.5 MAF Treaty obligation.

8. Mexico's total water delivery, includes Treaty requirements in accordance with their scheduled diversions, does not include water bypassed pursuant to Minute No. 242 of the IBWC.

9. Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.

10. In accordance with the Joint Report of the Principal Engineers Concerning U.S. - Mexico Joint Cooperative Actions Related to the Yuma Desalting Plant Pilot Run. This water is included in the Water Bypassed Pursuant to Minute 242 and is not part of Mexico's schedule. The arranged water conveyed in 2010, when combined with the 6,297 acre-feet conveyed in 2009, fully satisfies the U.S. obligation for arranged water.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

		CALENDAR YEAR 2010												TOTAL
		(ACRE-FEET)												
WATER USER	5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information, tabulated here, provides a more extensive record of activities relating to federal management of the Colorado River. In concise reports specific to various agreements or requirements, this information is intended to help the reader correlate the records of diversions and consumptive use found in the Article V portion of this report with the various conservation, transfer and exchange agreements. The final section contains documents significant to the actions taken by Reclamation, the Lower Division States, and the water user agencies during 2010.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). The SIRA provides structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate banking program.

AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement, amended April 1, 2009, that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off stream storage of Colorado River water in Arizona and the establishment of long-term storage credits for the benefit of SNWA.

Another element of this interstate banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by Long-Term Storage Credits (LTSC). CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's Colorado River water consumption. This forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

the year Colorado River water is diverted. LTSC's are created for the account of consuming entities in Nevada or California. When LTSC's are recovered, the consuming entities in Nevada or California, pursuant to the SIRA, will divert Colorado River water in exchange for CAWCD's use of the LTSC's. The Secretary will release ICUA created by AWBA through CAWCD's forbearance to the consuming entity in Nevada or California in that same year pursuant to Article II(B)(6) of the Consolidated Decree. ICUA used in Nevada or California is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

CRCN, SNWA, The Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls upon this stored water, MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration project in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. Recovery of MWD's credits is subject to the terms of an amended letter agreement dated December 11, 2007.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA and MWD, provisional LTSC accrued during the past year, LTSC's recovered during the past year, ALTSC held for an entity with a SIRA, and credits assigned to MWD by CAWCD.

INTERSTATE BANKING
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2010

5/12/11		(ACRE-FEET)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified BOY ALTSC ¹	582,412												
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 10 ²	0	0	0	0	0	0	0	0	3,783	1,773	11,693	1,751	19,000
	Verified LTSC in 10 ³	0	0	0	0	0	0	0	0	3,480	1,631	10,758	1,611	17,480
	ICUA Developed in 10 ⁴	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	582,412	582,412	582,412	582,412	582,412	582,412	582,412	582,412	585,892	587,523	598,281	599,892	599,892
Water diverted and stored by MWD for the benefit of SNWA.	Verified BOY ALTSC ^{1,6}	70,000												
	Accrued LTSC in 10 ⁶	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 10	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 10 ^{4,6}	0	0	0	0	0	0	0	0	0	0	0	0	0
Total ALTSC ⁶	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	
AMOUNT OF WATER STORED FOR THE BENEFIT OF SNWA - CURRENT YEAR		0	0	0	0	0	0	0	0	3,480	1,631	10,758	1,611	17,480
CUMULATIVE BALANCE OF WATER STORED FOR SNWA WITHIN AZ AND CA ⁷		652,412	652,412	652,412	652,412	652,412	652,412	652,412	652,412	655,892	657,523	668,281	669,892	669,892
CALIFORNIA	Verified BOY ALTSC ⁸	8,159												
Water diverted and stored in Arizona for the benefit of MWD.	Accrued LTSC in 10 ²	0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 10 ³	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 10 ⁴	407	400	1,424	1,546	738	702	743	1,120	729	55	295	0	8,159
	Total ALTSC ^{5,8}	7,752	7,352	5,928	4,382	3,644	2,942	2,199	1,079	350	295	0	0	0
STATES TOTAL	Verified BOY ALTSC ¹	660,571												
Water stored in AZ & CA for the benefit of SNWA and MWD.	Verified LTSC in 10 ³	0	0	0	0	0	0	0	0	3,480	1,631	10,758	1,611	17,480
	ICUA Developed in 10 ⁴	407	400	1,424	1,546	738	702	743	1,120	729	55	295	0	8,159
	Total ALTSC ⁵	660,164	659,764	658,340	656,794	656,056	655,354	654,611	653,491	656,242	657,818	668,281	669,892	669,892

Footnotes:

1. ALTSC's verified by the banking entity before the beginning of the reporting year. Available for recovery by a specific entity with a valid SIRA.
2. Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada or California with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200,000 af annually.
3. In 2010, AWBA stored water in Arizona for SNWA alone. Displayed values are provisional until verified by AWBA and represent water that may be available for recovery for SNWA.
4. ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have notified that this amount is available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to SNWA's and/or MWD's requested release. SNWA and/or MWD will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available. Total recovery of ALTSC from AWBA cannot exceed 100,000 af annually, due to a limitation defined under Arizona state law.
5. ALTSC's are cumulative monthly sum of verified, or estimated LTSC.
6. In 2004, MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, California will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California.
7. This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the current year.
8. LTSC's banked in CAWCD's name that are recoverable by MWD under the CAWCD-MWD agreement of October 15, 1992, in accordance with the amended CAWCD/ABWA/MWD letter agreement dated December 11, 2007.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently divert or consumptively use Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements are now established for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA) was signed October 10, 2003, by the Secretary of the Interior. The Inadvertent Overrun and Payback Policy (IOPP) became effective January 1, 2004, and applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in *69 Federal Register* 12,201 (2004).

Reclamation has also implemented an administrative policy that defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The following tabulation displays items associated with inadvertent overruns and paybacks. This includes the identification of entitlement holders who have inadvertently overrun since January 1, 2010, or a previous year, the amount of the overrun repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2010
 STATE OF ARIZONA

5/12/11

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
GILA MONSTER FARMS	IOPP Overruns by Water User	Calendar Year Diversion ²	7,457	8,854	9,156
		Calendar Year Overrun - Diversion ³	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion ⁴	603		
		Validated Calendar Year Paybacks - Diversion ⁵	603		
		EOY Overrun Account Balance - Diversion ⁶	0		
		Account Balance as Percent of Entitlement	0.0%		
CENTRAL ARIZONA WATER CONSERVATION DISTRICT	IOPP Overruns by Water User	Calendar Year Use ²	1,652,767	1,660,214	1,660,214
		Calendar Year Overrun ³	0		
		BOY Overrun Account Balance ⁴	11,659		
		Validated Calendar Year Paybacks ⁵	0		
		EOY Overrun Account Balance ⁶	11,659		
		Account Balance as Percent of Entitlement	1%		

Footnotes:

1. This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
2. The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
3. The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
4. The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
5. Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
6. The remainder of the IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2010
 STATE OF CALIFORNIA

5/12/11

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
IMPERIAL IRRIGATION DISTRICT	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	2,545,593	2,793,800	3,100,000
		Calendar Year Overrun - Consumptive Use ³	0		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		EOY Overrun Account Balance ⁶	0		
		Account Balance as Percent of Entitlement	0		
FORT MOJAVE INDIAN RESERVATION	IOPP Overruns by Water User	Calendar Year Diversion ²	11,773	12,650	16,720
		Calendar Year Overrun - Diversion ³	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion ⁴	8,833		
		Validated Calendar Year Paybacks - Diversion ⁵	4,070		
		Validated Calendar Year Paybacks - Consumptive Use	2,189		
		EOY Overrun Account Balance - Diversion ⁶	4,763		
		Account Balance as Percent of Entitlement	28%		

Footnotes:

1. This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
2. The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
3. The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
4. The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
5. Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
6. The remainder of the IOPP overrun account balance as of the end of the accounting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 CALENDAR YEAR 2010
 STATE OF NEVADA

5/12/11

(ACRE-FEET)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
SOUTHERN NEVADA WATER AUTHORITY	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	241,437	300,000	300,000
		Calendar Year Overrun - Consumptive Use ³	0		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		EOY Overrun Account Balance ⁶	0		
		Account Balance as Percent of Entitlement	0		

Footnotes:

1. This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy.
2. The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.
3. The amount of overrun accrued during the current year as determined by comparing the user's approved schedule against the water user's actual diversion or use.
4. The IOPP overrun account balance from the previous year, providing the user had a carry over balance.
5. Paybacks to the Colorado River system made during the current year, from conservation or application of ICS credits.
6. The remainder of the IOPP overrun account balance as of the end of the accounting year.

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are the interstate storage and release agreements, and the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback obligations by users within the state in accordance with IOPP, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2010.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
 CALENDAR YEAR 2010

STATE	ADJUSTMENTS	(ACRE-FEET)	ACTUAL USE
ARIZONA	Basic Apportionment ²		2,800,000
	System Conservation Water Created by YMIDD		(3,705)
	NV II(B)(6) Released to AZ for Storage for NV ³		0
	Intentionally Created Unused Apportionment for MWD		(8,159)
	Payback Obligations ⁴		(337)
	Total Available Colorado River Water ⁵		2,787,799
	Total Consumptive Use ⁶		2,780,367
	State Underrun or (Overrun) ⁷		7,432
	Overruns by Individual AZ Users		0
	Net State Underrun or (Overrun) ⁷		7,432
CALIFORNIA	Basic Apportionment ²		4,400,000
	NV II(B)(6) Released to CA for Storage for NV ³		0
	Intentionally Created Arizona Unused Apportionment for MWD		8,159
	Creation of Intentionally Created Surplus (MWD) ⁸		(100,864)
	Delivery of ICS (IID)		5,191
	IID Payback for Over Delivery to Salton Sea in 2009		(25)
	Payback Obligations ⁴		(2,189)
	Total Available Colorado River Water ⁵		4,310,272
	Total Consumptive Use ⁶		4,356,839
	State Underrun or (Overrun) ⁷		(46,567)
NEVADA	Additional Water Delivered to the Salton Sea ⁸		46,546
	Unauthorized Agricultural Use		21
	Net State Underrun or (Overrun) ⁷		0
	Basic Apportionment ²		300,000
	Intentionally Created Surplus Requested for Delivery		0
	NV II(B)(6) Available ³		0
	Total Available Colorado River Water ⁵		300,000
Total Consumptive Use ⁶		241,437	
Net State Underrun or (Overrun) ⁷		58,563	

Note: Values displayed are consumptive use amounts only.

Footnotes:

1. This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, payback obligations of individual water users, intentionally created unused apportionment, surplus, and system conservation.
2. The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.
3. Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona or California under the appropriate SIRA.
4. The reduction in the amount of water available to the state due to repayment obligations under the CRWDA or the IOPP.
5. The total amount of Colorado River water available for use by the state in 2010.
6. The total consumptive use of Colorado River water within the state as tabulated in the Article V. section of this report.
7. The difference between the Colorado River water available to the state and the state's actual consumptive use.
8. IID conserved 33,736 acre-feet of Colorado River water in 2010 which was transferred to SDCWA for exchange with CVWD for non-Colorado River water to meet Salton Sea mitigation requirements for 2010. Also, in 2010, IID delivered 46,546 acre-feet of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. The appropriate accounting for the 46,546 acre-feet is under review by Reclamation and will be reflected in the Colorado River Accounting and Water Use Report for 2011.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act, enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (Project) as part of a water supply exchange program. Water pumped from the Project well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The Project well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their contractual allocation. Although some California water users have access to surplus water, the use of the Project wells is required when surplus water is unavailable or insufficient to meet the needs of the Project beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Lower Colorado Water Supply Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, stage I of the Project has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and used by the Imperial Irrigation District (IID). IID will then forebear the use of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply Project water to the City of Needles (City) in annual amounts up to 3,500 acre-feet of the initial 8,000 acre-feet available. The contract with the City establishes a framework for the City to enter into subcontracts for delivery of Project water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) recommends whether a non-Federal applicant should be offered a subcontract for a Project water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and recommends the approved applicants to the City which then offers subcontracts.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of Project water under terms that the Secretary determines will benefit the interest of Project users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City and The Metropolitan Water District of Southern California (MWD), allowing Stage 1 of the Project to be pumped at capability, without jeopardizing the Project, allowing MWD to receive as much unused water as available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the Project or its replacement.

LOWER COLORADO WATER SUPPLY PROJECT
SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
CALENDAR YEAR 2010

5/12/11

		TOTAL
LCWSP WELLFIELD PUMPAGE ¹		5,104
LCWSP NON-FEDERAL CONTRACTORS		
City of Needles	Consumptive Use	478
Needles Subcontractors		
Havasu Water Company of California	Consumptive Use	36
Vista del Lago Resort	Consumptive Use	15
Pacific Gas & Electric Company	Consumptive Use	15
Southern California Gas Company	Consumptive Use	68
Needles Other Subcontractors	Consumptive Use	178
TOTAL NON-FEDERAL USE ²	Total CU	790
LCWSP FEDERAL CONTRACTORS		
BLM	Consumptive Use	321
RECLAMATION - Parker Dam and Government Camp	Consumptive Use	121
TOTAL FEDERAL USE ³	Total CU	442
LCWSP WATER AVAILABLE TO MWD ⁴		3,872

Footnotes:

1. Non-Colorado River water pumped from the LCWSP wellfield and delivered into the AAC for use by IID. IID forebears the diversion of this amount from the Colorado River to make water available for exchange by the LCWSP beneficiaries.
2. LCWSP non-Federal contractor (City of Needles) and subcontractors - Colorado River water use exchanged with LCWSP water.
3. LCWSP Federal Contractors - Colorado River water use exchanged with LCWSP water.
4. This is the total amount of water pumped from the wellfield minus wellfield pumpage for each of the other LCWSP participants.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS BY STATE

Colorado River water apportioned to the Lower Division states has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events are depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2010.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use” demonstrates the impact of conservation and transfers on agricultural water use in California in 2010. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE ¹
CALENDAR YEAR 2010

5/12/11

Uses by California Agricultural Entities	Consumptive Uses	Comments
Palo Verde Irrigation District	269,867	
Yuma Project Reservation Division	39,146	
Yuma Island Pumpers ²	<u>3,125</u>	
Priorities 1, 2, 3b	312,138	
CVWD	306,141	
IID	<u>2,545,593</u>	
Total California Agricultural Use	3,163,872	
MWD Adjustments for Priority 1, 2, and 3b use	0	MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.
CRWDA Exhibit C Payback ³	0	
MWD-CVWD Exchange	0	
IID and CVWD reductions for PPRs	<u>14,500</u>	
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,178,372	
 ANNUAL AGRICULTURAL TARGET COMPARISON		
2010 Agricultural Target	3,510,000	See Row 8, Column 23 of Exhibit B of the CRWDA
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	<u>3,178,372</u>	
Total Target Overrun or (Underrun)	(331,628)	
 Priority 1, 2, and 3b use below/above 420,000 af		
Palo Verde Irrigation District	269,867	
Yuma Project Reservation Division	39,146	
Yuma Island Pumpers ²	<u>3,125</u>	
Total Priority 1, 2, 3b Use	312,138	
MWD reduction for Priority 1, 2, and 3b water use	0	Per Section 4.d of the CRWDA, MWD use is reduced by the sum of Priority 1, 2, and 3b use greater than 420,000 af.
Priority 1, 2, and 3b water delivered to MWD	107,862	Per Section 4.d of the CRWDA, the sum of Priority 1, 2, and 3b use that's less than 420,000 af is delivered to MWD.

Footnotes:

1. Sections XI.A.,B.,E.,F.,G., of the 2007 Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead contain the adopted Interim Guidelines. Section XI.G.5 of the Interim Guidelines contains benchmarks for aggregate California agricultural water use during each third year from 2003 through 2012. Exhibit B (attached) to the CRWDA, column 22 references these Interim Guidelines benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the benchmarks. Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as all consumptive use of Priorities 1 through 3 plus 14,500 acre-feet of PPR use, minus any MWD adjustment for Priority 1 through 3 use above 420,000 acre-feet.

2. Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Decree accounting for this use; nor is it an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

3. Exhibit C obligations were fully extinguished in 2009.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2010
 STATE OF ARIZONA

5/12/11

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
CALENDAR YEAR 2010
STATE OF CALIFORNIA

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	(ACRE-FEET)												TOTAL	
	5/12/11	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
WATER CONSERVATION PROGRAM ¹ IID/MWD CONSERVED WATER														105,000
MWD REDUCTION FOR CVWD USE - IID CONSERVATION ²														8,000
IID CONSERVATION FOR TRANSFER TO SDCWA ³	4,906	4,745	12,528	14,170	9,790	7,536	12,856	3,469	0	0	0	0	70,000	
IID CONSERVATION FOR TRANSFER TO SDCWA - MITIGATION ⁴	0	0	0	0	0	0	0	6,477	7,430	9,140	5,809	4,905	33,761	
IID CONSERVATION FOR INTRA-PRIORITY 3 TRANSFER TO CVWD ⁵	2,021	671	0	0	0	0	0	0	0	33	1,709	2,375	6,809	
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM ⁶													148,614	
ALL-AMERICAN CANAL LINING PROJECT - TOTAL CONSERVATION ⁷													67,700	
ALL-AMERICAN CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁷													56,200	
ALL -AMERICAN CANAL LINING PROJECT SUPPLEMENTAL WATER - MWD ⁷													11,500	
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION ⁸													30,850	
COACHELLA CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁸													25,307	
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL WATER - MWD ⁸													4,500	
COACHELLA CANAL LINING PROJECT - MITIGATION ⁸													1,043	

Note: The remaining Exhibit B transfers, exchanges and conservation can be determined from Exhibit B in this report. Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available based upon their own schedule.

Footnotes:

- 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement made available by IID for diversion in current year by MWD, reported as an annual total.
- MWD reduction for up to 20,000 af of water conserved by IID under the 1988 IID/MWD Water Conservation Program for use by CVWD. This reduction occurs at CVWD's request in accordance with the 1989 Approval Agreement as amended.
- The CRWDA allows conservation by IID for transfer to SDCWA. The annual amount of reduction is found in Column 5, Exhibit B, of the CRWDA.
- Water transferred to SDCWA for delivery by exchange to the Salton Sea for mitigation purposes found in Column 7, Exhibit B of the CRWDA. In 2010, IID conserved 33,761 acre-feet of water through fallowing. Twenty five acre-feet of the 33,761 acre-feet of conserved water was left in Lake Mead to repay a 25 acre-foot over delivery made to the Salton Sea in 2009 leaving a balance of 33,736 acre-feet of conserved water. IID conserved 33,736 acre-feet of Colorado River water in 2010 which was transferred to SDCWA for exchange with CVWD for non-Colorado River water to meet Salton Sea mitigation requirements for 2010. Also, in 2010, IID delivered 46,546 acre-feet of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. The appropriate accounting for the 46,546 acre-feet is under review by Reclamation and will be reflected in the Colorado River Accounting and Water Use Report for 2011.
- IID conserves water under an acquisition agreement with CVWD to meet the IID/CVWD Intra-priority 3 Transfer obligation shown in Column 8, Exhibit B of the CRWDA.
- PVID's annual reduction in consumptive use through land fallowing. These values are recorded in Table 8 of a jointly produced report compiled by Reclamation, PVID, and MWD entitled "Calendar Year 2010 Fallowed Land Verification Report." This value represents the estimated reduction in PVID consumptive use as a result of fallowing of 25,947 acres from January to December 2010 and an additional fallowed acreage of 13,222 acres from January through March 2010 and lesser amounts through July 2010 in accordance with the MWD 2009-2010 One-Year Emergency Fallowing Program.
- Water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined All-American Canal. The Secretarial Determination of water conserved by the lining for Reaches of the project was issued in December 2009 (see Significant Documents). Water resulting from conservation was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD IID, SDCWA, and the SLRSP, dated October 10, 2003.
- Water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008. Water resulting from conservation was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003 and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 CALENDAR YEAR 2010
 STATE OF NEVADA

5/12/11

(ACRE-FEET)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

WATER MADE AVAILABLE BY CONSERVATION
 CALENDAR YEAR 2010
 BUREAU OF RECLAMATION

	5/12/11	(ACRE-FEET)											
TRANSFER PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YMIDD/USBR AGREEMENT FOR SYSTEM CONSERVATION ¹													3,705
ARIZONA GROUND WATER PERMIT ²	0	0	0	0	0	0	0	0	0	0	0	0	0
WARREN H. BROCK RESERVOIR CONSERVATION ³	0	0	0	0	0	0	0	0	2,957	5,286	4,027	0	12,270
YUMA DESALTING PLANT - PILOT RUN ⁴	0	0	0	0	2,375	3,189	3,411	3,207	2,169	2,269	2,151	2,167	20,938

Footnotes:

1. Reclamation entered into a system conservation agreement with YMIDD to conserve water. In 2010, 3,705 acre-feet of water created as a result of the YMIDD System Conservation Program remained in Lake Mead.
2. In 2007, Reclamation was granted a permit to withdraw Arizona ground water for return credits to offset bypass flows to Mexico. The values shown represent the return flow credits earned in accordance with the permit in 2010.
3. Colorado River water captured in the Warren H. Brock Reservoir that would have otherwise been delivered to Mexico in excess of treaty requirements. The result of these captures are conservation of an equal amount of water left in Lake Mead for future use.
4. Conservation as result of the operation of the Yuma Desalting Plant in accordance with Minute 316 and the Joint Report between the U.S. and Mexico.

EXHIBIT B
QUANTIFICATION AND TRANSFERS¹

In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Calendar Year	2 ^{Priority 1, 2 and 3b}	IID Priority 3a Reductions										CVWD Priority 3a						Total Priority 1 3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	12 ^{ISG Benchmarks}	12 ^{Annual Targets}		
			IID Priority 3a Quantified Amount	3 ^{IID Reduction: MWD 1988 Agreement Transfer}	IID Reduction: SDCWA Transfer	4 ^{IID Reduction: AAC Lining IID, SDCWA & SLR}	5 ^{IID Reduction: SDCWA Mitigation Transfer}	7 ^{Intra-Priority 3 Transfer IID/CVWD}	6 ^{IID Reduction: MWD Transfer with Salton Sea Restoration}	8 ^{IID Reduction: Conditional ISG Backfill}	9 ^{IID Reduction: Misc. PPRs}	IID Reductions: Total Amount (sum of columns 4 through 11)	10 ^{IID Net Consumptive Use Amount (difference between column 3 and column 12)}	CVWD Priority 3a Quantified Amount	4 ^{CVWD Reduction: CC Lining, SDCWA & SLR}	9 ^{CVWD Reduction: Misc. PPRs}	11 ^{CVWD Reductions: Total Amount (sum of columns 15 + 16)}	7 ^{Intra-Priority 3 Transfer IID/CVWD}				3 ^{Intra-Priority 3 Transfer MWD/CVWD}	CVWD Net Consumptive Use Amount (columns 14 - 17 plus columns 18 + 19)
1	2003	420	3,100	110	10	0	5	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740
2	2004	420	3,100	110	20	0	10	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0	3,740	3,707
3	2005	420	3,100	110	30	0	15	0	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	68	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3100	110	70	68	35	12	60	0	12	366	2734	330	26	3	29	12	20	333	3501		3510
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047 ¹³	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077 ¹⁴	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

- Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
- Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
- IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
- Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
- Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
- Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent.
- MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
- 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.
- Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
- For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
- For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
- All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
- Assumes SDCWA does not elect termination in year 35.
- Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

INTENTIONALLY CREATED SURPLUS WATER

On December 13, 2007, the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (Interim Guidelines) was signed. Section 3, pages 38-43 of the Interim Guidelines contains the policies and guidelines concerning the categories of, creation, delivery, and accounting for Intentionally Created Surplus (ICS) water.

Prior to the signing of the Interim Guidelines, Reclamation had in 2006, entered into letter agreements with the Imperial Irrigation District and The Metropolitan Water District of Southern California to implement a demonstration program for the development of ICS. The demonstration program covered the creation of ICS water during calendar years 2006 and 2007. "ICS water" in this program referred to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona v. California*, 547 U.S. 150 (2006) (Consolidated Decree) as ICS. The demonstration program required the creation of ICS water through extraordinary conservation. Beginning in 2008, the creation and use of ICS water is governed by the Interim Guidelines.

Under the Interim Guidelines four types of ICS water may be created by an approved contractor: Extraordinary Conservation ICS, Tributary Conservation ICS, System Efficiency ICS, and Imported ICS. Also stipulated in the

Interim Guidelines are the limits as to how much ICS water of each type may be created each year and in total, as well as how much ICS water may be delivered by the Secretary each year. The following conditions apply to ICS water:

- 1) During the year of creation, and with the exception of System Efficiency ICS, five percent of the ICS water created will be dedicated to system storage to provide a collective storage benefit for Colorado River users,
- 2) An annual evaporation loss of three percent will be applied to the remaining ICS water beginning the year after its creation,
- 3) Under flood control releases ICS water will be the first released, and
- 4) In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS.

The Secretary is responsible for approving plans for the creation of ICS water, allowing for their modification, and developing procedures to account for and verify ICS creation and delivery.

Copies of the demonstration program agreements and the Interim Guidelines can be found in the Significant Documents section of the report.

INTENTIONALLY CREATED SURPLUS BALANCES
BY STATE, USER, AND TYPE OF ICS
CALENDAR YEAR 2010

5/12/11

(ACRE-FEET)

State	User	ICS Type	Year	BOY Balance	Creation ¹	IOPP Payback ²	System Benefit ³	Evaporation Loss ⁴	Delivery	EOY Balance ⁵
ARIZONA	CAP	System Efficiency - Warren H. Brock ⁶	2010	100,000	0	0	NA	NA	0	100,000
		System Efficiency - YDP Pilot Run ⁸	2010	0	2,094					2,094
CALIFORNIA	MWD	Extraordinary Conservation ⁷	2010	79,790	100,864	0	5,043	2,394	0	173,217
		System Efficiency - Warren H. Brock ⁶	2010	66,000	0	0	NA	NA		66,000
		System Efficiency - YDP Pilot Run ⁸	2010	0	16,750					16,750
	IID	Extraordinary Conservation	2010	11,400	0			186	5,191	6,023
NEVADA	SNWA	Tributary Conservation converted to Extraordinary Conservation ⁹	2010	20,410	0	0	0	612	0	19,798
		Tributary Conservation	2010	0	30,070	0	1,504	0	0	28,566
		Imported	2010	0	841	0	42	0	0	799
		System Efficiency - Warren H. Brock ⁶	2010	400,000	0	0	NA	NA	0	400,000
		System Efficiency - YDP Pilot Run ⁸	2010	0	2,094					2,094

Note: All 2010 ICS values displayed are provisional until verified by Reclamation.

Total ICS stored in Lake Mead: EOY 2010 815,341

Footnotes:

1. The amount of ICS water created by the contractor during the calendar year. Unless noted, all current year values displayed in this column are provisional until verified by Reclamation.
2. In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. In 2010, the contractor's ICS account shall be reduced by the full overrun payback balance before the amount of ICS credits available to the contractor is calculated.
3. In accordance with Section 3.B.2. of the Interim Guidelines, there shall be a one-time deduction of five percent (5%) from the amount of ICS in the year of creation. This system assessment shall result in additional system water in storage in Lake Mead.
4. The evaporation loss factor is 3.0 percent, per the Interim Guidelines.
5. The EOY balance of ICS water including creation and reductions taking place in the accounting year.
6. The Warren H. Brock Reservoir became operational in 2010. Per the funding agreement of December 13, 2007, CAWCD and MWD are credited with 100,000 acre-feet each of System Efficiency ICS, and SNWA is credited with 400,000 acre-feet.
7. In 2010, MWD was approved to create up to 133,000 acre-feet of Extraordinary Conservation ICS under an approved ICS plan. The Colorado River Accounting and Water Use Report for 2010 credits MWD with the creation of 100,864 acre-feet of Extraordinary Conservation ICS. Also, in 2010, IID delivered 46,546 acre-feet of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. The appropriate accounting for the 46,546 acre-feet is under review by Reclamation and will be reflected in the Colorado River Accounting and Water Use Report for 2011.
8. CAP, MWD, and SNWA have developed System Efficiency (SE) credit through funding the operation of the YDP for a period of up to 18 months. ICS credit will be applied to each of the ICS accounts in proportion to each entity's funding percentage upon the production of water by the YDP. In 2010, total SE ICS credits for YDP are 20,938 acre-feet.
9. In 2009, SNWA stored 20,410 acre-feet of Tributary Conservation ICS in Lake Mead. In accordance with Section 3.A.2 of the Interim Guidelines, this amount was converted to Extraordinary Conservation ICS at the beginning of 2010 and assessed an evaporative loss in accordance with Section 3.B.7 of the Interim Guidelines.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2010

These documents provide the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2010.

The compact disc (CD) located in the pocket on the back cover of this report contains the documents significant to the delivery of Colorado River water in 2010. These electronically filed documents are in searchable Acrobat® (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms on page one of this report. Anyone desiring additional water accounting information is encouraged to log on to the following website, where all previous water accounting reports can be viewed and complete PDF files may be downloaded at: www.usbr.gov/lc/region/g4000/wtracct.html.

RECORDS OF DECISION:

The Record of Decision for Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead.

- CD file name: 2007 ROD Interim Guidelines-Shortages-Coordinated Operations.pdf

REPORTS:

2010 Annual Operating Plan Executive Summary

Outlines the criteria under which the Colorado River will be operated during CY 2010 considering current and anticipated conditions.

- CD file name: 2010 Annual Operating Plan Executive Summary.pdf

DETERMINATIONS:

Interim Determination for the Coachella Canal Lining Project

The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the Coachella Canal Lining Project.

- CD file name: CCLP Lining Interim Determination.pdf

Interim Determination for the All-American Canal Lining Project

The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result the All-American Canal Lining Project.

- CD file name: AAC Lining Interim Determination.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2010

PROGRAMS/PROCESSES:

SYSTEM CONSERVATION:

Demonstration Program for System Conservation of Colorado River Water

This is an agreement between YMIDD and Reclamation, to conserve 3,705 acre-feet of Colorado River water through December 31, 2010, through the voluntary fallowing of 529.24 acres of farmland within YMIDD boundaries.

- CD file name: 2010 BR-YMIDD System Conservation Agreement.pdf

INTENTIONALLY CREATED SURPLUS:

Verification of SNWA's Tributary Conservation Intentionally Created Surplus for the Muddy and Virgin Rivers for calendar year 2008

- CD file name: SNWA 2008 ICS Verification.pdf

Verification of SNWA's Tributary Conservation Intentionally Created Surplus for the Muddy and Virgin Rivers for calendar year 2009

- CD file name: SNWA 2009 ICS Verification.pdf

SNWA's Tributary Conservation ICS and Imported ICS plans of creation for calendar year 2010

These are plans for the creation of Muddy and Virgin Rivers Tributary Conservation ICS.

- CD file name: SNWA ICS plans for 2010.pdf

Reclamation's approval of SNWA's Tributary Conservation and Imported ICS plans for calendar year 2010

- CD file name: SNWA 2010 ICS approval.pdf

MWD's Extraordinary Conservation ICS certification report for calendar year 2009

- CD file name: MWD 2009 ICS Certification.pdf

Reclamation's letter verifying MWD's Extraordinary Conservation ICS creation for calendar year 2009

- CD file name: MWD 2009 ICS Verification.pdf

MWD's Extraordinary Conservation ICS plan for calendar year 2010

- CD file name: MWD 2010 ICS plan.pdf

MWD's Revised Extraordinary Conservation ICS plan for calendar year 2010

- CD file name: MWD 2010 revised ICS plan.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2010

INTENTIONALLY CREATED SURPLUS (continued):

Reclamation's approval of MWD's Revised Extraordinary Conservation ICS plan for calendar year 2010

- CD file name: MWD's 2010 Revised Extraordinary Conservation ICS Approval.pdf

Reclamation's letter verifying IID's Extraordinary Conservation ICS creation for calendar year 2009

- CD file name: IID 2009 ICS Verification.pdf

IID's Extraordinary Conservation ICS plan for calendar year 2010

- CD file name: IID 2010 Extraordinary Conservation ICS plan.pdf

Reclamation's approval of IID's Extraordinary Conservation ICS plan for calendar year 2010

- CD file name: IID 2010 ICS plan approval

System Efficiency ICS created in 2010 through a pilot run of the Yuma Desalting Plant funded by and for the benefit of MWD, SNWA, and CAWCD

- CD file name: Pilot Run report.pdf

IBWC concurrence of the amount or arranged water delivered by Reclamation in 2010.

- 2010 IBWC-BR amount contributed by US concurrence

INADVERTENT OVERRUN AND PAYBACKS:

CAWCD overrun notice. Formal notification to CAWCD for an inadvertent overrun incurred in calendar year 2009

- CD file name: 2009 CAWCD overrun notice

CAWCD IOPP Payback plan for an inadvertent overrun in calendar year 2009

- CD file name: CAWCD 2011 Inadvertent Overrun Payback Plan.pdf

Reclamation's approval of CAWCD's IOPP Payback plan for an inadvertent overrun in calendar year 2009

- CD file name: CAWCD 2011 Payback Plan Approval.pdf

Gila Monster Farms 2010 revised payback plan. A revised plan for full repayment of inadvertent overruns incurred in 2007

- CD file name: GMF 2010 revised payback plan.pdf

Gila Monster Farms 2010 revised plan approval. Reclamation's approval of Gila Monster Farms revised payback plan to fully extinguish Gila Monster Farms 2007 payback obligation

- CD file name: GMF 2010 IOPP revised approval.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2010

INADVERTENT OVERRUN AND PAYBACKS (continued):

Reclamation's verification letter confirming the amount of water conserved for payback in 2010. This letter confirms that Gila Monster Farm's IOPP obligation is fully extinguished.

- CD file name: GMF 2010 IOPP payback verification.pdf

Fort Mojave Indian Tribe in California IOPP payback plan for inadvertent overruns in 2007 and 2008

- CD file name: FMIT 2010 IOPP Payback Plan.pdf

Fort Mojave Indian Tribe in California IOPP payback approval. Reclamation's approval of the Fort Mojave Tribe's IOPP payback plan.

- CD file name: FMIT 2010 IOPP Payback Plan Approval.pdf

Fort Mojave Indian Tribe in California—Reclamation's letter requesting a revised IOPP payback plan

- CD file name: FMIT 2010 IOPP Request for Revised Payback Plan.pdf

Fort Mojave Indian Tribe in California revised IOPP payback plan

- CD file name: FMIT 2010 Revised IOPP Payback Plan.pdf

Fort Mojave Indian Tribe in California revised IOPP payback plan approval. Reclamation's letter approving the Fort Mojave Indian Tribes revised 2010 IOPP payback plan

- CD file name: FMIT 2010 Revised IOPP Payback Plan Approval.pdf

Reclamation's verification letter confirming the amount of water conserved by the Fort Mojave Tribe for payback in 2010

- CD file name: FMIT 2010 IOPP payback verification.pdf

INTERSTATE WATER BANKING:

Arizona Water Banking Authority (AWBA) water banking verification for calendar year 2009. A letter from AWBA verifying the amount of water stored in Arizona for the benefit of SNWA.

- CD file name: AWBA 2009 water banking verification.pdf

AWBA anticipated long-term storage credits to be developed for SNWA in calendar year 2010

- CD file name: AWBA—SNWA 2010 Interstate Storage.pdf

MWD water banking summary. A letter from MWD verifying the final accounting for the SNWA Interstate Account administered by MWD through calendar year 2010.

- CD file name: MWD-SNWA 2010 Water Banking Summary.pdf

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2010

INTERSTATE WATER BANKING (continued):

AWBA 2010 ICUA certification for calendar year 2009. A letter from AWBA certifying the amount of ICUA developed in 2009 for the benefit of MWD.

- CD file name: AWBA 2009 certification of ICUA for MWD.pdf

AWBA 2010 ICUA recovery and development estimate. A letter from AWBA estimating the amount of ICUA that would be recovered and developed in 2010 for MWD.

- CD file name: AWBA 2010 ICUA development.pdf

CRWDA:

Coachella Canal Lining Project Mitigation Water. A letter from CVWD indicating how much environmental mitigation water was used leaving the remaining water available for transfer to the SDCWA.

- CD file name: 2010 Coachella Canal Mitigation Water.pdf

Coachella Canal Lining Project Mitigation Water. A letter from Reclamation to CVWD acknowledging the amount of mitigation water used and the amount of water available to SDCWA.

- CD file name: 2010 CVWD mitigation water

Agreement for Delivery of Exchange Water at the Whitewater Service Connections. An agreement between CVWD and MWD to have MWD deliver 10,000 acre-feet of Exchange Water to the Whitewater Service Connections in calendar year 2010.

- CD file name: 2010 MWD—CVWD exchange agreement

CVWD revised water order for calendar year 2010.

- CD File name: 2010 CVWD revised diversion request

WATER ACCOUNTING:

USGS diversion estimate methodology. A description on how irrigation water is accounted for by the USGS for areas where estimates or diversion are required.

- CD file name: USGS Diversion Estimate Methodology.pdf

Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations for Arizona and California.

- CD file name: USGS Pump Maps

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2010**

WATER ACCOUNTING (continued):

Reclamation's Lower Colorado Region Regional Director's letter regarding a footnote concerning 2010 deliveries to the Salton Sea recorded in the 2010 water accounting report

- CD file name: Footnote for 2010 Water Accounting Report.pdf

A letter from SNWA and MWD expressing their desire to leave any Nevada unused Colorado River apportionment in Lake Mead pursuant to Article II(B)(6) of the Consolidated decree.

- CD file name: SNWA-MWD letter to USBR urging leave NV unused in Mead.pdf

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2011



U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2011

Prepared by

**Lower Colorado Region
Boulder Canyon Operations Office**



**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
P.O. Box 61470
Boulder City, NV 89006-1470**

May 2012

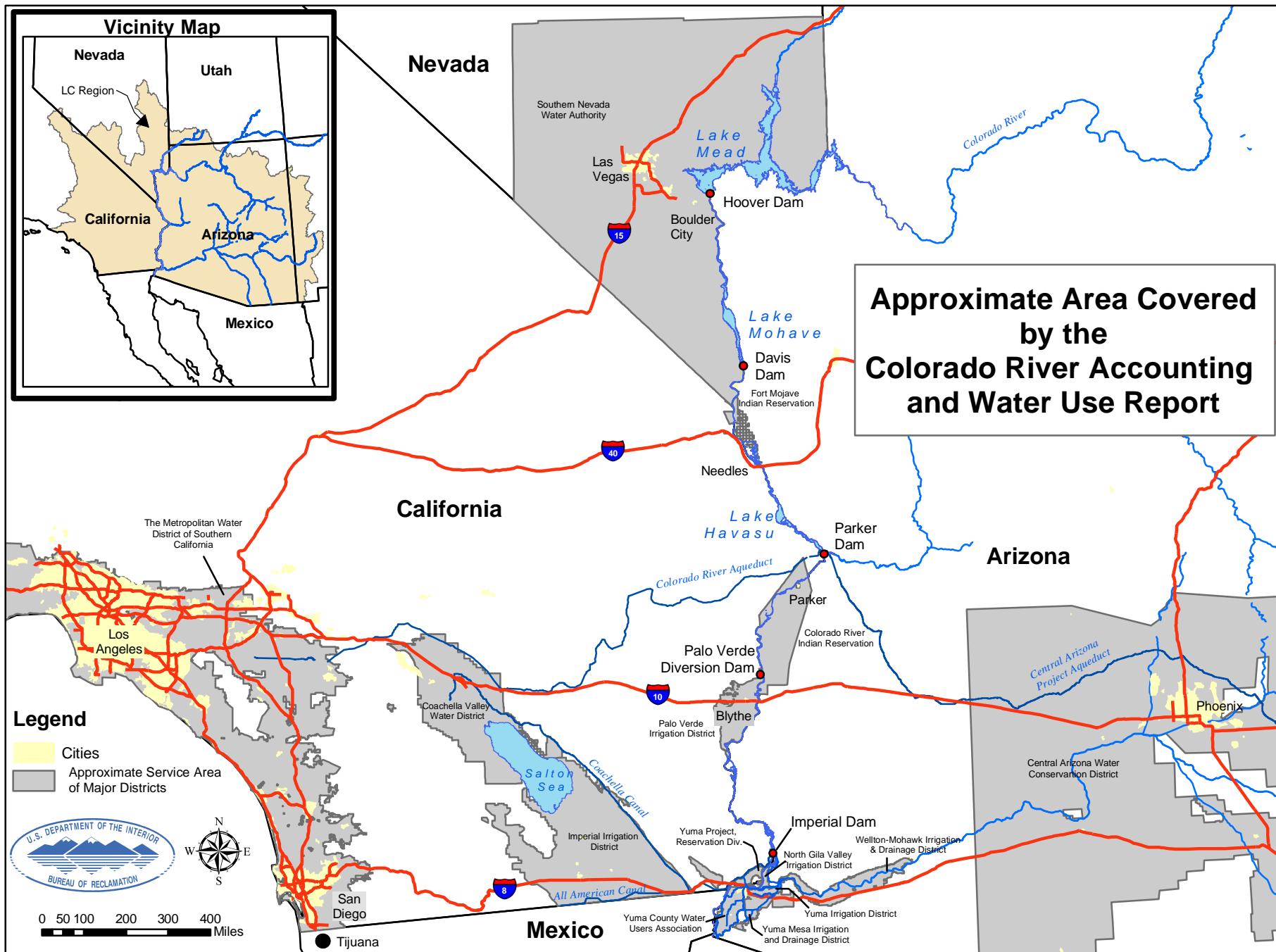


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Acronyms and Abbreviated Terms

These acronyms and abbreviations are found in the text, footnotes, and headings within this document

AAC	All-American Canal	Ftns	Footnotes
AACLCP	All-American Canal Lining Project	FYIR	Fort Yuma Indian Reservation
ADP	Arizona diesel pump	GGMC	Gila Gravity Main Canal
ADW	Arizona diesel well	ICUA	intentionally created unused apportionment
AEP	Arizona electric pump	I.D.D.	irrigation and drainage district
AEW	Arizona electric well	IBWC	International Boundary and Water Commission
af	acre-feet	ICS	Intentionally Created Surplus
AFY	Acre-feet per Year	IID	Imperial Irrigation District
ALTSC	accumulated long term storage credit	IOPP	Inadvertent Overrun and Payback Policy
AOP	Annual Operating Plan	ISG	Colorado River Interim Surplus Guidelines
APS	Arizona Public Service	IUS	Interstate Underground Storage credits
ASLD	Arizona State Land Department	kaf	kilo (thousand) acre-feet
Assn.	Association	LCWSP	Lower Colorado Water Supply LCWSP
AWBA	Arizona Water Banking Authority	LHFO	Lake Havasu Field Office (BLM)
BLM	Bureau of Land Management	LLC	Limited Liability Company
BOY	beginning of year	LTD	Limited
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CCLP	Coachella Canal Lining LCWSP	MAF	Mega (million) acre-feet
CDP	California diesel pump	MWD	The Metropolitan Water District of Southern California
CDW	California diesel well	MOD	Main Outlet Drain
CDEW	California diesel electric well	MODE	Main Outlet Drain Extension
CEP	California electric pump	M&I	municipal and industrial
CEW	California electric well	NWR	National Wildlife Refuge
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CO	Colorado	PG & E	Pacific Gas and Electric Company
CR	Colorado River	PVID	Palo Verde Irrigation District
CRBC	Colorado River Board of California	QSA	Quantification Settlement Agreement
CRCN	Colorado River Commission of Nevada	Res	Reservation
CRIT	Colorado River Indian Tribes	SCE	Southern California Edison Company
CRWDA	Colorado River Water Delivery Agreement	SIB	Southerly International Boundary
CU	consumptive use	SIRA	Storage and Interstate Release Agreement
CVWD	Coachella Valley Water District	SDCWA	San Diego County Water Authority
CY	calendar year	SLRSP	San Luis Rey Settlement Parties
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	USGS	United States Geological Survey
Div	diversion	YAO	Yuma Area Office (Reclamation)
DPOC	drainage pump outlet channel	YDP	Yuma Desalting Plant
ECICS	Extraordinary Conservation Intentionally Created Surplus	YFO	Yuma Field Office (BLM)
ET	evapotranspiration	YID	Yuma Irrigation District
EOY	end of year	YMIDD	Yuma Mesa Irrigation and Drainage District
FEIS	Final Environmental Impact Statement		

SUMMARY
 COLORADO RIVER ACCOUNTING AND WATER USE REPORT
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY														
ARIZONA	129,270	180,781	290,691	315,005	303,211	298,321	236,817	198,525	201,721	239,375	208,992	178,399	2,781,108	
CALIFORNIA	218,239	188,974	409,563	467,821	484,968	478,232	520,926	489,191	404,435	299,026	196,058	155,228	4,312,661	
NEVADA	9,479	8,943	14,910	20,577	26,055	25,759	27,213	28,699	18,540	20,511	13,287	8,874	222,847	
TOTAL LOWER DIVISION STATES CONSUMPTIVE USE	356,988	378,698	715,164	803,403	814,234	802,312	784,956	716,415	624,696	558,912	418,337	342,501	7,316,616	
TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS ¹	128,113	155,921	195,426	192,064	110,741	119,566	125,942	94,770	89,307	63,478	109,271	115,401	1,500,000	
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC	5,905	5,790	6,960	11,516	13,637	13,283	10,048	9,774	12,621	13,157	12,710	15,222	130,623	
TO MEXICO IN EXCESS OF TREATY	12,684	17,442	3,471	11,596	4,472	743	1,227	1,776	1,307	6,707	2,685	13,844	77,954	
TOTAL CU. LOWER DIVISION STATES AND DELIVERIES TO MEXICO²	503,690	557,851	921,021	1,018,579	943,084	935,904	922,173	822,735	727,931	642,254	543,003	486,968	9,025,193	
LCWSP WELLFIELD PUMPING SUMMARY³														
													NON-FEDERAL	
													FEDERAL	
													TOTAL	
														4,068
														392
														4,460
RESERVOIR CONTENTS SUMMARY	2010 EOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
TOTAL STORAGE IN LOWER BASIN ⁴	12,533	12,985	13,382	13,457	13,412	13,625	13,959	14,419	14,995	15,173	15,471	16,012	16,767	4,234
TOTAL STORAGE IN LOWER BASIN PLUS LAKE POWELL ⁵	27,002	26,807	26,617	26,261	26,338	27,723	31,048	33,024	32,885	32,766	32,720	32,695	32,741	5,739
PERCENTAGE OF ACTIVE STORAGE - LOWER BASIN PLUS POWELL	51.3%	50.9%	50.6%	49.9%	50.0%	52.7%	59.0%	62.8%	62.5%	62.3%	62.2%	62.1%	62.2%	
OFFSTREAM INTERSTATE STORAGE SUMMARY	2010 EOY	2011	2011	2011 EOY										
	Balance	Storage	Recovered	Balance										
WATER STORED IN AZ FOR THE BENEFIT OF NV ⁶	600,651	0	0	600,651										
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV	70,000	0	0	70,000										

Footnotes:

- ¹ Deliveries to Mexico to satisfy Treaty requirements.
- ² Sum of Total Consumptive Use in the Lower Division States, Deliveries to Mexico in Satisfaction of Treaty requirements, Water Bypassed Pursuant to Minute No. 242 of the IBWC and water passing to Mexico in excess of Treaty requirements.
- ³ Pumpage of Lower Colorado Water Supply Project wellfield to offset specific Colorado River water use in California.
- ⁴ Sum of end-of-month storage in Lower Basin Lakes Mead, Mohave, and Havasu. Values displayed are in thousands of acre-feet.
- ⁵ Sum of end-of-month storage in Upper Basin Lake Powell and Lower Basin Lakes Mead, Mohave, and Havasu. Values displayed are in thousands of acre-feet.
- ⁶ The LTSC's for 2010 have been adjusted upward as verified by the AWBA in a letter dated August 3, 2011. As a result, the EOY balance for 2010 is increased by 759 acre-feet from 599,892 acre-feet to 600,651 acre-feet.

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2011

5/15/12

(Values in thousand acre-feet)

	2010 EOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CY CHANGE ¹
END OF MONTH ACTIVE CONTENTS ²														
LAKE POWELL	14,469	13,822	13,235	12,804	12,926	14,098	17,089	18,605	17,890	17,593	17,249	16,683	15,974	1,505
PERCENTAGE OF POWELL ACTIVE STORAGE ³	59.5%	56.8%	54.4%	52.6%	53.1%	58.0%	70.3%	76.5%	73.6%	72.3%	70.9%	68.6%	65.7%	
LAKE MEAD	10,301	10,765	11,117	11,170	11,115	11,304	11,705	12,133	12,730	12,977	13,456	13,933	14,644	4,343
LAKE MOHAVE	1,650	1,670	1,699	1,705	1,707	1,727	1,679	1,702	1,682	1,610	1,435	1,511	1,586	-64
LAKE HAVASU	582	550	567	581	590	593	575	584	583	585	579	567	537	-45
TOTAL STORAGE IN LOWER BASIN ⁴	12,533	12,985	13,382	13,457	13,412	13,625	13,959	14,419	14,995	15,173	15,471	16,012	16,767	4,234
PERCENTAGE OF CO RIVER ACTIVE STORAGE IN THE LOWER BASIN ⁵	44.3%	45.9%	47.3%	47.5%	47.4%	48.1%	49.3%	50.9%	53.0%	53.6%	54.7%	56.6%	59.2%	
TOTAL LOWER BASIN STORAGE PLUS LAKE POWELL ⁶	27,002	26,807	26,617	26,261	26,338	27,723	31,048	33,024	32,885	32,766	32,720	32,695	32,741	5,739
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL ⁷	51.3%	50.9%	50.6%	49.9%	50.0%	52.7%	59.0%	62.8%	62.5%	62.3%	62.2%	62.1%	62.2%	
TOTAL SYSTEM STORAGE ⁸	32,370	32,125	31,866	31,506	31,577	33,045	36,868	39,262	3,899	38,680	38,527	38,466	38,366	5,996
PERCENTAGE OF TOTAL SYSTEM STORAGE ⁹	54.5%	54.1%	53.7%	53.1%	53.2%	55.6%	62.1%	66.1%	6.6%	65.1%	64.9%	64.8%	64.6%	

Footnotes:

¹ "CY CHANGE" is the difference in the end-of-month storage from midnight December 31 of the preceeding year and midnight December 31 of the reporting year. A positive value indicates an increase in the amount of water in storage. A negative value indicates a decrease in the amount of water in storage.

² Actual values may differ slightly from the displayed values due to rounding and being displayed to the nearest thousand acre-feet.

³ Percentage of total active storage capacity available in Lake Powell. Based on total active storage capacity of 24,322,000 af. For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

⁴ The sum of end-of-month storage in Lakes Mead, Mohave, and Havasu.

⁵ The percentage of available total active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on the total active storage capacity of 28,549,200 af.

⁶ The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).

⁷ The percentage of total available active storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on a total active storage capacity of 52,871,200 af.

⁸ Total end-of-month system storage, includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River system. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu.

⁹ The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total active system storage capacity of 59,623,200 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

In accordance with Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, “The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.”

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulation, for calendar year 2011, shows the final records for release of water through regulatory structures controlled by the United States. Records of releases from Glen Canyon, Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams are furnished by the USGS and are based upon measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

STRUCTURE	CALENDAR YEAR 2011												TOTAL
	5/15/12	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GLEN CANYON DAM	1,012,000	975,900	1,046,000	962,600	1,191,000	1,391,000	1,502,000	1,501,000	957,000	979,500	1,104,000	1,226,000	13,848,000
HOOVER DAM	539,700	634,400	1,006,000	1,078,000	1,002,000	939,600	1,002,000	831,300	669,800	443,300	564,200	496,700	9,207,000
DAVIS DAM	515,200	587,700	987,200	1,060,000	941,400	954,300	961,800	832,500	734,500	646,700	510,000	426,100	9,157,400
PARKER DAM	387,200	406,700	692,700	773,800	682,500	712,200	770,400	671,700	540,100	470,000	318,300	262,100	6,687,700
HEADGATE ROCK DAM ¹	363,830	380,960	644,610	705,910	613,770	634,630	686,780	584,900	478,990	422,360	293,470	233,880	6,044,090
PALO VERDE DIVERSION DAM	322,400	323,700	566,900	653,900	548,600	532,100	591,700	478,700	386,300	364,500	268,300	238,000	5,275,100
IMPERIAL DAM ²	38,300	34,610	24,860	78,400	33,810	26,130	22,620	27,280	21,270	20,830	21,040	34,730	383,880
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	359	343	561	601	627	587	604	595	527	569	447	365	6,185
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	38,659	34,953	25,421	79,001	34,437	26,717	23,224	27,875	21,797	21,399	21,487	35,095	390,065
LAGUNA DAM	37,180	37,100	25,460	70,710	36,680	28,850	27,850	28,730	24,680	21,120	21,660	33,000	393,020

Footnotes:

¹ Computed as Parker Dam release minus diversion at Headgate Rock Dam.

² Represents flow below Imperial Dam alone and does not include diversions through the All-American Canal and the Gila Gravity Main Canal.

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH
ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT
IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2011 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished by the United States Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each state. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream, and consumptive use are listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For diversions reported by the USGS, the USGS verifies the crops being grown and uses evapotranspiration methodologies to estimate the crop use, then

applies irrigation efficiency coefficients to derive the estimated diversions. Unmeasured returns are computed by multiplying a user's diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior, or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice an error or omission, please report it to Boulder Canyon Operations Office at the address listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation has discontinued reporting these wells.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF ARIZONA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
LAKE MEAD NATIONAL RECREATION AREA, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	8	7	8	11	13	14	17	12	11	8	8	11	128
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	8	7	8	11	13	14	17	12	11	8	8	11	128
LAKE MEAD NATIONAL RECREATION AREA, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION	11	9	8	12	14	19	23	20	21	16	11	13	177
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	11	9	8	12	14	19	23	20	21	16	11	13	177
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	28	2	2	2	7	4	28	4	4	3	3	3	90
	MEASURED RETURNS	28	1	2	2	6	3	28	4	4	3	3	3	87
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	1	0	0	1	1	0	0	0	0	0	0	3
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	615	583	708	732	819	854	1,047	1,047	973	792	683	664	9,517
MOHAVE CO. PARKS DIVERSION AT DAVIS DAM	DIVERSION	0	0	1	1	2	1	1	2	1	1	1	0	11
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	203	192	234	242	271	282	346	346	321	262	226	219	3,144
	CONSUMPTIVE USE	412	391	475	491	550	573	702	703	653	531	458	445	6,384
MOHAVE WATER CONSERVATION DISTRICT PUMPED FROM WELLS	DIVERSION	55	53	60	71	69	87	92	84	78	76	63	61	849
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	18	17	20	23	23	29	30	28	26	25	21	20	280
	CONSUMPTIVE USE	37	36	40	48	46	58	62	56	52	51	42	41	569
BROOKE WATER LLC PUMPED FROM RIVER	DIVERSION	21	19	18	23	25	25	33	32	33	30	24	21	304
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	7	6	6	8	8	8	11	11	11	10	8	7	101
	CONSUMPTIVE USE	14	13	12	15	17	17	22	21	22	20	16	14	203
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS	DIVERSION	1,128	814	1,706	2,183	2,262	4,297	3,503	3,358	3,363	3,259	2,932	2,937	31,742
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	519	374	785	1,004	1,041	1,977	1,611	1,545	1,547	1,499	1,349	1,351	14,602
	CONSUMPTIVE USE	609	440	921	1,179	1,221	2,320	1,892	1,813	1,816	1,760	1,583	1,586	17,140
FORT MOJAVE INDIAN RESERVATION AGRICULTURE - RIVER PUMPS	DIVERSION	1,799	3,961	5,884	5,243	8,731	10,783	11,716	10,043	3,834	2,683	2,335	1,104	68,116
DOMESTIC - WELLS	DIVERSION	135	95	55	78	65	120	235	288	219	165	136	91	1,682
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	890	1,866	2,732	2,448	4,046	5,015	5,497	4,752	1,864	1,310	1,137	550	32,107
	CONSUMPTIVE USE	1,044	2,190	3,207	2,873	4,750	5,888	6,454	5,579	2,189	1,538	1,334	645	37,691
GOLDEN SHORES WATER CONSERVATION DISTRICT PUMPED FROM WELLS	DIVERSION	20	25	34	37	45	54	59	57	45	37	27	26	466
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	7	8	11	12	15	18	19	19	15	12	9	9	154
	CONSUMPTIVE USE	13	17	23	25	30	36	40	38	30	25	18	17	312
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK INLET CANAL	DIVERSION	20	158	1,816	3,247	347	2,382	1,988	2,814	2,618	489	18	16	15,913
FARM DITCH	DIVERSION	0	41	1,153	1,533	1,146	1,269	1,351	926	491	167	16	0	8,093
WELL	DIVERSION	10	11	15	17	20	25	27	26	20	17	12	12	212
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	26	185	2,626	4,221	1,331	3,235	2,962	3,314	2,754	592	40	25	21,311
	CONSUMPTIVE USE	4	25	358	576	182	441	404	452	375	81	6	3	2,907
LAKE HAVASU CITY WELLS	DIVERSION	817	740	922	952	1,138	1,221	1,334	1,504	1,194	1,187	865	804	12,678
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	310	281	350	362	432	464	507	572	454	451	329	306	4,818
	CONSUMPTIVE USE	507	459	572	590	706	757	827	932	740	736	536	498	7,860

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF ARIZONA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU														
	DIVERSION	89,029	134,563	186,159	180,434	166,473	154,609	76,895	60,168	101,762	149,410	174,986	150,555	1,625,043
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	89,029	134,563	186,159	180,434	166,473	154,609	76,895	60,168	101,762	149,410	174,986	150,555	1,625,043
TOWN OF PARKER PUMPED FROM RIVER WELL	5													
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERSION	51	49	60	68	79	89	92	93	74	69	53	45	822
	MEASURED RETURNS	23	22	24	25	25	26	26	23	24	25	20	20	283
	UNMEASURED RETURNS	15	14	17	19	23	25	26	27	21	20	15	13	235
	CONSUMPTIVE USE	13	13	19	24	31	38	40	43	29	24	18	12	304
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 RIVER PUMPS AND DOMESTIC	6													
	DIVERSION	23,370	25,740	48,090	67,890	68,730	77,570	83,620	86,800	61,110	47,640	24,830	28,220	643,610
	DIVERSION	369	423	563	612	738	880	949	923	731	625	453	431	7,697
	MEASURED RETURNS	15,168	19,093	21,000	23,816	22,933	20,430	23,890	26,423	26,077	27,853	24,095	21,456	272,234
	UNMEASURED RETURNS	1,306	1,439	2,676	3,768	3,821	4,315	4,651	4,825	3,401	2,655	1,391	1,576	35,824
	CONSUMPTIVE USE	7,265	5,631	24,977	40,918	42,714	53,705	56,028	56,475	32,363	17,757	-203	5,619	343,249
EHRENBURG IMPROVEMENT ASSOCIATION PUMPED FROM RIVER														
	DIVERSION	33	28	32	35	39	42	45	52	33	38	24	27	428
	MEASURED RETURNS	2	2	3	2	3	2	3	3	2	2	2	2	28
	UNMEASURED RETURNS	9	8	9	10	11	12	13	15	9	11	7	8	122
	CONSUMPTIVE USE	22	18	20	23	25	28	29	34	22	25	15	17	278
CIBOLA VALLEY CIBOLA VALLEY I.D.D. MOHAVE COUNTY WATER AUTHORITY HOPI TRIBE ARIZONA RECREATIONAL FACILITIES ARIZONA GAME AND FISH COMMISSION														
	DIVERSION	351	911	1,502	977	1,008	1,393	772	1,113	1,021	640	540	381	10,609
	DIVERSION	0	0	564	400	415	621	833	821	239	252	103	0	4,248
	DIVERSION	0	291	43	115	772	941	1,043	867	809	18	0	0	4,899
	DIVERSION	79	226	143	142	333	445	389	194	291	186	139	127	2,694
	DIVERSION	44	215	468	577	395	349	235	496	143	82	433	60	3,497
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	135	468	775	630	833	1,068	933	995	713	336	346	162	7,394
	CONSUMPTIVE USE	339	1,175	1,945	1,581	2,090	2,681	2,339	2,496	1,790	842	869	406	18,553
CIBOLA NATIONAL WILDLIFE REFUGE 3 RIVER PUMPS														
	DIVERSION	737	659	722	1,318	1,354	1,299	1,619	1,621	1,580	785	770	796	13,260
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	280	250	274	501	515	494	615	616	600	298	293	302	5,038
	CONSUMPTIVE USE	457	409	448	817	839	805	1,004	1,005	980	487	477	494	8,222
IMPERIAL NATIONAL WILDLIFE REFUGE 4 RIVER PUMPS														
	DIVERSION	112	101	112	107	111	107	122	122	118	10	9	10	1,041
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	43	38	43	41	42	41	46	46	45	4	3	4	396
	CONSUMPTIVE USE	69	63	69	66	69	66	76	76	73	6	6	6	645
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS														
	DIVERSION	0	0	0	0	0	2	2	0	1	0	1	0	6
	DIVERSION	27	20	36	62	62	107	114	55	72	44	38	30	667
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	27	20	36	62	62	109	116	55	73	44	39	30	673
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM	7													
	DIVERSION	450	347	978	1,111	1,012	617	497	774	436	738	474	413	7,847
	MEASURED RETURNS	34	26	58	70	59	39	30	40	18	34	46	27	481
	UNMEASURED RETURNS	171	132	372	422	385	234	189	294	166	280	180	157	2,982
	CONSUMPTIVE USE	245	189	548	619	568	344	278	440	252	424	248	229	4,384
WELLTON MOHAWK IDD DIVERSION AT IMPERIAL DAM	8													
	DIVERSION	21,500	23,263	37,782	43,519	40,694	46,952	42,439	40,964	34,107	32,406	16,676	14,354	394,656
	GGMC RETURN	1,806	1,947	2,481	3,079	2,662	3,306	2,887	2,389	1,567	1,660	1,805	1,065	26,654
	DOME RETURN	720	712	422	336	143	139	243	226	408	579	633	490	5,051
	MOD RETURN	9,180	5,880	9,980	8,760	9,180	9,000	9,100	9,290	8,970	9,600	9,510	9,690	108,140
	TOTAL RETURNS	11,706	8,539	12,883	12,175	11,985	12,445	12,230	11,905	10,945	11,839	11,948	11,245	139,845
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	9,794	14,724	24,899	31,344	28,709	34,507	30,209	29,059	23,162	20,567	4,728	3,109	254,811

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF ARIZONA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1,194	995	1,190	1,309	1,591	1,654	1,647	1,729	1,445	1,353	1,080	932	16,119
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	958	941	995	651	809	786	842	776	707	810	799	877	9,951
PUMP DIVERSION FOR YUMA EAST WETLANDS	DIVERSION	9	9	34	69	90	99	101	100	69	31	9	6	626
	MEASURED RETURNS	867	788	834	746	797	768	808	807	813	820	871	874	9,793
	UNMEASURED RETURNS	3	3	12	24	32	35	35	35	24	11	3	2	219
	CONSUMPTIVE USE	1,291	1,154	1,373	1,259	1,661	1,736	1,747	1,763	1,384	1,363	1,014	939	16,684
MARINE CORPS AIR STATION YUMA														
DIVERSION AT IMPERIAL DAM	DIVERSION	89	51	67	101	131	121	141	165	136	129	93	76	1,300
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	89	51	67	101	131	121	141	165	136	129	93	76	1,300
UNION PACIFIC RAILROAD														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	2	2	2	2	2	2	2	2	2	2	2	2	24
	CONSUMPTIVE USE	2	2	2	2	2	2	2	2	2	2	2	2	24
YUMA MESA FRUIT GROWERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM	DIVERSION	39	43	84	73	100	90	85	56	89	72	81	31	843
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	39	43	84	73	100	90	85	56	89	72	81	31	843
YUMA UNION HIGH SCHOOL DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	2	3	3	9	51	7	26	52	1	13	14	19	200
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	1	1	1	2	13	2	7	13	0	3	4	5	52
	CONSUMPTIVE USE	1	2	2	7	38	5	19	39	1	10	10	14	148
YUMA MESA GRAPEFRUIT COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
DESERT LAWN MEMORIAL PARK														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	10	0	24	0	31	0	41	0	32	0	12	150
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	3	0	7	0	9	0	12	0	10	0	4	45
	CONSUMPTIVE USE	0	7	0	17	0	22	0	29	0	22	0	8	105
NORTH GILA VALLEY I.D.D														
DIVERSION AT IMPERIAL DAM	DIVERSION	2,717	2,927	4,260	4,241	5,120	4,619	5,245	3,093	3,462	4,794	3,365	2,478	46,321
	MEASURED RETURNS	2,044	1,974	2,528	2,395	2,818	2,572	2,918	2,075	2,439	3,045	2,672	1,775	29,255
	UNMEASURED RETURNS	372	401	584	581	701	633	719	424	474	657	461	339	6,346
	CONSUMPTIVE USE	301	552	1,148	1,265	1,601	1,414	1,608	594	549	1,092	232	364	10,720
YUMA IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	4,006	4,805	8,441	9,469	8,712	6,047	7,102	6,832	5,347	6,005	4,495	2,529	73,790
PUMPED FROM PRIVATE WELLS	DIVERSION	88	97	97	40	85	87	137	32	59	59	69	92	942
	MEASURED RETURNS	1,184	1,417	2,170	2,463	2,260	1,639	1,908	1,919	1,312	1,535	1,444	764	20,015
	UNMEASURED RETURNS	872	1,044	1,819	2,025	1,874	1,307	1,542	1,462	1,151	1,292	972	558	15,918
	CONSUMPTIVE USE	2,038	2,441	4,549	5,021	4,663	3,188	3,789	3,483	2,943	3,237	2,148	1,299	38,799
YUMA MESA I. D. D.														
DIVERSION AT IMPERIAL DAM	DIVERSION	7,915	8,646	14,481	16,816	20,292	23,300	23,443	25,133	18,039	13,466	7,362	7,774	186,667
	MEASURED RETURNS	3,773	4,638	6,556	5,512	5,284	8,045	9,158	8,257	4,198	2,073	1,069	1,331	59,894
	UNMEASURED RETURNS	1,266	1,383	2,317	2,691	3,247	3,728	3,751	4,021	2,886	2,155	1,178	1,244	29,867
	CONSUMPTIVE USE	2,876	2,625	5,608	8,613	11,761	11,527	10,534	12,855	10,955	9,238	5,115	5,199	96,906

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF ARIZONA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
UNIT "B" IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM		1,187	1,172	1,997	2,470	3,220	3,372	3,126	3,636	2,657	2,680	1,915	1,215	28,647
	DIVERSION	1,187	1,172	1,997	2,470	3,220	3,372	3,126	3,636	2,657	2,680	1,915	1,215	28,647
	MEASURED RETURNS	642	779	1,108	926	901	1,350	1,524	1,394	708	387	277	219	10,215
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	545	393	889	1,544	2,319	2,022	1,602	2,242	1,949	2,293	1,638	996	18,432
FORT YUMA INDIAN RESERVATION														
DIVERSIONS FOR YUMA EAST WETLANDS		24	23	55	99	135	149	152	140	90	53	22	17	959
RANCH "5" LANDS, YUMA ISLAND, AZ (180 ac)		7	8	12	13	15	19	20	19	15	13	9	9	159
DOMESTIC		3	2	2	3	3	3	4	2	2	2	2	2	30
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	11	11	23	39	53	59	60	56	37	23	11	9	391
	CONSUMPTIVE USE	23	22	46	76	101	112	116	105	70	45	22	19	757
YUMA COUNTY WATER USERS' ASSOCIATION														
DIVERSION AT IMPERIAL DAM		20,784	19,983	40,171	43,959	40,407	26,312	46,213	22,492	25,767	39,379	25,474	15,576	366,517
PUMPED FROM WELLS		113	99	110	62	68	160	69	108	0	152	165	153	1,259
	MEASURED RETURNS	9,227	7,446	9,172	9,893	10,592	7,805	8,525	7,276	10,248	13,281	13,056	10,979	117,500
	UNMEASURED RETURNS	439	422	846	924	850	556	972	475	541	830	538	330	7,723
	CONSUMPTIVE USE	11,231	12,214	30,263	33,204	29,033	18,111	36,785	14,849	14,978	25,420	12,045	4,420	242,553
COCOPA INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM		106	0	639	777	945	1,172	1,143	1,115	1,145	1,058	520	470	9,090
PUMPED FROM WELLS	12	129	160	220	237	290	357	384	372	289	246	175	174	3,033
	MEASURED RETURNS	2	1	11	10	21	26	24	44	40	39	17	16	251
	UNMEASURED RETURNS	80	54	292	345	420	520	519	506	488	443	236	219	4,122
	CONSUMPTIVE USE	153	105	556	659	794	983	984	937	906	822	442	409	7,750
RECLAMATION - YUMA AREA OFFICE														
WELL		62	56	67	17	32	42	11	11	4	2	8	11	323
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	62	56	67	17	32	42	11	11	4	2	8	11	323
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	13	4,006	2,955	5,169	2,257	1,723	1,343	5,418	6,010	2,141	179	173	178	31,552
	MEASURED RETURNS	4,006	2,955	5,169	2,257	1,723	1,343	5,418	6,010	2,141	179	173	178	31,552
	UNMEASURED RETURNS	-4,006	-2,955	-5,169	-2,257	-1,723	-1,343	-5,418	-6,010	-2,141	-179	-173	-178	-31,552
	RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO														
RIVER AND WELLS IN FLOOD PLAIN DAVIS	14	1,092	1,122	1,992	2,222	2,731	2,989	2,998	2,973	2,074	1,968	1,463	1,330	24,954
DAM TO INTERNATIONAL BOUNDARY		0	0	0	0	0	0	0	0	0	0	0	0	0
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	392	401	699	783	866	1,059	1,061	1,055	734	692	516	468	8,726
	CONSUMPTIVE USE	700	721	1,293	1,439	1,865	1,930	1,937	1,918	1,340	1,276	947	862	16,228
ARIZONA TOTALS														
	DIVERSION	181,347	234,510	364,565	394,174	381,749	378,598	324,013	284,161	276,833	314,194	273,787	234,999	3,642,930
	MEASURED RETURNS	48,706	47,681	61,518	60,292	59,407	56,493	66,490	66,180	58,969	61,115	55,693	48,889	691,433
	UNMEASURED RETURNS	3,371	6,048	12,356	18,877	19,132	23,784	20,706	19,456	16,143	13,704	9,102	7,711	170,389
	CONSUMPTIVE USE	129,270	180,781	290,691	315,005	303,211	298,321	236,817	198,525	201,721	239,375	208,992	178,399	2,781,108

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less unmeasured return flow to the river.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF ARIZONA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
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1. Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
2. Diversion amounts include deliveries to the Fort Mojave Indian Reservation from the City of Needles, CA.
3. Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
4. Havasu NWR diversion amounts have been adjusted downward for diversions out of the Topock Marsh inlet canal by Mohave Valley Irrigation and Drainage District and Fort Mojave Indian Reservation and have taken into account the Fire Break canal and inflows through the Topock Marsh outlet structure.
5. The Town of Parker diversion amounts have been adjusted downward for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
6. Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
7. Use for lands leased from ASLD by Gila Monster Farms has been deducted.
8. Main Outlet Drain return flow credit is measured flow at Station 0+00. For those comparing this return value to the "Water Bypassed Pursuant to Minute 242 of the IBWC", differences can result from a combination of transmission loss, DPOC and Yuma Mesa Conduit discharge into the MODE, MODE water that has been desalinated, and MODE water discharged to the river during the Yuma Desalting Plant Pilot Run. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.
9. Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation and Drainage District, the Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District is as follows:

<u>Item</u>	<u>Annual Totals</u>
Diversions at Imperial Dam ^A	306,778
Pumped from wells	942
Surface returns from South Gila Valley (South Gila Canal Terminal Wasteway)	3,005
Return flow North Gila Valley (6 drains and wasteways)	9,766
Total Yuma Mesa Division Unmeasured Returns	52,131
Return flow Yuma Mesa Outlet Drain ^B	18,394
Return flow protective and regulatory pumping unit ^C	24,815
Estimated unmeasured groundwater return flow ^D	27,933
Return flow share of Gila Main Canal loss ^E	25,252
Subtotal return flow	161,295
Consumptive Use (see note above)	146,425

^A Total diversions at Imperial Dam for the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and Yuma Mesa Irrigation and Drainage District.

^B Estimated at 85 percent of the Yuma Mesa Outlet Drain with the balance credited to 'Unit B'.

^C Estimated at 85 percent of Protective and Regulatory Pumping Unit with the balance credited to 'Unit B'.

^D Estimated at 38 percent of the North Gila Valley I.D.D. diversion at Imperial Dam plus 14 percent of Yuma Irrigation District's diversion at Imperial Dam. This calculation is based on an analysis of the USGS Report 83-4220.

^E Diversion times a mileage weighted share of Gila Main Canal loss, less canal surface evaporation (1397 af/yr), and phreatophytes (2154 af/yr).

10. Diversion values have been reduced for those users (Ogram Boys' Enterprises, G Ogram, and ASLD) who take deliveries outside District boundaries. Those diversions appear in the Arizona Supplemental section.
11. Diversion and return values include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation; others are pumped to control groundwater elevation.
12. Diversion amounts include pumpage from AEW-15, 16 and the Cocopah Bend R.V. Park. The diversions reported on this line include deliveries to the Cocopah Tribe's Trust and Fee lands.
13. Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
14. Details may be found in the Arizona Supplemental Tabulation pages.

ARIZONA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2011
 STATE OF ARIZONA

WATER USER	5/15/12		(Values in acre-feet)												
	Ftnts	USGS # ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company			1	1	1	1	1	2	2	2	1	1	1	0	14
SUBTOTAL, LEE FERRY TO DAVIS DAM	2		1	1	1	1	1	2	2	2	1	1	1	0	14
		DIVERSION	1	1	1	1	1	2	2	2	1	1	1	0	14
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	0	0	0	0	1	1	1	1	1	0	0	0	5
		CONSUMPTIVE USE	1	1	1	1	0	1	1	1	0	1	1	0	9
Maurice McAlister (river Intake)			0	0	1	1	1	1	1	1	1	1	1	1	10
Crystal Beach Water Conservation District			7	7	8	9	10	10	11	10	9	8	8	7	104
Arizona-American Water Company			58	58	57	69	68	69	79	69	92	86	67	52	824
Arizona State Parks (Windsor Beach)			2	2	1	1	3	4	3	3	2	3	2	2	28
SUBTOTALS, DAVIS DAM TO PARKER DAM	2		67	67	67	80	82	84	94	83	104	98	78	62	966
		DIVERSION	67	67	67	80	82	84	94	83	104	98	78	62	966
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	23	23	23	27	29	30	34	30	36	34	28	21	338
		CONSUMPTIVE USE	44	44	44	53	53	54	60	53	68	64	50	41	628
Hillcrest Water Company			1	1	1	1	1	2	2	2	1	1	1	1	15
Springs Del Sol Domestic Water Improvement District			0	0	0	0	0	0	1	1	1	0	0	0	3
Rayner Ranches (Jack Rayner Jr.)		AEP-9	187	234	319	345	421	511	557	536	422	353	251	247	4,383
Arizona State Land Department (domestic)			2	2	1	1	2	3	3	3	4	2	1	1	25
Arizona State Land Department (agricultural)		ADP-6	21	31	201	174	315	383	421	342	148	85	38	0	2,159
North Baja Pipeline (aka TransCanada)			15	24	23	15	25	42	38	28	18	15	23	22	288
BLM Permittees (LHFO & YFO)			62	51	71	75	77	79	87	77	67	103	57	79	885
Fisher's Landing Water and Sewer LLC			3	2	2	2	2	3	3	3	3	3	2	3	31
Shepard Water Company			2	1	2	3	3	3	3	3	2	2	2	2	28
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	2		293	346	620	616	846	1,026	1,115	995	666	564	375	355	7,817
		DIVERSION	293	346	620	616	846	1,026	1,115	995	666	564	375	355	7,817
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	102	122	217	216	196	360	390	349	232	199	130	124	2,637
		CONSUMPTIVE USE	191	224	403	400	650	666	725	646	434	365	245	231	5,180
JRJ Partners LLC (aka Bard Date Gardens)		AEP-1, AEW-3	54	29	98	122	117	71	120	114	34	102	109	102	1,072
Befra Farming LLC. (formerly Cha Cha)	3	AEP-2/3, AEW-4/5, ADW-3	5	15	136	104	215	222	218	201	194	60	114	34	1,518
Russell Youmans (Beattie Farms Southwest)	3	ADW-2	67	83	114	123	150	182	199	191	150	126	90	88	1,563
BLM Permittees (YFO)			0	0	0	1	4	1	49	27	5	2	3	0	92
L. Pratt	3		16	19	27	29	35	43	47	45	35	29	21	21	367
George Ogram	3,4	AEW-9	4	18	32	33	94	42	75	80	24	41	22	10	475
Ogram Boys' Enterprises	3,4		20	30	55	97	143	182	131	84	59	48	48	22	919
John Peach	3	AEW-12	18	22	30	32	40	48	52	50	40	33	24	23	412
Arizona Public Service Company. (Yucca Power Plant)	3		83	71	13	46	54	61	81	77	28	5	12	8	539
Amigo Farms	3	AEW-14, ADP-1	8	11	14	15	19	23	25	24	19	16	11	11	196
Armon Curtis (formerly Curry Family Limited)	3	AEP-4, ADP-2	5	6	9	9	11	14	15	14	11	10	7	7	118
Pete Power	3	ADP-3/4	19	23	32	35	42	51	56	54	42	35	25	25	439
Gary Pasquinnelli	4	ADP-5	16	20	30	26	8	26	13	20	45	31	17	12	264
Arizona State Land Department (agricultural)			416	361	714	853	870	911	706	912	617	767	506	550	8,183
SUBTOTALS, BELOW IMPERIAL DAM	2		731	708	1,304	1,525	1,802	1,877	1,787	1,893	1,303	1,305	1,009	913	16,157
		DIVERSION	731	708	1,304	1,525	1,802	1,877	1,787	1,893	1,303	1,305	1,009	913	16,157
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	267	256	459	540	640	668	636	675	465	459	358	323	5,746
		CONSUMPTIVE USE	464	452	845	985	1,162	1,209	1,151	1,218	838	846	651	590	10,411
TOTAL ARIZONA SUPPLEMENTAL TABULATION	2		1,092	1,122	1,992	2,222	2,731	2,989	2,998	2,973	2,074	1,968	1,463	1,330	24,954
		DIVERSION	1,092	1,122	1,992	2,222	2,731	2,989	2,998	2,973	2,074	1,968	1,463	1,330	24,954
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	392	401	699	783	866	1,059	1,061	1,055	734	692	516	468	8,726
		CONSUMPTIVE USE	700	721	1,293	1,439	1,865	1,930	1,937	1,918	1,340	1,276	947	862	16,228

Foot notes:

1. References such as AEW/ADP/AEP are defined on page 1, Acronyms and Abbreviated Terms.
2. Monthly and annual totals rounded and displayed to the nearest whole number.
3. Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.
4. George Ogram, Ogram Boys' Enterprises, and some ASLD lands have water delivered (wheeled) to them by YID from the GGMC. A proportionate share of the loss associated with the GGMC has been assessed.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF CALIFORNIA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
FORT MOJAVE INDIAN RESERVATION															
AGRICULTURAL - RIVER PUMPS	2	DIVERSION	437	936	2,306	1,588	1,975	1,636	1,278	1,972	580	487	1,202	365	14,762
DOMESTIC - WELLS	2	DIVERSION	2	2	4	5	8	8	6	8	5	6	5	5	64
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	203	433	1,067	736	916	760	593	915	270	228	558	171	6,850
		CONSUMPTIVE USE	236	505	1,243	857	1,067	884	691	1,065	315	265	649	199	7,976
CITY OF NEEDLES															
WELLS	3	DIVERSION	137	92	126	144	200	214	224	241	164	160	150	123	1,975
		MEASURED RETURNS	46	41	45	47	38	28	27	29	25	26	24	25	401
		UNMEASURED RETURNS	21	19	21	22	18	13	13	13	12	12	11	12	187
		CONSUMPTIVE USE	70	32	60	75	144	173	184	199	127	122	115	86	1,387
CHEMEHUEVI INDIAN RESERVATION															
PUMPED FROM RIVER AND WELLS		DIVERSION	10	11	10	10	12	17	17	20	21	18	17	11	174
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	5	5	5	5	6	8	8	9	10	8	8	5	82
		CONSUMPTIVE USE	5	6	5	5	6	9	9	11	11	10	9	6	92
METROPOLITAN WATER DISTRICT															
DIVERSION FROM LAKE HAVASU		DIVERSION	40,138	17,523	54,757	55,355	64,490	74,175	77,208	70,178	64,351	6,673	5,401	11,752	542,001
EXCHANGE WITH THE SDCWA	4	DIVERSION	11,846	5,172	16,161	16,337	19,034	21,892	22,787	20,712	18,992	1,970	1,594	3,468	159,965
		MEASURED RETURNS	236	251	230	230	223	191	259	259	262	266	273	296	2,976
		UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	51,748	22,444	70,688	71,462	83,301	95,876	99,736	90,631	83,081	8,377	6,722	14,924	698,990
PARKER DAM AND GOVERNMENT CAMP															
DIVERSION AT PARKER DAM	3	DIVERSION	6	6	7	8	8	10	12	10	2	6	0	5	80
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	6	6	7	8	8	10	12	10	2	6	0	5	80
COLORADO RIVER INDIAN RESERVATION															
RIVER PUMPS AND WELLS		DIVERSION	201	251	344	371	453	550	600	577	454	380	270	266	4,717
BIG RIVER - WELLS		DIVERSION	38	35	42	50	60	75	77	77	64	61	41	33	653
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	100	119	161	175	214	261	282	273	216	184	130	125	2,240
		CONSUMPTIVE USE	139	167	225	246	299	364	395	381	302	257	181	174	3,130
CITY OF WINTERHAVEN															
1 WELL	5	DIVERSION	9	8	9	8	8	10	10	9	8	9	9	7	104
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	3	3	3	3	3	3	3	3	3	3	3	2	35
		CONSUMPTIVE USE	6	5	6	5	5	7	7	6	5	6	6	5	69
PALO VERDE IRRIGATION DISTRICT															
DIVERSION AT PALO VERDE DAM		DIVERSION	31,720	41,540	60,520	73,620	87,720	95,740	93,440	105,100	87,610	60,120	38,390	34,740	810,260
		MEASURED RETURNS	28,461	28,285	31,714	34,532	42,048	42,518	41,217	42,721	42,011	40,428	35,828	35,035	444,798
		UNMEASURED RETURNS	1,776	2,326	3,389	4,123	4,912	5,361	5,233	5,886	4,906	3,367	2,150	1,945	45,374
		CONSUMPTIVE USE	1,483	10,929	25,417	34,965	40,760	47,861	46,990	56,493	40,693	16,325	412	-2,240	320,088
YUMA PROJECT RESERVATION DIVISION, INDIAN UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	2,339	1,752	5,991	6,536	5,432	1,635	3,909	5,123	1,595	4,416	3,024	2,495	44,247
DOMESTIC	6	DIVERSION	34	42	58	63	76	93	101	97	77	64	45	45	795
		MEASURED RETURNS	32	5	92	70	102	32	74	153	51	137	90	61	899
		UNMEASURED RETURNS	396	300	1,010	1,102	920	289	670	872	279	748	513	424	7,523
YUMA PROJECT RESERVATION DIVISION, BARD UNIT															
DIVERSION AT IMPERIAL DAM		DIVERSION	2,606	2,077	5,969	6,510	6,154	3,579	3,426	4,928	4,512	4,878	3,448	1,465	49,552
		MEASURED RETURNS	19	3	50	39	62	37	36	89	71	86	52	23	567
		UNMEASURED RETURNS	435	347	997	1,087	1,028	598	572	823	754	815	576	245	8,277
RETURNS FROM YUMA PROJECT															
RESERVATION DIVISION	7	MEASURED RETURNS	1,340	1,224	1,883	2,670	2,812	2,167	2,824	3,134	2,690	2,402	2,609	2,544	28,299
SUM, YUMA PROJECTS, RESERVATION DIVISION USE		CONSUMPTIVE USE	2,757	1,992	7,986	8,141	6,738	2,184	3,260	5,077	2,339	5,170	2,677	708	49,029

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF CALIFORNIA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
IMPERIAL IRRIGATION DISTRICT															
DIVERSION AT IMPERIAL DAM		DIVERSION	148,868	131,536	271,913	317,419	317,743	305,923	333,956	303,172	243,663	240,458	159,160	125,542	2,899,353
		MEASURED RETURNS	3,359	664	6,742	5,463	9,540	9,498	9,701	16,320	11,714	12,175	7,303	5,730	98,209
		UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERY FROM WARREN H. BROCK RESERVOIR	8	CONSUMPTIVE USE	0	4,106	15,495	12,214	12,659	1,388	11,421	12,698	16,761	13,226	10,499	4,173	114,640
IID TOTAL CONSUMPTIVE USE		CONSUMPTIVE USE	145,509	134,978	280,666	324,170	320,862	297,813	335,676	299,550	248,710	241,509	162,356	123,985	2,915,784
WATER TRANSFERRED TO SDCWA FOR MITIGATION	9	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CA CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
COACHELLA VALLEY WATER DISTRICT															
DIVERSION AT IMPERIAL DAM		DIVERSION	16,356	17,641	23,358	27,842	32,108	33,318	34,096	36,940	29,634	27,853	23,616	17,811	320,573
		MEASURED RETURNS	369	89	579	479	964	1,034	990	1,989	1,425	1,410	1,084	813	11,225
		UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		CONSUMPTIVE USE	15,987	17,552	22,779	27,363	31,144	32,284	33,106	34,951	28,209	26,443	22,532	16,998	309,348
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN	10	DIVERSION	523	643	871	949	1,145	1,390	1,551	1,477	1,157	964	718	677	12,065
DAVIS DAM TO INTERNATIONAL BOUNDARY		MEASURED RETURNS	9	11	15	16	19	24	26	25	19	16	12	11	203
		UNMEASURED RETURNS	221	274	375	409	492	599	665	635	497	412	307	288	5,174
		CONSUMPTIVE USE	293	358	481	524	634	767	860	817	641	536	399	378	6,688
CALIFORNIA TOTALS		DIVERSION	255,270	219,267	442,446	506,815	536,626	540,265	572,698	550,641	452,889	348,523	237,090	198,810	4,861,340
		MEASURED RETURNS	33,871	30,573	41,350	43,546	55,808	55,529	55,154	64,719	58,268	56,946	47,275	44,538	587,577
		UNMEASURED RETURNS	3,160	3,826	7,028	7,662	8,509	7,892	8,039	9,429	6,947	5,777	4,256	3,217	75,742
		CONSUMPTIVE USE	218,239	188,974	409,563	467,821	484,968	478,232	520,926	489,191	404,435	299,026	196,058	155,228	4,312,661

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less unmeasured return flow to the river.

Footnotes:

1. Due to rounding to the nearest acre-foot, totals may differ from the sum of the monthly values.
2. Diversion amounts include any deliveries to the Fort Mojave Indian Reservation by the City of Needles. Diversion values listed as pumped from river and wells are provided by the Fort Mojave Indian Tribe and Reclamation.
3. All or a portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.
4. Water conserved by IID and transferred to SDCWA, in accordance with the CRWDA and the IID/SDCWA Water Transfer Agreement and water allocated to SDCWA as a result of the CCLP and AACLP pursuant to Article 10 of the October 10, 2003 Allocation Agreement. At SDCWA's election, the water was delivered by the Secretary to Lake Havasu under Article 4(c) of the CRWDA and there made available by SDCWA to MWD under the terms of the SDCWA/MWD Exchange Agreement. The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. IID informed Reclamation that: in 2011, IID entered into following contracts for 80,000 af, to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011; in 2011 IID conserved 63,278 acre-feet under the following contracts to support the IID-SDCWA transfer; in 2012 IID will conserve an additional 16,722 acre-feet of water under the 2011/2012 following contracts to support the full 80,000 af IID-SDCWA transfer obligation for 2011. The appropriate accounting for the 2011 IID-SDCWA transfer is under review by Reclamation and will be reflected in a future Colorado River Accounting and Water Use Report.
5. Reported as an annual total only then distributed monthly according to the monthly use patterns of nearby users.
6. These values represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the Reservation.
7. Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.
8. Colorado River water captured in the Warren H. Brock Reservoir and delivered to IID as consumptive use. Flow measurement is made at the Brock Reservoir outlet channel station 21+36.
9. IID conserved 33,736 acre-feet of Colorado River water in 2010 which was transferred to SDCWA and exchanged with CVWD for non-Colorado River water to meet Salton Sea mitigation requirements for 2010. Also, in 2010, IID delivered 46,546 acre-feet of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. The appropriate accounting for the 46,546 acre-feet is under review by Reclamation and is the subject of Reclamation letters dated October 14, 2010, December 15, 2010, June 29, 2011, and October 11, 2011, which have been included on the CD enclosed with this Colorado River Accounting and Water Use Report for 2011. The final accounting for the 46,546 acre-feet will be reflected in a future Colorado River Accounting and Water Use Report.
10. Details can be found on the California Supplemental page.

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2011
 STATE OF CALIFORNIA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	USGS# ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
De Soto Ranch	2	CEW-17	0	0	0	0	0	0	0	0	0	0	0	0	0
De Soto Ranch	2	CEW-18	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern California Gas	3	CEW-21	3	4	5	5	6	8	9	8	7	5	4	4	68
Pacific Gas & Electric Company	3		9	11	15	16	20	24	26	25	20	17	12	12	207
Havasu Water Company	3	Needles report	3	3	4	5	6	7	8	7	6	5	3	3	60
Vista Del Lago	3	Needles report	1	1	1	1	1	2	2	2	2	2	1	1	17
Wells reported under non-Federal subcontracts to LCWSP	3	Needles report	13	16	22	23	28	35	37	36	28	24	17	17	296
SUBTOTALS, DAVIS DAM TO PARKER DAM	4	DIVERSION	29	35	47	50	61	76	82	78	63	53	37	37	648
	5	MEASURED RETURNS	9	11	15	16	19	24	26	25	19	16	12	11	203
		UNMEASURED RETURNS	7	8	12	12	14	18	19	18	15	13	8	8	152
		CONSUMPTIVE USE	13	16	20	22	28	34	37	35	29	24	17	18	293
Wetmore, Kenneth C.			0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.			0	0	0	0	0	0	1	0	0	0	0	0	1
Carney, Jerome D.			0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.			0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch (C.L. Lye)	2	CEW-16	0	0	0	0	0	0	0	0	0	0	0	0	0
BLM Permitees (LHFO & YFO)	3.6		27	22	24	34	27	30	67	55	34	26	51	23	420
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	4	DIVERSION	27	22	25	35	29	32	71	57	36	27	52	23	436
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	6	5	6	9	7	8	18	16	11	6	17	5	114
		CONSUMPTIVE USE	21	17	19	26	22	24	53	41	25	21	35	18	322
FORT YUMA INDIAN RESERVATION - CA															
Living Earth Farm	2	CEW-2, CDP-3	32	40	54	59	72	87	95	91	72	60	43	42	747
MivCo Packing	2	CEW-14	43	54	74	80	97	118	129	124	98	82	58	57	1,014
Valdez, Mike	2	CDP-1,2, CEW-01, CEW-15	57	71	97	104	127	155	169	162	128	107	76	75	1,328
Ranch "5" Lands, Yuma Island, CA (351 ac)	7	AAC diversion	40	50	68	74	90	110	120	115	91	76	54	53	941
Huerta Packing	2	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON FYIR, CALIFORNIA	4	DIVERSION	172	215	293	317	386	470	513	492	389	325	231	227	4,030
SUM OF UNMEASURED RETURNS, FYIR, CALIFORNIA		UNMEASURED RETURNS	76	96	131	142	173	210	231	221	173	145	103	101	1,802
YUMA ISLAND - CALIFORNIA															
Arizona State Land Department Lessees:															
Curtis Family Trust	2	AEP-02, AEP-03, AEW-04, AEW-05, ADW-03	6	8	11	12	15	18	19	19	15	12	9	8	152
Martin Family Trust	2	CEP-01,02, CDW-07	13	17	23	25	30	37	40	38	30	25	18	18	314
Billy Turner	2	CDW-5, CEW-7	3	4	5	5	6	8	9	8	6	5	4	4	67
Leroy Heile	2	CDW-8 (CEW-12)	95	119	163	175	215	260	284	273	215	180	128	126	2,233
James Wilson	2	CEW-11	13	16	22	24	29	36	39	37	29	25	17	17	304
Griffin Produce Company	2	CDW-2	19	24	33	36	43	53	57	55	43	36	26	25	450
Perez Family Trust	2	CEW-9	18	23	31	34	42	50	55	53	42	35	25	24	432
Clifford Winton Jr.	2,8	CEW-13	0	0	0	0	0	0	0	0	0	0	0	0	0
Clara Jean Wilson	2,8		2	3	4	4	5	6	7	7	5	4	3	3	53
Lou Ella Harp	2,8		0	0	0	0	0	0	0	0	0	0	0	0	0
Robert E. Harp	2,8		36	45	61	66	81	98	106	103	81	68	48	47	840
K.H. Easterday	2		29	36	50	54	66	80	87	83	66	55	39	38	683
Richard Lee Wilson	2		3	4	5	6	7	9	10	9	7	6	4	4	74
Dees, Alex	2		48	60	82	88	108	131	143	137	108	91	64	63	1,123
Mike Palmer (L.O. Power)	2		10	12	16	18	22	26	29	28	22	17	13	13	226
SUM OF PUMPING ON THE YUMA ISLAND, CALIFORNIA	4	DIVERSION	295	371	506	547	669	812	885	850	669	559	398	390	6,951
SUM OF UNMEASURED RETURNS, YUMA ISLAND - CALIFORNIA		UNMEASURED RETURNS	132	165	226	246	298	363	397	380	298	248	179	174	3,106
SUBTOTALS, ALL USES BELOW IMPERIAL DAM		DIVERSION	467	586	799	864	1,055	1,282	1,398	1,342	1,058	884	629	617	10,981
		MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
		UNMEASURED RETURNS	208	261	357	388	471	573	628	601	471	393	282	275	4,908
		CONSUMPTIVE USE	259	325	442	476	584	709	770	741	587	491	347	342	6,073
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION															
		DIVERSION	523	643	871	949	1,145	1,390	1,551	1,477	1,157	964	718	677	12,065
		MEASURED RETURNS	9	11	15	16	19	24	26	25	19	16	12	11	203
		UNMEASURED RETURNS	221	274	375	409	492	599	665	635	497	412	307	288	5,174
		CONSUMPTIVE USE	293	358	481	524	634	767	860	817	641	536	399	378	6,688

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2011
 STATE OF CALIFORNIA

5/15/12

(Values in acre-feet)

WATER USER	Fmts	USGS# ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Footnotes:

1. References such as CDW/CDP/CEP are defined on page 1, Acronyms and Abbreviated Terms.
2. Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.
3. Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.
4. Monthly and annual totals rounded to the nearest whole number.
5. This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.
6. At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA. Some BLM lessees have very limited returns due to evaporation ponds and low application rates.
7. Surface water diversions from the AAC through Bard Water District. Diversion calculated by prorating total measured delivery by irrigated acreage in each state.
8. Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated using the methodology mentioned in footnote 2 above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF NEVADA

5/15/12

(Values in acre-feet)

WATER USER	Ftnts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM														
	DIVERSION	4	4	4	5	4	3	3	3	3	3	2	2	40
	MEASURED RETURNS	3	2	2	3	2	2	3	3	2	2	2	2	28
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	2	2	2	2	1	0	0	1	1	0	0	12
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD		26,918	25,321	31,346	34,042	39,915	38,084	42,041	43,137	34,869	36,486	28,741	25,491	406,391
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD														
	DIVERSION	26	25	29	38	41	43	52	44	41	36	29	27	431
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	26	25	29	38	41	43	52	44	41	36	29	27	431
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)														
	DIVERSION	13	10	13	12	16	21	18	16	25	19	13	13	189
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	13	10	13	12	16	21	18	16	25	19	13	13	189
BASIC WATER COMPANY														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
	DIVERSION	425	407	423	507	462	560	474	500	541	412	435	439	5,585
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	425	407	423	507	462	560	474	500	541	412	435	439	5,585
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
	DIVERSION	981	913	1,428	1,654	1,672	1,673	1,251	1,230	1,292	1,297	1,291	1,112	15,794
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	981	913	1,428	1,654	1,672	1,673	1,251	1,230	1,292	1,297	1,291	1,112	15,794
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
	DIVERSION	26	23	26	25	20	15	15	12	13	16	17	12	220
	MEASURED RETURNS	25	22	25	24	19	14	14	11	12	15	16	11	208
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD														
	DIVERSION	37	35	51	42	49	52	53	66	57	52	57	56	607
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	37	35	51	42	49	52	53	66	57	52	57	56	607
SOUTHERN CALIFORNIA EDISON (SNWA)														
WELL														
	DIVERSION	13	11	10	24	15	15	9	0	0	0	0	0	97
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	13	11	10	24	15	15	9	0	0	0	0	0	97
BIG BEND WATER DISTRICT														
	DIVERSION	308	275	323	341	373	408	461	459	389	377	341	284	4,339
	MEASURED RETURNS	161	147	181	177	185	179	218	202	177	172	158	139	2,096
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	147	128	142	164	188	229	243	257	212	205	183	145	2,243
BIG BEND CONSERVATION AREA														
	DIVERSION	0	0	0	0	0	0	1	0	1	0	1	1	4
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	1	0	1	0	1	1	4
FORT MOJAVE INDIAN RESERVATION														
2 WELLS	2													
	DIVERSION	84	262	359	158	566	906	982	670	114	249	229	159	4,738
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	28	86	118	52	187	299	324	221	38	82	76	52	1,563
	CONSUMPTIVE USE	56	176	241	106	379	607	658	449	76	167	153	107	3,175
LAS VEGAS WASH RETURN FLOWS	3													
	RETURNS	19,139	18,086	18,776	16,015	16,685	15,527	17,588	17,001	18,576	18,165	17,617	18,518	211,693

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2011
STATE OF NEVADA

5/15/12

(Values in acre-feet)

WATER USER	Ftrts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
NEVADA TOTALS														
	DIVERSION	28,835	27,286	34,012	36,848	43,133	41,780	45,360	46,137	37,345	38,947	31,156	27,596	438,435
	MEASURED RETURNS	19,328	18,257	18,984	16,219	16,891	15,722	17,823	17,217	18,767	18,354	17,793	18,670	214,025
	UNMEASURED RETURNS	28	86	118	52	187	299	324	221	38	82	76	52	1,563
	CONSUMPTIVE USE	9,479	8,943	14,910	20,577	26,055	25,759	27,213	28,699	18,540	20,511	13,287	8,874	222,847
GROUNDWATER INJECTED STORAGE														
	4													
LAS VEGAS VALLEY WATER DISTRICT	INJECTED	1,946	1,346	0	0	0	0	0	0	0	0	0	0	3,292
	WITHDRAWN	0	0	0	0	0	0	0	0	164	187	113	67	531
CITY OF NORTH LAS VEGAS	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less unmeasured return flow to the river.

Footnotes:

1. Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
2. Diversions were fully measured and reported by Reclamation.
3. Estimated return based on historic use method adopted by the Task Force on Unmeasured Return Flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated December 12, 2007.

4. Nevada Injected Storage Balance:	4.1	Beginning of Year Cumulative Injected Storage	358,934
		Plus Current Year Additions	3,292
		Minus Current Year Withdrawals	531
		End of Year Cumulative Injected Storage	<u>361,695</u>

4.1 Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
*ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)***

The following tabulations for calendar year 2011 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was computed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those that divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

The "Delivered to Mexico in Excess of Treaty" values displayed in this section of the report reflect only the water over delivered to Mexico, according to IBWC's schedule, resulting from water that had been ordered but not diverted. The "To Mexico in Excess of Treaty" values displayed in the Article V (D) section reflect all water under/over delivered to Mexico according to IBWC's schedule. No comparison between the two sections should be made.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2011
 STATE OF ARIZONA

WATER USER	5/15/12												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(Values in acre-feet)													
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	2,888	4,165	5,540	401	1,551	679	76	1,589	3,447	701	666	2,310	24,013
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	2,888	4,165	5,540	401	1,551	679	76	1,589	3,447	701	666	2,310	24,013
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COLORADO RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK													
ORDERED BUT NOT DIVERTED	6,911	1,252	3,047	24,337	1,870	770	992	595	2,457	2,007	1,595	1,811	47,644
DELIVERED TO MEXICO IN	1,869	615	1,410	12,778	259	76	115	75	1,038	831	769	675	20,512
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	950	243	1,026	8,644	1,350	532	565	473	840	748	574	492	16,436
DELIVERED TO STORAGE ¹	2,946	65	425	2,589	226	162	293	35	509	260	198	557	8,265
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	1,146	328	185	327	35	0	18	12	71	168	54	86	2,430
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	1,416	489	260	268	521	503	862	783	612	897	1,127	870	8,606
DELIVERED TO MEXICO IN	344	149	65	41	97	60	152	55	161	217	538	193	2,071
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	613	162	170	156	359	330	548	556	220	492	277	263	4,146
DELIVERED TO STORAGE ¹	254	86	3	41	48	111	143	148	202	117	243	233	1,631
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	205	92	22	29	16	1	19	24	29	70	68	181	758
GILA MONSTER FARMS, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	589	835	670	270	328	420	260	426	695	467	621	832	6,414
DELIVERED TO MEXICO IN	104	263	294	57	61	37	62	50	263	119	311	181	1,800
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	278	388	286	171	220	317	158	324	269	246	171	302	3,129
DELIVERED TO STORAGE ¹	85	70	56	7	36	67	35	43	126	68	109	248	950
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	123	115	33	35	12	0	5	9	37	34	31	101	535
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	1,194	4,174	3,087	1,942	4,052	724	4,442	1,891	3,218	2,372	8,000	6,429	41,526
DELIVERED TO MEXICO IN	723	2,249	1,258	351	751	45	2,208	246	1,119	250	3,951	1,302	14,453
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	181	378	1,258	898	2,568	367	1,377	1,027	1,597	1,603	2,367	2,332	15,953
DELIVERED TO STORAGE ¹	192	643	294	45	574	312	855	516	405	473	1,476	1,463	7,246
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	99	905	277	648	160	0	3	102	97	46	205	1,333	3,874

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2011
 STATE OF ARIZONA

WATER USER	5/15/12												(Values in acre-feet)
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	238	233	137	85	306	262	275	237	248	258	307	82	2,670
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	44	99	74	18	123	28	97	39	15	70	132	8	747
DIVERTED BY OTHERS	61	25	22	49	150	194	173	141	119	73	95	13	1,113
DELIVERED TO STORAGE ¹	39	38	12	14	20	39	0	47	87	101	74	11	483
DELIVERED TO MEXICO IN EXCESS OF TREATY	93	71	29	4	13	1	5	10	28	15	6	50	327
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,641	2,014	4,948	2,186	1,613	1,709	2,644	2,484	3,693	3,958	5,533	3,224	37,647
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1,242	953	2,448	994	192	165	672	301	1,492	1,445	3,282	627	13,814
DIVERTED BY OTHERS	1,078	524	2,282	960	1,257	1,231	1,455	1,611	1,638	1,525	1,759	438	15,759
DELIVERED TO STORAGE ¹	280	265	67	86	145	300	457	535	401	697	378	909	4,519
DELIVERED TO MEXICO IN EXCESS OF TREATY	1,041	272	152	146	18	14	60	37	162	290	114	1,249	3,554
UNIT "B" IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	231	149	693	626	350	294	434	410	587	388	683	369	5,215
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	48	42	244	205	87	103	93	33	258	155	377	40	1,687
DIVERTED BY OTHERS	65	80	376	339	222	157	290	260	246	161	273	167	2,635
DELIVERED TO STORAGE ¹	17	14	44	29	29	34	42	111	66	55	22	42	505
DELIVERED TO MEXICO IN EXCESS OF TREATY	101	12	29	54	11	0	10	6	17	16	11	120	387
YUMA COUNTY WATER USERS' ASSOCIATION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	4,786	10,301	2,900	2,424	2,789	2,824	4,185	6,997	5,506	7,097	10,877	8,015	68,701
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1,119	3,619	1,817	479	796	477	561	422	1,796	1,782	4,735	1,461	19,064
DIVERTED BY OTHERS	1,560	2,875	787	1,407	1,332	1,777	2,816	5,014	2,930	3,616	3,860	2,243	30,217
DELIVERED TO STORAGE ¹	932	1,247	63	217	478	560	712	1,515	557	1,138	1,821	2,793	12,033
DELIVERED TO MEXICO IN EXCESS OF TREATY	1,174	2,559	233	322	183	10	96	47	222	560	461	1,518	7,386
ARIZONA TOTALS													
ORDERED BUT NOT DIVERTED	21,894	23,612	21,282	32,539	13,381	8,185	14,172	15,412	20,463	18,144	29,408	23,941	242,435
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	5,494	7,987	7,610	14,924	2,367	990	3,960	1,222	6,142	4,869	14,096	4,487	74,147
DIVERTED BY OTHERS	4,786	4,675	6,207	12,622	7,459	4,905	7,382	9,404	7,858	8,465	9,377	6,249	89,389
DELIVERED TO STORAGE ¹	7,633	6,594	6,504	3,429	3,107	2,263	2,614	4,538	5,801	3,611	4,986	8,567	59,646
DELIVERED TO MEXICO IN EXCESS OF TREATY	3,982	4,356	960	1,565	449	27	216	248	662	1,199	950	4,638	19,252

¹ Delivered to temporary storage in Senator Wash Reservoir.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 2011
STATE OF CALIFORNIA

WATER USER	5/15/12	(Values in acre-feet)											TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	2,445	610	6,007	525	6,037	3,861	2,305	2,588	800	-23	108	320	25,583
DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	2,445	610	6,007	525	6,037	3,861	2,305	2,588	800	-23	108	320	25,583
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM													
ORDERED BUT NOT DIVERTED	413	490	609	99	258	1,557	1,662	665	714	1,113	1,079	674	9,333
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	42	92	252	0	34	281	738	11	190	484	289	192	2,605
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	325	277	271	55	7	713	672	454	322	490	517	126	4,229
DELIVERED TO MEXICO IN EXCESS OF TREATY	37	40	65	0	215	564	247	198	188	75	150	205	1,983
	9	81	21	44	1	0	5	2	13	64	123	151	515
YUMA PROJECT RESERVATION DIVISION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	2,407	3,949	1,629	1,693	2,025	2,169	897	1,288	2,093	2,143	3,443	4,530	28,265
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	442	1,466	828	396	771	320	183	228	510	628	1,498	910	8,180
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	1,153	1,213	550	961	908	1,395	534	837	946	996	1,082	1,489	12,064
DELIVERED TO MEXICO IN EXCESS OF TREATY	339	435	151	39	242	448	145	199	553	319	745	1,275	4,889
	474	834	100	298	104	5	34	25	84	199	119	856	3,132
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	8,415	45,223	38,702	19,090	5,412	6,478	6,676	3,501	7,695	11,552	6,881	25,034	184,660
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2,787	24,456	20,442	4,863	1,982	258	3,166	507	3,016	5,252	2,640	5,554	74,924
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	2,070	4,747	11,451	6,443	1,527	3,939	2,436	2,000	1,181	2,846	1,292	3,748	43,680
DELIVERED TO MEXICO IN EXCESS OF TREATY	1,825	5,996	4,134	2,578	1,577	2,281	946	883	3,365	2,120	2,367	12,126	40,198
	1,733	10,024	2,674	5,207	327	0	129	110	133	1,334	582	3,606	25,858
COACHELLA VALLEY WATER DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	4,717	3,829	792	1,717	5,412	2,691	5,066	1,364	5,640	4,079	4,279	3,582	43,168
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1,111	1,699	345	499	1,139	277	1,099	199	1,549	1,242	2,060	783	12,002
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	1,300	764	296	812	3,551	2,070	3,128	888	2,013	1,843	1,397	1,397	19,458
DELIVERED TO MEXICO IN EXCESS OF TREATY	782	590	52	105	520	327	742	246	1,777	845	709	1,060	7,756
	1,524	777	99	302	201	17	96	31	301	150	113	342	3,952
CALIFORNIA TOTALS													
ORDERED BUT NOT DIVERTED	18,397	54,100	47,739	23,124	19,144	16,756	16,605	9,405	16,942	18,864	15,790	34,141	291,009
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	4,382	27,713	21,867	5,757	3,926	1,137	5,187	945	5,266	7,606	6,487	7,439	97,712
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	4,848	7,000	12,568	8,270	5,993	8,117	6,770	4,178	4,462	6,175	4,288	6,760	79,430
DELIVERED TO MEXICO IN EXCESS OF TREATY	5,428	7,671	10,410	3,247	8,591	7,480	4,385	4,113	6,683	3,336	4,079	14,987	80,410
	3,739	11,716	2,894	5,850	634	23	264	168	531	1,746	936	4,956	33,457

¹ Delivered to temporary storage in Senator Wash Reservoir.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944 AND WATER
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

5/15/12	CALENDAR YEAR 2011												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COLORADO RIVER AT NORTHERLY INTERNATIONAL BOUNDARY ¹	130,382	162,561	186,453	188,723	98,785	105,404	115,715	86,317	78,997	49,102	80,580	95,044	1,378,063
TO MEXICO TO SATISFY TREATY REQUIREMENTS													
DELIVERY AT THE LIMITROPHE ²	577	435	462	385	349	285	455	474	491	1,041	1,199	1,000	7,153
DELIVERY AT TIJUANA ³	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERY AT SOUTHERLY INTERNATIONAL BOUNDARY	9,838	10,240	11,982	11,972	11,756	10,450	10,625	9,755	11,125	11,935	11,028	10,121	130,827
WATER ARRANGED FOR THE CIENEGA - MEXICO PORTION ⁴	0	0	0	2,580	3,304	3,939	368	0	0	0	0	0	10,191
WATER ARRANGED FOR THE CIENEGA - NON-GOVERNMENTAL PORTION ⁴	0	127	0	0	1,019	231	0	0	0	0	0	0	1,377
DIVERSION CHANNEL DISCHARGED TO RIVER ⁵	0	0	0	0	0	0	6	0	1	0	0	0	7
DELIVERY TO MEXICO AT NORTHERLY INTERNATIONAL BOUNDARY ⁶	117,698	145,119	182,982	177,127	94,313	104,661	114,488	84,541	77,690	42,395	77,895	81,200	1,300,109
TOTAL DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	128,113	155,921	195,426	192,064	110,741	119,566	125,942	94,770	89,307	55,371	90,122	92,321	1,449,664
MEXICO'S DOWNWARD DELIVERY ADJUSTMENT ⁷	0	0	0	0	0	0	0	0	0	8,107	19,149	23,080	50,336
TOTAL TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	128,113	155,921	195,426	192,064	110,741	119,566	125,942	94,770	89,307	63,478	109,271	115,401	1,500,000
TO MEXICO IN EXCESS OF TREATY ⁸	12,684	17,442	3,471	11,596	4,472	743	1,227	1,776	1,307	6,707	2,685	13,844	77,954
ACCOUNTABLE DELIVERIES TO MEXICO ⁹	140,797	173,363	198,897	203,660	115,213	120,309	127,169	96,546	90,614	62,078	92,807	106,165	1,527,618
WATER ARRANGED FOR THE CIENEGA - U.S. PORTION ¹⁰	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC	5,905	5,790	6,960	11,516	13,637	13,283	10,048	9,774	12,621	13,157	12,710	15,222	130,623
MEXICO'S DOWNWARD DELIVERY ADJUSTMENT - EVAPORATION LOSS ¹¹												1,510	1,510
VOLUME OF MEXICO'S DOWNWARD DELIVERY ADJUSTMENT AVAILABLE FOR DELIVERY TO MEXICO BEGINNING IN 2014 ¹²													48,826

Footnotes:

¹ Flow in the river at the Northerly International Boundary as reported by IBWC as delivery to Mexico, which includes flows to Mexico in Excess of Treaty.

² Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

³ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minutes No. 310 and 314 of the IBWC.

⁴ In accordance with the Joint Report of the Principal Engineers Concerning U.S. - Mexico Joint Cooperative Actions Related to the Yuma Desalting Plant Pilot Run. This water is included as a portion of Mexico's scheduled water order in accordance with Treaty requirements.

⁵ The Diversion channel delivers water from the SIB confluence structure to the river or to the Bypass. During the months of February through September water is discharged to the Colorado River and is charged to the Treaty.

⁶ That portion of the flows at NIB necessary to meet the 1.5 MAF Treaty obligation. This figure does not include Excess flows to Mexico.

⁷ Mexico's reduced diversions pursuant to Minute No. 318.

⁸ Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.

⁹ Mexico's total water delivery, includes Treaty requirements in accordance with its scheduled diversions, does not include water bypassed pursuant to Minute No. 242 of the IBWC or downward delivery amounts.

¹⁰ In accordance with the Joint Report of the Principal Engineers Concerning U.S. - Mexico Joint Cooperative Actions Related to the Yuma Desalting Plant Pilot Run. This water is included in the Water Bypassed Pursuant to Minute No. 242 and is not part of Mexico's schedule. The 3,988 acre-feet of arranged water conveyed in 2010, when combined with the 6,297 acre-feet conveyed in 2009, fully satisfied the U.S. obligation for arranged water.

¹¹ In accordance with Minute No. 318, beginning in 2011, a 3 percent annual evaporation loss is applied on December 31 of any year in which the volumes referred to in Mexico's downward delivery adjustment or any portion thereof that have not yet been delivered to Mexico.

¹² Volume of Mexico's downward delivery adjustment at the end of the accounting year, subject to future evaporation losses.

**RECORDS OF DIVERSIONS OF WATER FROM THE
 MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
 AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
 OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
 ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
 SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

05/15/12		CALENDAR YEAR 2011												
		(Values in acre-feet)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information, tabulated here, provides a more extensive record of activities relating to federal management of the Colorado River. In concise reports specific to various agreements or requirements, this information is intended to help the reader correlate the records of diversions and consumptive use found in the Article V portion of this report with the various conservation, transfer and exchange agreements. The final section contains documents significant to the actions taken by Reclamation, the Lower Division States, and the water user agencies during 2011.

INTERSTATE BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off-stream in one state for future benefit of consuming entities in another state.

Reclamation, on behalf of the Secretary of the Interior (Secretary), executed a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). The SIRA provides structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate water banking program.

In 2002, AWBA, SNWA, and CRCN executed an Interstate Water Banking Agreement, amended April 1, 2009, that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off-stream storage of Colorado River water in Arizona and the establishment of Long-Term Storage Credits (LTSC) for the benefit of SNWA.

Another element of this interstate water banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and the Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by LTSC's. CAWCD reduces its diversion of Colorado River water through the Central Arizona LCWSP by an equivalent amount, reducing Arizona's Colorado River water consumption. This forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

the year Colorado River water is diverted. LTSC's are created for the account of consuming entities in Nevada. When LTSC's are recovered, pursuant to the SIRA the consuming entities in Nevada will divert Colorado River water in exchange for CAWCD's use of the LTSC's. The Secretary will release ICUA created by AWBA via CAWCD's forbearance to the consuming entity in Nevada in that same year pursuant to Article II (B) (6) of the Consolidated Decree. ICUA used in Nevada is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

In 2004, CRCN, SNWA, the Metropolitan Water District of Southern California (MWD), and the United States entered into a SIRA under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls for this stored water MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration Lower Colorado River Water Supply Project in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. MWD consumed its remaining IUS credits in calendar year 2010.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA and MWD, provisional LTSC accrued during the past year, LTSC's recovered during the past year, and ALTSC held for an entity with a SIRA.

INTERSTATE BANKING
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

		2010 EOY Balance	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified 2010 EOY ALTSC ¹	600,651													
Water diverted and stored in AZ for the benefit of SNWA.	Accrued LTSC in 2011 ²		0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 2011 ³		0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 2011 ⁴		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651
Water diverted and stored by MWD for the benefit of SNWA.	Verified 2010 EOY ALTSC ^{1,6}	70,000													
	Accrued LTSC in 2011 ⁶		0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 2011		0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 2011 ^{4,6}		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
AMOUNT OF WATER STORED FOR THE BENEFIT OF SNWA - CURRENT YEAR			0	0	0	0	0	0	0	0	0	0	0	0	0
CUMULATIVE BALANCE OF WATER STORED FOR SNWA WITHIN AZ AND CA ⁷			670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651
STATES TOTAL	Verified 2010 EOY ALTSC ¹	670,651													
Water stored in AZ and CA for the benefit of SNWA.	Accrued LTSC in 2011 ²		0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 2011 ³		0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 2011 ⁴		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651

Footnotes:

¹ ALTSC's verified by the banking entity before the beginning of the reporting year and available for recovery by a specific entity with a valid SIRA. Requested ICUA cannot exceed verified ALTSC. The LTSC's for 2010 have been adjusted upward as verified by the AWBA in a letter dated August 3, 2011. As a result, the EOY balance for 2010 is increased by 759 acre-feet from 599,892 acre-feet to 600,651 acre-feet.

² Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada are limited to 200,000 af annually.

³ AWBA did not store any Colorado River water in Arizona for SNWA in 2011. Displayed values are provisional upon verification by AWBA and represent water that may be available for recovery for SNWA.

⁴ ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have certified this amount to be available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to SNWA's requested release. SNWA will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available. Total recovery of ALTSC from AWBA cannot exceed 100,000 af annually, due to a limitation defined under Arizona state law.

⁵ ALTSC's are cumulative monthly sum of verified, or estimated LTSC.

⁶ In 2004 MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, California will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California.

⁷ This cumulative balance includes the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the reporting year.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently divert or consumptively use Colorado River water in an amount that exceeds the amount lawfully available to the user (inadvertent overrun). Requirements are now established for the repayment of such overruns.

The Colorado River Water Delivery Agreement (CRWDA), authorizing the Inadvertent Overrun and Payback Policy (IOPP), was signed October 10, 2003, by the Secretary of the Interior. The IOPP became effective January 1, 2004, and it applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 *Federal Register* 12,201 (2004). The policy defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The following tabulation displays items associated with inadvertent overruns and paybacks. This includes the identification of entitlement holders who have inadvertently overrun since January 1, 2011, or a previous year, the amount of the overrun repayments made to the Colorado River system, and the remaining overrun balance in each user's inadvertent overrun account.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 STATE OF ARIZONA
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
CENTRAL ARIZONA WATER CONSERVATION DISTRICT	IOPP Overruns by Water User	Calendar Year Use ²	1,625,043	1,632,276	1,632,276
		Calendar Year Overrun ³	0		
		BOY Overrun Account Balance ⁴	11,659		
		Validated Calendar Year Paybacks ⁵	11,659		
		EOY Overrun Account Balance ⁶	0		
		Account Balance as Percent of Entitlement	0.0%		
COCOPAH INDIAN RESERVATION	IOPP Overruns by Water User	Calendar Year Diversions ^{2,7}	12,123	10,221	11,518
		Calendar Year Overrun ³	1,902		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		AZ unused apportionment applied to overrun ⁸	1,297		
		EOY Overrun Account Balance ⁶	605		
Account Balance as Percent of Entitlement	5.3%				
BEATTIE FARMS	IOPP Overruns by Water User	Calendar Year Diversion ²	1,563	1,110	1,110
		Calendar Year Overrun ³	453		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		EOY Overrun Account Balance ⁶	453		
		Account Balance as Percent of Entitlement	40.8%		

Footnotes:

¹ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy (IOPP).

² The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.

³ The amount of overrun accrued during the reporting year.

⁴ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

⁵ Paybacks to the Colorado River system made during the reporting year.

⁶ The remainder of the IOPP overrun account balance as of the end of the reporting year.

⁷ The Cocopah Indian Reservation overrun amount is based upon the Cocopah Tribe's (Tribe) combined approvals for its Trust and Fee lands. The approval amount is 9,550 acre-feet for diversion to Trust lands and 671 acre-feet for diversion to Fee lands. The Tribe's diversion entitlement is 10,847 acre-feet for use on Trust lands and 671 acre-feet for use on Fee lands. The Tribe's entitlement for use on Fee lands is an estimated amount which is currently under review by the Tribe's attorneys.

⁸ In 2011, Arizona unused apportionment was applied to the Cocopah Indian Reservation overrun in accordance with Section 3.2 of the Lower Colorado Region Policy for Apportioned but Unused Water. This policy has been included on the CD enclosed with this Colorado River Accounting and Water Use Report for 2011.

OVERRUNS, PAYBACKS, OVERRUN ACCOUNT BALANCE ¹
 STATE OF CALIFORNIA
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
IMPERIAL IRRIGATION DISTRICT	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	2,915,784	2,822,594	3,100,000
		Calendar Year Overrun - Consumptive Use ^{3,8}	93,190		
		BOY Overrun Account Balance ⁴	0		
		Validated Calendar Year Paybacks ⁵	0		
		Current Year Conservation Applied to Overrun ⁶	(10,528)		
		EOY Overrun Account Balance ⁷	82,662		
		Account Balance as Percent of Entitlement	2.7%		
FORT MOJAVE INDIAN RESERVATION	IOPP Overruns by Water User	Calendar Year Diversion ²	14,826	14,671	16,720
		Calendar Year Overrun - Diversion ³	155		
		Calendar Year Overrun - Consumptive Use	83		
		BOY Overrun Account Balance - Diversion ⁴	2,049		
		Validated Calendar Year Paybacks - Diversion ⁵	2,049		
		Validated Calendar Year Paybacks - Consumptive Use	1,102		
		EOY Overrun Account Balance - Diversion ⁷	155		
		EOY Overrun Account Balance - Consumptive Use ⁷	83		
Account Balance as Percent of Entitlement	0.9%				

Footnotes:

¹ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy (IOPP).

² The water user's actual diversion or consumptive use as tabulated in the Article V (B) section of this report.

³ The amount of overrun accrued during the reporting year.

⁴ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

⁵ Paybacks to the Colorado River system made during the reporting year.

⁶ In 2011, IID conserved 26,528 acre-feet through its Main Canal Seepage Interception System projects; of this amount 16,000 acre-feet of conservation was transferred to CVWD as referenced in the CRWDA, Exhibit B, Column 8; the remaining 10,528 acre-feet of conserved water was approved by Reclamation for use by IID to create ICS in accordance with IID's 2011 ICS Plan of Creation however, this conservation was applied to IID's 2011 overrun.

⁷ The remainder of the IOPP overrun account balance as of the end of the reporting year.

⁸ The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. IID informed Reclamation that: in 2011, IID entered into following contracts for 80,000 af, to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011; in 2011 IID conserved 63,278 acre-feet under the following contracts to support the IID-SDCWA transfer; in 2012 IID will conserve an additional 16,722 acre-feet of water under the 2011/2012 following contracts to support the full 80,000 af IID-SDCWA transfer obligation for 2011. The appropriate accounting for the 2011 IID-SDCWA transfer is under review by Reclamation and will be reflected in a future Colorado River Accounting and Water Use Report.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 STATE OF NEVADA
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
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IOPP Overruns by Individual Water Users

Footnotes:

¹ This section contains tabulations of water use overruns of approved diversions or approved consumptive use amounts in accordance with the Inadvertent Overrun and Payback Policy (IOPP).

**SUMMARY OF WATER AVAILABILITY AND USE
BY
ARIZONA, CALIFORNIA, AND NEVADA**

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are the interstate storage and release agreements, and the Inadvertent Overrun and Payback Policy (IOPP).

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback obligations by users within the state in accordance with IOPP, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2011.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
 CALENDAR YEAR 2011

STATE	ADJUSTMENTS	(Values in acre-feet) ACTUAL USE
ARIZONA	Basic Apportionment ²	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV ³	0
	Payback Obligations ⁴	(11,659)
	Total Available Colorado River Water ⁵	2,788,341
	Total Consumptive Use ⁶	2,781,108
	State Underrun or (Overrun) ⁷	7,233
	AZ unused apportionment applied to AZ overrun ⁸	1,297
CALIFORNIA	Basic Apportionment ²	4,400,000
	NV II(B)(6) Released to CA for Storage for NV ³	0
	Creation of Intentionally Created Surplus (MWD)	(185,704)
	Payback Obligations ⁴	(1,102)
	Total Available Colorado River Water ⁵	4,213,194
	Total Consumptive Use ⁶	4,312,661
	State Underrun or (Overrun) ⁷	(99,467)
	Overruns within California	82,745
	Underconservation for IID/SDCWA Transfer ⁹	16,722
Net State Underrun or (Overrun)	0	
NEVADA	Basic Apportionment ²	300,000
	NV II(B)(6) Available for Storage ³	0
	Total Available Colorado River Water ⁵	300,000
	Total Consumptive Use ⁶	222,847
	State Underrun or (Overrun) ⁷	77,153

Footnotes:

¹ This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments include any: releases to or from another state under Article II(B)(6) of the Consolidated Decree in Arizona v. California, payback obligations of individual water users, and ICS.

² The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.

³ Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona or California under the appropriate SIRA.

⁴ The reduction in the amount of water available to the state due to repayment obligations under the CRWDA or the IOPP.

⁵ The total amount of Colorado River water available for use by the state in 2011.

⁶ The total consumptive use of Colorado River water within the state as tabulated in the Article V section of this report.

⁷ The difference between the Colorado River water available to the state and the state's actual consumptive use.

⁸ In 2011, Arizona unused apportionment was applied to the Cocopah Indian Reservation overrun in accordance with Section 3.2 of the Lower Colorado Region Policy for Apportioned but Unused Water. This policy has been included on the CD enclosed with this Colorado River Accounting and Water Use Report for 2011.

⁹ The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. IID informed Reclamation that: in 2011, IID entered into following contracts for 80,000 af, to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011; in 2011 IID conserved 63,278 acre-feet under the following contracts to support the IID-SDCWA transfer; in 2012 IID will conserve an additional 16,722 acre-feet of water under the 2011/2012 following contracts to support the full 80,000 af IID-SDCWA transfer obligation for 2011. The appropriate accounting for the 2011 IID-SDCWA transfer is under review by Reclamation and will be reflected in a future Colorado River Accounting and Water Use Report.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act (Act), enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (LCWSP) as part of a water supply exchange program. Water pumped from the LCWSP well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The LCWSP well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their contractual allocation. Although some California water users have access to surplus water, the use of the LCWSP wells is required when surplus water is unavailable or insufficient to meet the needs of the LCWSP beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, Stage I of the LCWSP has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and used by the Imperial Irrigation District (IID). IID will then forebear the use of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply LCWSP water to the City of Needles (City) in annual amounts up to 3,500 acre-feet of the initial 5,000 acre-feet available. The contract with the City establishes a framework for the City to enter into

subcontracts for delivery of LCWSP water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) recommends whether a non-Federal applicant should be offered a subcontract for a LCWSP water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and refers the approved applicants to the City which then offers subcontracts.

In September 1998, the Bureau of Land Management (BLM) was allocated 1,150 acre feet of Stage I capacity for consumptive use on BLM-administered lands in California located adjacent the Colorado River. In December 2004, a Reclamation determination reserved an additional 350 acre-feet of Stage I capacity in the LCWSP for use by Reclamation in California at Federal facilities on land adjacent the Colorado River. With the determination, the estimated 5,000 acre-feet per year of Stage I capacity was completely allocated.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of LCWSP water under terms that the Secretary determines will benefit the interest of LCWSP users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City and the Metropolitan Water District of Southern California (MWD), allowing Stage 1 of the LCWSP to be pumped at capacity, without jeopardizing the LCWSP, allowing MWD to receive as much unused water as available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the LCWSP or its replacement.

LOWER COLORADO WATER SUPPLY PROJECT
SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

	TOTAL
LCWSP WELLFIELD PUMPAGE ¹	4,460
NON-FEDERAL LCWSP CONTRACTORS ²	
City of Needles	Consumptive Use 164
Needles's Subcontractors	
Havasu Water Company of California	Consumptive Use 36
Vista del Lago Resort	Consumptive Use 7
Pacific Gas & Electric Company	Consumptive Use 4
Southern California Gas Company	Consumptive Use 68
Needles Other Subcontractors	Consumptive Use 178
TOTAL NON-FEDERAL USE ²	Total Consumptive Use 457
FEDERAL LCWSP CONTRACTORS	
BLM	Consumptive Use 312
RECLAMATION - Parker Dam and Government Camp	Consumptive Use 80
TOTAL FEDERAL USE ³	Total Consumptive Use 392
LCWSP WATER AVAILABLE TO MWD ⁴	3,611

Footnotes:

¹ Non-Colorado River water pumped from the LCWSP wellfield and delivered to IID for its use via the AAC. IID forebears the diversion of this amount from the Colorado River to make water available for exchange by the LCWSP beneficiaries.

² Total LCWSP non-Federal consumptive use by the City of Needles and its subcontractors. Colorado River water used was exchanged for LCWSP water.

³ Total LCWSP Federal contractor consumptive use. Colorado River water used was exchanged for LCWSP water.

⁴ This is the total amount of water pumped from the wellfield minus wellfield pumpage for each of the other LCWSP participants.

CONSERVATION, TRANSFER, AND EXCHANGE AGREEMENTS FOR THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Colorado River water apportioned to the Lower Division states has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, the Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events are depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2011.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use” demonstrates the impact of conservation and transfers on agricultural water use in California in 2011. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE ¹
 CALENDAR YEAR 2011

5/15/12

Uses by California Agricultural Entities

	Consumptive Uses in Acre-Feet
Palo Verde Irrigation District	320,088
Yuma Project Reservation Division	49,029
Yuma Island Pumpers ²	3,845
Priorities 1, 2, 3b	<hr/> 372,962
CVWD	309,348
IID ³	<hr/> 2,915,784
Total California Agricultural Use	3,598,094
MWD Adjustments for Priority 1, 2, and 3b use ⁴	0
MWD-CVWD Exchange	0
IID and CVWD reductions for PPRs	<hr/> 14,500
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	3,612,594
 Annual Agricultural Benchmark or Target Comparison	
2011 Agricultural Target ⁵	3,490,000
Use by California Agriculture+MWD Adjustment+ Agricultural paybacks+IID/CVWD covered PPRs	<hr/> 3,612,594
Total Target Overrun or (Underrun)	122,594

Priority 1, 2, and 3b use below/above 420,000 af

Palo Verde Irrigation District	320,088
Yuma Project Reservation Division	49,029
Yuma Island Pumpers ²	3,845
Total Priority 1, 2, 3b Use	<hr/> 372,962
MWD reduction for Priority 1, 2, and 3b water use ⁶	0
Priority 1, 2, and 3b water delivered to MWD ⁷	47,038

Footnotes:

¹ Sections XI.A., B., E., F., and G., of the 2007 Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead contain the adopted Interim Guidelines. Section XI.G.5 of the Interim Guidelines contains benchmarks for aggregate California agricultural water use during each third year from 2003 through 2012. Exhibit B (attached) to the CRWDA, column 22 references these Interim Guidelines benchmarks, and column 23 references annual targets for aggregate agricultural water use for the years between the benchmarks. Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as all consumptive use of Priorities 1 through 3 plus 14,500 af of PPR use, minus any MWD adjustment for Priority 1 through 3 use above 420,000 af."

² Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Consolidated Decree accounting for this use; nor is it an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

³ IID's use includes the overruns shown on page 30 of this report.

⁴ MWD's reductions for priorities 1, 2, and 3b count toward meeting the ISG annual target.

⁵ See Exhibit B of the CRWDA.

⁶ Per Section 4.d of the CRWDA, MWD use is reduced by the sum of Priority 1, 2, and 3b use greater than 420,000 af.

⁷ Per Section 4.d of the CRWDA, the sum of Priority 1, 2, and 3b use that's less than 420,000 af is delivered to MWD.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 STATE OF ARIZONA
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
STATE OF CALIFORNIA
CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
IID CONSERVATION - 1988 IID/MWD CONSERVATION AGREEMENT ¹													103,940
IID CONSERVATION - MWD REDUCTION FOR CVWD USE ²													4,000
IID CONSERVATION - TRANSFER TO SDCWA ³													63,278
IID CONSERVATION - SDCWA MITIGATION TRANSFER ⁴													0
IID CONSERVATION - IID INTRA-PRIORITY 3 TRANSFER TO CVWD ⁵													16,000
MWD/PVID FORBEARANCE AND FOLLOWING PROGRAM ⁶													122,216
ALL-AMERICAN CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁷													56,200
ALL -AMERICAN CANAL LINING PROJECT - SUPPLEMENTAL - TO MWD ⁷													11,500
ALL-AMERICAN CANAL LINING PROJECT - TOTAL CONSERVATION ⁷													67,700
COACHELLA CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁸													23,765
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL - TO MWD ⁸													4,500
COACHELLA CANAL LINING PROJECT - MITIGATION ⁸													2,585
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION ⁸													30,850

Note: The remaining transfers and water exchanges tabulated in exhibits of the CRWDA may be found in the Exhibit B table presented at the end of this section of this report. Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available based upon their own schedule.

Footnotes:

¹ 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement made available by IID for diversion in the reporting year by MWD, reported as an annual total. In 2011, the amount of water conserved by Project 18 was 2,440 acre-feet as documented in the January 10, 2012, letter from the Chairman of the Program Coordinating Committee to IID, included on the CD enclosed with this Colorado River Accounting and Water Use Report for 2011. This resulted in a total conservation yield of 103,940 acre-feet.

² In accordance with the amended 1989 Approval Agreement, CVWD may request up to 20,000 af of the water conserved by IID for MWD as a result of the IID/MWD Water Conservation Program. MWD is required to reduce up to 20,000 af of water for use by CVWD.

³ As referenced in Column 5, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA. The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. IID informed Reclamation that: in 2011, IID entered into following contracts for 80,000 af, to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011; in 2011 IID conserved 63,278 acre-feet under the following contracts to support the IID-SDCWA transfer; in 2012 IID will conserve an additional 16,722 acre-feet of water under the 2011/2012 following contracts to support the full 80,000 af IID-SDCWA transfer obligation for 2011. The appropriate accounting for the 2011 IID-SDCWA transfer is under review by Reclamation and will be reflected in a future Colorado River Accounting and Water Use Report.

⁴ IID conserved 33,736 acre-feet of Colorado River water in 2010 which was transferred to SDCWA and exchanged with CVWD for non-Colorado River water to meet Salton Sea mitigation requirements for 2010. Also, in 2010, IID delivered 46,546 acre-feet of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. The appropriate accounting for the 46,546 acre-feet is under review by Reclamation and is the subject of Reclamation letters dated October 14, 2010, December 15, 2010, June 29, 2011, and October 11, 2011, which have been included on the CD enclosed with this Colorado River Accounting and Water Use Report for 2011. The final accounting for the 46,546 acre-feet will be reflected in a future Colorado River Accounting and Water Use Report.

⁵ IID conserves water under an acquisition agreement with CVWD to meet the IID/CVWD Intra-priority 3 Transfer obligation as referenced in Column 8, Exhibit B of the CRWDA.

⁶ PVID's annual reduction in consumptive use of Colorado River water through land following. This value is recorded in Table 8 of a jointly produced report compiled by Reclamation, PVID, and MWD entitled "Calendar Year 2011 Followed Land Verification Report." This value represents the estimated reduction in PVID's consumptive use as a result of following 25,947 acres from January through August, 25,235 acres in September, 25,221 acres in October and November, and 24,671 acres in December.

⁷ The amount shown, represents water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined All-American Canal. The Secretarial Determination of water conserved by lining certain reaches of the project was issued in December 2009 (see Significant Documents). As a result, conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD IID, SDCWA, and the SLRSP, dated October 10, 2003 and Public Law 100-675.

⁸ The amount shown, represents water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008. As a result, conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003, Public Law 100-675, and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 STATE OF NEVADA
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

WATER MADE AVAILABLE BY CONSERVATION
 BUREAU OF RECLAMATION
 CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

TRANSFER PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ARIZONA GROUND WATER PERMIT ¹	0	0	0	0	0	0	0	0	0	0	0	0	0
WARREN H. BROCK RESERVOIR CONSERVATION ²	0	9,328	11,403	15,400	9,739	0	14,569	11,693	17,665	10,955	11,318	10,679	122,749
YUMA DESALTING PLANT PILOT RUN ³	4,022	2,293	3,243	0	0	0	0	0	0	0	0	0	9,558

Footnotes:

¹ In 2007, Reclamation was granted a permit to withdraw Arizona ground water for return credits to offset bypass flows to Mexico. The values shown represent the return flow credits earned in accordance with the permit in the year covered by this report.

² Colorado River water captured in the Warren H. Brock Reservoir that would have otherwise been delivered to Mexico in excess of treaty requirements. The difference between the value shown here and the amount shown on page 14 "Delivery From Warren H. Brock Reservoir" consists of changes in reservoir storage and losses from the reservoir.

³ Conservation as result of the operation of the Yuma Desalting Plant in accordance with Minute 316 and the Joint Report between the U.S. and Mexico.

EXHIBIT B
QUANTIFICATION AND TRANSFERS¹
In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Calendar Year	Priority 1, 2 and 3b	IID Priority 3a											CVWD Priority 3a							Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	12, ISG Benchmarks	12 Annual Targets		
		IID Priority 3a Quantified Amount	Reductions										10 IID Net Consumptive Use Amount (difference between column 3 and column 12)	CVWD Priority 3a Quantified Amount	Reductions			Additions					CVWD Net Consumptive Use Amount (columns 14 - 17 plus columns 18 + 19)	
			3 IID Reduction: MWD 1988 Agreement Transfer	IID Reduction: SDCWA Transfer	4 IID Reduction: AAC Lining IID, SDCWA & SLR	5, 6 IID Reduction: SDCWA Mitigation Transfer	7 Intra-Priority 3 Transfer IID/CVWD	6 IID Reduction: MWD Transfer with Salton Sea Restoration	8 IID Reduction: Conditional ISG Backfill	9 IID Reduction: Misc. PPRs	IID Reductions: Total Amount (sum of columns 4 through 11)	4 CVWD Reduction: CC Lining, SDCWA & SLR			9 CVWD Reduction: Misc. PPRs	11 CVWD Reductions: Total Amount (sum of columns 15 + 16)	7 Intra-Priority 3 Transfer IID/CVWD	3 Intra-Priority 3 Transfer MWD/CVWD						
1	2003	420	3,100	110	10	0	5	0	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740
2	2004	420	3,100	110	20	0	10	0	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707
3	2005	420	3,100	110	30	0	15	0	0	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674
4	2006	420	3,100	110	40	0	20	0	0	9	0	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603
6	2008	420	3,100	110	50	67.7	25	4	20	0	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	67.7	30	8	40	0	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3,100	110	70	67.7	35	12	60	0	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510
9	2011	420	3,100	110	80	67.7	40	16	80	0	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047 ¹	420	3,100	110	200	67.7	0	103	0	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077 ¹	420	3,100	110	200	67.7	0	100	0	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

1 Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.

2 Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.

3 IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.

4 Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.

5 Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.

6 Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.

7 MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.

8 IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.

9 Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.

10 For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.

11 For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).

12 All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.

13 Assumes SDCWA does not elect termination in year 35.

14 Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

INTENTIONALLY CREATED SURPLUS

On December 13, 2007, the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (Interim Guidelines) was signed. Section 3, pages 38-43 of the Interim Guidelines contains the policies and guidelines concerning the categories of, creation, delivery, and accounting for Intentionally Created Surplus (ICS).

Prior to the signing of the Interim Guidelines, Reclamation had in 2006, entered into letter agreements with the Imperial Irrigation District and the Metropolitan Water District of Southern California to implement a demonstration program for the development of ICS. "ICS Water" in this program referred to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona v. California*, 547 U.S. 150 (2006) (Consolidated Decree) as ICS. The demonstration program covered the creation of ICS Water during calendar years 2006 and 2007, and required the creation of ICS Water through extraordinary conservation. Beginning in 2008, the creation and use of ICS is governed by the Interim Guidelines.

Under the Interim Guidelines four types of ICS may be created by an approved contractor: Extraordinary Conservation ICS, Tributary Conservation ICS, System

Efficiency ICS, and Imported ICS. Also stipulated in the Interim Guidelines are the limits as to how much ICS of each type may be created each year and in total, as well as how much ICS may be delivered by the Secretary each year. The following conditions apply to ICS:

- 1) During the year of creation, and with the exception of System Efficiency ICS, five percent of the ICS created will be dedicated to system storage to provide a collective storage benefit for Colorado River users,
- 2) An annual evaporation loss of three percent will be applied to remaining ICS beginning the year after its creation,
- 3) Under flood control releases ICS will be the first released, and
- 4) In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS.

The Secretary is responsible for approving plans for the creation of ICS, allowing for their modification, and developing procedures to account for and verify ICS creation and delivery.

The Interim Guidelines can be found in the Significant Documents section of the report.

INTENTIONALLY CREATED SURPLUS BALANCES
BY STATE, USER, AND TYPE OF ICS
CALENDAR YEAR 2011

5/15/12

(Values in acre-feet)

State	User	ICS Type	2010 EOY Balance	Creation ¹	System Benefit ²	IOPP Payback ³	Delivery	Evaporation Loss ⁴	2011 EOY Balance ⁵
ARIZONA	CAWCD	System Efficiency - Warren H. Brock ⁶	100,000	0	N/A	0	0	N/A	100,000
	CAWCD	System Efficiency - YDP Pilot Run ⁸	2,094	956	N/A	0	0	N/A	3,050
CALIFORNIA									
	MWD	Extraordinary Conservation ⁷	173,217	185,704	9,285	0	0	5,197	344,439
	MWD	System Efficiency - Warren H. Brock ⁶	66,000	0	N/A	0	0	N/A	66,000
	MWD	System Efficiency - YDP Pilot Run ⁸	16,750	7,647	N/A	0	0	N/A	24,397
	IID	Extraordinary Conservation	6,023	0	0	0	0	181	5,842
NEVADA									
		Extraordinary Conservation converted from							
	SNWA	Tributary Conservation / Imported ⁹	48,993	0	0	0	0	1,470	47,523
	SNWA	Tributary Conservation	0	29,889	1,494	0	0	0	28,395
	SNWA	Imported	0	3,899	195	0	0	0	3,704
	SNWA	System Efficiency - Warren H. Brock ⁶	400,000	0	N/A	0	0	N/A	400,000
	SNWA	System Efficiency - YDP Pilot Run ⁸	2,094	956	N/A	0	0	N/A	3,050
Total ICS stored in Lake Mead: EOY 2011									1,026,400

Footnotes:

- ¹ The amount of ICS water created by the contractor during the reporting year. Unless otherwise noted, all current year values displayed in this column are provisional until verified by Reclamation.
- ² In accordance with Section 3.B.2. of the Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operation for Lake Powell and Lake Mead (Interim Guidelines), there shall be a one-time deduction of five percent (5%) from the amount of ICS in the year of creation. This system assessment shall result in additional system water in storage in Lake Mead.
- ³ In accordance with Section 3.C.7 of the Interim Guidelines, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. If a contractor requests to use its ICS credits to pay back an overrun, the contractor's ICS account(s) shall be reduced by the amount of the payback prior to calculating the evaporation loss and the remaining ICS credits available to the contractor.
- ⁴ The evaporation loss factor is 3.0 percent, per the Interim Guidelines.
- ⁵ The EOY balance of ICS water including creation and reductions taking place in the reporting year.
- ⁶ The Warren H. Brock Reservoir became operational in 2010. Per the funding agreement of December 13, 2007, CAWCD and MWD were credited with 100,000 acre-feet each of System Efficiency ICS, and SNWA was credited with 400,000 acre-feet in 2010.
- ⁷ In 2011, MWD was approved to create up to 200,000 acre-feet of Extraordinary Conservation ICS under an approved ICS plan. The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. IID informed Reclamation that: in 2011, IID entered into following contracts for 80,000 af, to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011; in 2011 IID conserved 63,278 acre-feet under the following contracts to support the IID-SDCWA transfer; in 2012 IID will conserve an additional 16,722 acre-feet of water under the 2011/2012 following contracts to support the full 80,000 af IID-SDCWA transfer obligation for 2011. The appropriate accounting for the 2011 IID-SDCWA transfer is under review by Reclamation and will be reflected in a future Colorado River Accounting and Water Use Report.
- ⁸ CAWCD, MWD, and SNWA have developed System Efficiency (SE) credits through funding the operation of the YDP for a period of up to 18 months. ICS credit will be applied to each of the ICS accounts in proportion to each entity's funding percentage upon the production of water by the YDP. In 2011, total SE ICS credits for YDP are 9,558 acre-feet.
- ⁹ The 2010 certification report provided by SNWA revised the 2010 Imported ICS creation from 841 af to 659 af and the amount of Tributary Conservation ICS creation from 30,070 af to 30,073 af. After reduction for system benefit the amount of Imported ICS stored in Lake Mead in 2010 was 626 af and the amount of Tributary Conservation ICS stored in Lake Mead in 2010 was 28,569 af. In accordance with Section 3.A.2 of the Interim Guidelines, these amounts were converted to Extraordinary Conservation ICS at the beginning of 2011 and in accordance with Section 3.B.7 assessed an evaporative loss.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2011

These documents afford the reader an opportunity to read the agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2011.

The compact disc (CD) located in the pocket on the back cover of this report contains the documents significant to the delivery of Colorado River water in 2011. These documents are in a searchable Acrobat® (PDF) format. The list below provides a brief description of each significant document's contents and the file name under which that document may be found on the CD. The file names are printed exactly as they appear on the CD. The acronyms used below are defined in the Acronyms and Abbreviated Terms on page one of this report. Anyone desiring additional water accounting information is encouraged to log on to the following website, where all previous water accounting reports can be viewed and PDF files may be downloaded at: www.usbr.gov/lc/region/g4000/wtracct.html.

	RECORD OF DECISION	CD FILE NAME
1.	The Record of Decision for Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead, dated December 13, 2007.	2007 ROD Interim Guidelines-Shortages-Coordinated Operations
	REPORTS	CD FILE NAME
2.	2011 Annual Operating Plan Executive Summary that outlines the criteria under which the Colorado River will be operated during CY 2011 considering current and anticipated hydrologic conditions.	2011 Annual Operating Plan Executive Summary
	INTERIM DETERMINATIONS	CD FILE NAME
3.	The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the Coachella Canal Lining Project, dated December 4, 2009.	CCLP Lining Interim Determination
4.	The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result the All-American Canal Lining Project, dated January 31, 2008.	AAC Lining Interim Determination
	POLICIES	CD FILE NAME
5.	Lower Colorado Region Policy for Apportioned but Unused Water, dated February 11, 2010	Unused Water Policy

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2011**

INTENTIONALLY CREATED SURPLUS		CD FILE NAME
6.	MWD's Extraordinary Conservation ICS certification report for calendar year 2010.	MWD 2010 ECICS Certification Report
7.	Reclamation's letter dated March 29, 2012, verifying MWD's ICS creation for calendar year 2010.	Reclamation-MWD 2010 ECICS Verification
8.	MWD's Extraordinary Conservation ICS plan of creation for calendar year 2011.	MWD 2011 ECICS plan of creation
9.	Reclamation's letter dated December 14, 2010, approving MWD's ECICS plan of creation for calendar 2011.	Reclamation-MWD 2011 ECICS approval
10.	IID's Extraordinary Conservation ICS plan of creation for calendar year 2011.	IID 2011 ECICS plan of creation
11.	Reclamation's letter dated December 14, 2010, approving IID's ECICS plan of creation for calendar 2011.	Reclamation-IID 2011 ECICS approval
12.	SNWA's Tributary Conservation and Imported ICS plan of creation for calendar year 2011.	SNWA 2011 Tributary Conservation-Imported ICS plan of creation
13.	Reclamation's letter dated December 14, 2010, approving SNWA's 2011 plan of creation for Tributary Conservation and Imported ICS.	Reclamation-SNWA 2011 ICS approval
14.	Report of System Efficiency ICS created in 2011 through a pilot-run of the Yuma Desalting Plant funded by and for the benefit of MWD, SNWA, and CAWCD.	Reclamation YDP 2011 pilot-run report

INTERSTATE WATER BANKING		CD FILE NAME
15.	AWBA's letter dated August 3, 2011, verifying SNWA's final 2010 interstate water banking account.	AWBA final 2010 accounting letter-executed
16.	MWD's letter dated February 21, 2012, verifying SNWA's final 2010 interstate water banking account.	MWD final 2011 accounting letter-executed
17.	AWBA's letter dated December 15, 2010, indicating they would not be storing water for SNWA in 2011.	AWBA no projected banking in 2011

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2011**

INADVERTENT OVERRUN AND PAYBACK POLICY		CD FILE NAME
18.	Reclamation's letter dated October 20, 2011, establishing the Fort Mojave Indian Tribe's 2011 IOPP payback obligation.	USBR-FMIT 2011 Payback Obligation
19.	The Fort Mojave Indian Tribe's revised 2011 IOPP payback plan, dated November 23, 2011.	FMIT revised 2011 Payback Plan
20.	Reclamation's letter dated December 28, 2011, approving the Fort Mojave Indian Tribe's revised 2011 IOPP payback plan.	USBR Approval letter of 2011 FMIT Payback Plan
21.	The Fort Mojave Indian Tribe's certification report for IOPP paybacks made in 2011, dated February 6, 2012.	FMIT 2011 IOPP certification
22.	Reclamation's letter dated May 2, 2012, verifying the Fort Mojave Indian Tribe's 2011 IOPP payback amount of 2,049 acre-feet.	2011 FMIT IOPP Verification Letter
23.	The Central Arizona Project's 2011 IOPP payback plan for overruns incurred in 2009, dated September 10, 2010.	CAP 2011 IOPP payback plan
24.	Reclamation's letter dated May 17, 2011, approving the Central Arizona Water Conservation District's 2011 IOPP payback plan.	Reclamation-CAP 2011 IOPP payback plan approval
25.	AWBA's letter dated March 8, 2012, confirming the reduction of 2011 AWBA supplies to payback an IOPP overrun incurred by CAP in calendar year 2009.	AWBA reduction for CAP IOPP payback plan
26.	The Central Arizona Water Conservation District's certification report for IOPP paybacks made in 2011, dated March 8, 2012.	CAP-Reclamation IOPP certification
27.	Reclamation's letter dated May 2, 2012, verifying the Central Arizona Water Conservation District's 2011 IOPP payback amount of 11,659 acre-feet.	2011 CAWCD IOPP Verification Letter

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2011**

COLORADO RIVER WATER DELIVERY AGREEMENT		CD FILE NAME
28.	Reclamation's letter to IID dated October 14, 2010, expressing the Secretary's position and concerns with the delivery of Colorado River water directly to the Salton Sea and the proper accounting for this delivery.	Reclamation-IID 2010 Salton Sea accounting
29.	Reclamation's letter to the CRWDA parties dated December 15, 2010, detailing how the direct delivery of Colorado River water to the Salton Sea will be dealt with in a footnote in the 2010 Colorado River water accounting report.	Reclamation-CRWDA parties 2010 water accounting report footnote
30.	Reclamation's letter to the CRWDA parties dated June 29, 2011, concerning the direct delivery of Colorado River water to the Salton Sea and suspending a final decision for 2010 accounting while issues are resolved.	Reclamation-CRWDA parties 2010 water accounting decision
31.	Reclamation's letter to the CRWDA parties dated October 11, 2011, addressing IID's proposed elimination of mitigation water to the Salton Sea for 2014-2017 while expressing Reclamation's commitment to administer and implement the binding provisions of the CRWDA.	Reclamation-CRWDA parties IID mitigation water proposal
32.	CAWCD, MWD, and SNWA's joint letter to Reclamation dated October 13, 2011, expressing their desire that any unused Colorado River water for calendar year 2011 be left in Lake Mead to meet the demands for future years.	Joint letter concerning unused water disposition for 2011
33.	A letter from the Chairman of the Program Coordinating Committee to IID dated January 10, 2012, verifying the amount of water conserved by Project 18 was 2,440 acre-feet.	PCC-IID Project 18 verification for 2011
34.	CVWD's letter dated November 29, 2011, projecting the estimated amount of 2011 environmental mitigation water for the Coachella Canal Lining Project, and the remaining water available for transfer to the SDCWA.	CVWD-Reclamation 2011 CCLP Mitigation Water
35.	Reclamation's letter to CVWD dated December 28, 2011, acknowledging CVWD's estimate of the amount of water used in 2011 for environmental mitigation for the Coachella Canal Lining Project, and the amount of water available to SDCWA.	Reclamation-CVWD 2011 CCLP Mitigation Water

WATER ACCOUNTING		CD FILE NAME
36.	A description on how irrigation water is accounted for by the USGS for areas where estimates of diversion are required.	USGS Diversion Estimate Methodology
37.	Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations for Arizona and California	USGS Pump-well location maps

RECLAMATION

Managing Water in the West

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2012



U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region

Mission Statements

Protecting America's Great Outdoors and Powering Our Future -
The U.S. Department of the Interior protects America's natural
resources and heritage, honors our cultures and tribal communities,
and supplies the energy to power our future.

The mission of the Bureau of Reclamation is to manage, develop,
and protect water and related resources in an environmentally and
economically sound manner in the interest of the American public.

Colorado River Accounting and Water Use Report Arizona, California, and Nevada

Calendar Year 2012

Prepared by

**Lower Colorado Region
Boulder Canyon Operations Office**



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Bureau of Reclamation
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May 2013

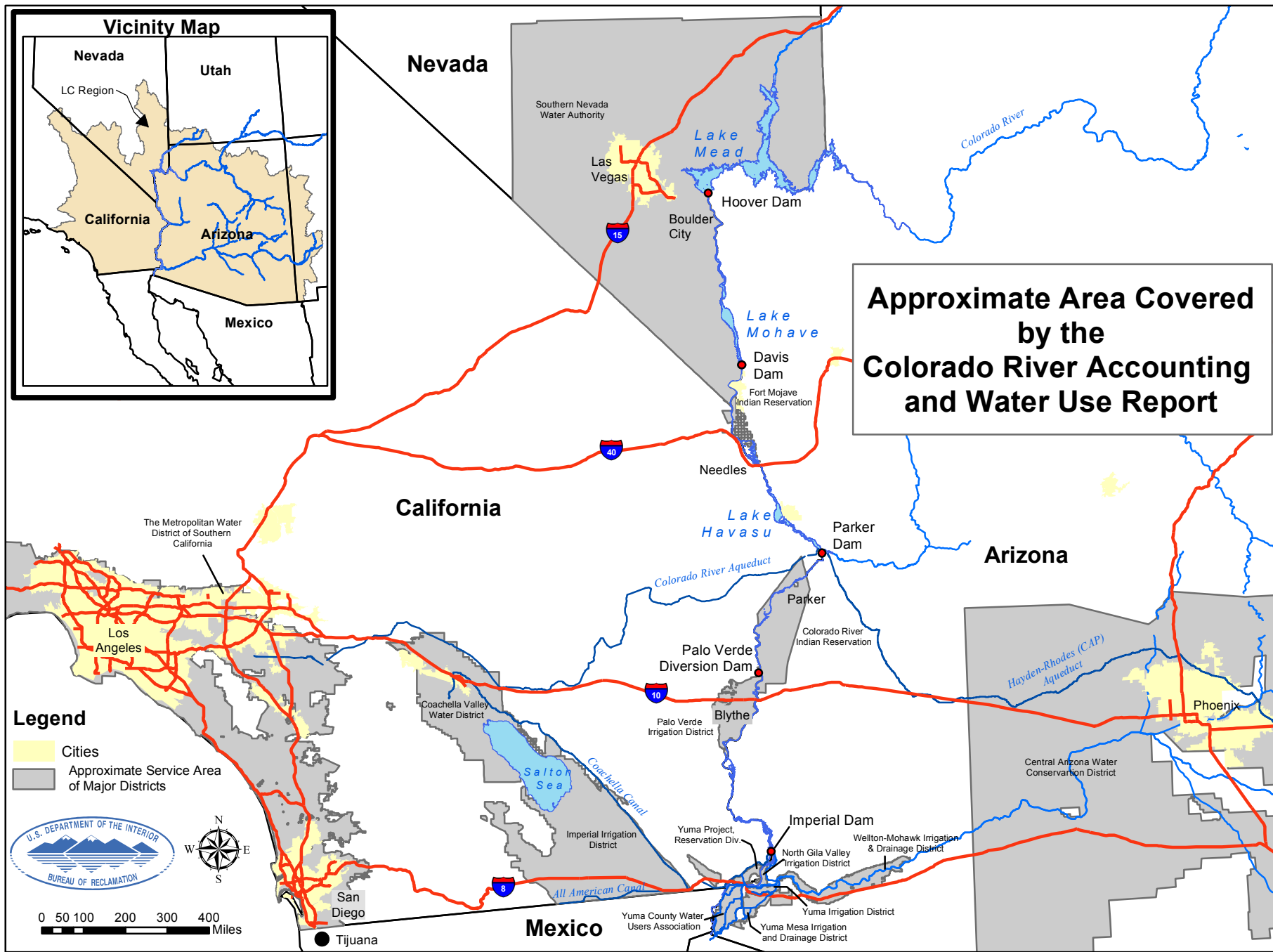


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Acronyms and Abbreviated Terms

These acronyms and abbreviations are found in the text, footnotes, and headings within this document

AAC	All-American Canal	FEIS	Final Environmental Impact Statement
AACLPL	All-American Canal Lining Project	Ftnts	Footnotes
ADP	Arizona diesel pump	FYIR	Fort Yuma Indian Reservation
ADW	Arizona diesel well	GGMC	Gila Gravity Main Canal
AEP	Arizona electric pump	ICUA	Intentionally Created Unused Apportionment
AEW	Arizona electric well	I.D.D.	Irrigation and Drainage District
af	acre-feet	IBWC	International Boundary and Water Commission
AFY	Acre-feet per Year	ICS	Intentionally Created Surplus
ALTSC	Accumulated Long Term Storage Credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOPP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	ISG	Colorado River Interim Surplus Guidelines
ASLD	Arizona State Land Department	IUS	Interstate Underground Storage credits
Assn.	Association	kaf	Thousand acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning-of-year	LLC	Limited Liability Company
CAP	Central Arizona Project	LTD	Limited
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CCLP	Coachella Canal Lining Project	MAF	Million acre-feet
CDP	California diesel pump	MWD	Metropolitan Water District of Southern California
CDW	California diesel well	MOD	Main Outlet Drain
CDEW	California diesel electric well	MODE	Main Outlet Drain Extension
CEP	California electric pump	M&I	Municipal and Industrial
CEW	California electric well	NWR	National Wildlife Refuge
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CO	Colorado	PG&E	Pacific Gas and Electric Company
CR	Colorado River	PPR	Present Perfected Right
CRBC	Colorado River Board of California	PVID	Palo Verde Irrigation District
CRCN	Colorado River Commission of Nevada	QSA	Quantification Settlement Agreement
CRIT	Colorado River Indian Tribes	SCE	Southern California Edison Company
CRWDA	Colorado River Water Delivery Agreement	SIB	Southerly International Boundary
CU	consumptive use	SIRA	Storage and Interstate Release Agreement
CVWD	Coachella Valley Water District	SDCWA	San Diego County Water Authority
CY	calendar year	SLRSP	San Luis Rey Settlement Parties
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	USGS	United States Geological Survey
Div	diversion	YAO	Yuma Area Office (Reclamation)
DPOC	drainage pump outlet channel	YDP	Yuma Desalting Plant
ECICS	Extraordinary Conservation Intentionally Created Surplus	YFO	Yuma Field Office (BLM)
ET	evapotranspiration	YID	Yuma Irrigation District
EOY	end-of-year	YMIDD	Yuma Mesa Irrigation and Drainage District

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2012

	05/15/13	(Values in thousand acre-feet except as noted)												
	2012 BOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CY CHANGE ¹
END OF MONTH ACTIVE CONTENTS ²														
LAKE POWELL	15,974	15,641	15,453	15,458	15,508	15,632	15,294	14,680	14,151	13,929	13,706	13,251	12,713	-3,261
PERCENTAGE OF POWELL ACTIVE STORAGE ³	65.7%	64.3%	63.5%	63.6%	63.8%	64.3%	62.9%	60.4%	58.2%	57.3%	56.4%	54.5%	52.3%	
LAKE MEAD	14,644	15,022	14,907	14,535	13,986	13,541	13,200	13,207	13,269	13,135	13,263	13,334	13,636	-1,008
LAKE MOHAVE	1,586	1,628	1,650	1,670	1,708	1,700	1,693	1,696	1,716	1,605	1,377	1,507	1,572	-14
LAKE HAVASU	537	554	563	565	602	596	584	598	587	561	606	581	550	13
STORAGE IN LOWER BASIN ⁴	16,767	17,204	17,120	16,770	16,297	15,837	15,478	15,501	15,572	15,301	15,246	15,422	15,759	
PERCENTAGE OF CO RIVER ACTIVE STORAGE IN THE LOWER BASIN ⁵	59.2%	60.8%	60.5%	59.2%	57.6%	55.9%	54.7%	54.8%	55.0%	54.1%	53.9%	54.5%	55.7%	
LOWER BASIN STORAGE PLUS LAKE POWELL ⁶	32,741	32,845	32,572	32,228	31,805	31,469	30,772	30,181	29,723	29,230	28,952	28,673	28,471	-4,270
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL ⁷	62.2%	62.4%	61.9%	61.2%	60.4%	59.8%	58.5%	57.3%	56.5%	55.5%	55.0%	54.5%	54.1%	
TOTAL SYSTEM STORAGE ⁸	38,366	38,324	37,935	37,561	37,180	36,761	36,051	35,336	34,691	34,022	33,644	33,336	33,076	-5,290
PERCENTAGE OF TOTAL SYSTEM STORAGE ⁹	64.6%	64.5%	63.9%	63.3%	62.6%	61.9%	60.7%	59.5%	58.4%	57.3%	56.7%	56.1%	55.7%	

Footnotes:

¹ "CY CHANGE" is the difference in the end-of-month storage from midnight December 31 of the preceeding year and midnight December 31 of the reporting year. A positive value indicates an increase in the amount of water in storage. A negative value indicates a decrease in the amount of water in storage.

² Actual values may differ slightly from the displayed values due to rounding and being displayed to the nearest thousand acre-feet.

³ Percentage of total active storage capacity available in Lake Powell. Based on total active storage capacity of 24,322,000 af. For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

⁴ The sum of end-of-month storage in Lakes Mead, Mohave, and Havasu.

⁵ The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on total active storage capacity of 28,306,000 af.

⁶ The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).

⁷ The percentage of available total active storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on total active storage capacity of 52,628,000 af.

⁸ Total end-of-month system storage, includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River system.

⁹ The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total active system storage capacity of 59,383,000 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

In accordance with Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, “The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;

(E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest.”

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

The following tabulation, for calendar year 2012, shows the final records for release of water through regulatory structures controlled by the United States. Records of releases from Glen Canyon, Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams are furnished by the United States Geological Survey and are based upon measurements at or below the structures.

The record of river flow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation Main Canal near Parker, Arizona" measured at Headgate Rock Dam.

STRUCTURE	CALENDAR YEAR 2012												TOTAL	
	05/15/13	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
GLEN CANYON DAM		846,400	654,200	607,000	611,800	605,900	712,200	892,400	810,300	478,000	495,200	736,000	799,500	8,248,900
HOOVER DAM		713,100	775,700	986,000	1,170,000	1,006,000	989,700	841,269	798,526	635,484	345,481	650,360	475,636	9,387,256
DAVIS DAM		671,100	736,300	946,700	1,104,000	1,001,000	973,300	812,100	765,400	777,900	641,500	509,000	398,500	9,336,800
PARKER DAM		372,400	489,400	708,300	777,300	708,100	718,500	676,000	569,600	540,700	470,900	335,500	279,900	6,646,600
HEADGATE ROCK DAM ¹		341,920	449,180	656,330	717,880	633,860	639,850	600,950	498,560	479,850	429,300	306,810	255,490	6,009,980
PALO VERDE DIVERSION DAM		331,200	383,200	549,000	657,200	544,900	518,800	520,500	417,800	412,300	407,900	308,000	255,400	5,306,200
IMPERIAL DAM ²		16,560	14,980	16,910	42,210	31,540	24,090	53,930	32,910	23,940	26,940	23,150	23,370	330,530
DIVERSION TO MITTRY LAKE FROM THE GGMC		361	412	540	554	619	621	604	614	519	549	401	573	6,367
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE		16,921	15,392	17,450	42,764	32,159	24,711	54,534	33,524	24,459	27,489	23,551	23,943	336,897
LAGUNA DAM		18,900	16,410	18,550	41,260	36,300	27,440	49,680	35,570	25,680	30,870	25,830	28,380	354,870

Footnotes:

¹ Computed as Parker Dam release minus diversion at Headgate Rock Dam.

² Represents flow below Imperial Dam alone and does not include diversions through the All-American Canal and the Gila Gravity Main Canal.

**RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH
ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT
IN ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2012 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished to Reclamation or other water regulatory agencies by the United States Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer. Diversions are listed in two separate tabulations for each state. The first tabulation lists water users whose diversions are typically measured and reported monthly or more frequently. Measured return flows to the mainstream, an estimate of unmeasured return flows to the mainstream, and consumptive use are listed for points of diversion and return when that information is available.

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For diversions reported by the USGS, the USGS verifies the crops being grown and uses evapotranspiration methodologies to estimate the crop use, then

applies irrigation efficiency coefficients to derive the estimated diversions. Unmeasured returns are computed by multiplying a user's diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior, or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice an error or omission, please report it to Boulder Canyon Operations Office at the address listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation discontinued reporting these wells beginning in 2004.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
LAKE MEAD NATIONAL RECREATION AREA													
DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)													
DIVERSION	6	9	12	12	18	22	20	18	19	19	11	14	180
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	6	9	12	12	18	22	20	18	19	19	11	14	180
LAKE MEAD NATIONAL RECREATION AREA													
DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)													
DIVERSION	13	8	16	11	13	18	20	17	17	15	13	12	173
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	13	8	16	11	13	18	20	17	17	15	13	12	173
LOWER COLORADO RIVER DAMS PROJECT													
DIVERSION AT DAVIS DAM													
DIVERSION	7	6	5	3	6	9	4	6	7	11	11	9	84
MEASURED RETURNS	7	6	5	3	6	8	4	6	7	11	11	9	83
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	0	0	0	0	0	1	0	0	0	0	0	0	1
BULLHEAD CITY													
PUMPED FROM WELLS													
DIVERSION	627	523	731	698	929	915	1,023	998	930	751	749	575	9,449
MOHAVE CO. PARKS DIVERSION AT DAVIS DAM													
DIVERSION	0	0	1	3	1	1	1	1	1	0	0	0	9
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	207	173	242	231	307	302	338	330	307	248	247	190	3,122
CONSUMPTIVE USE	420	350	490	470	623	614	686	669	624	503	502	385	6,336
MOHAVE WATER CONSERVATION DISTRICT													
PUMPED FROM WELLS													
DIVERSION	66	69	56	62	78	71	79	82	70	77	60	60	830
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	22	23	18	20	26	23	26	27	23	25	20	20	273
CONSUMPTIVE USE	44	46	38	42	52	48	53	55	47	52	40	40	557
BROOKE WATER LLC													
PUMPED FROM RIVER													
DIVERSION	25	20	23	25	26	32	34	33	33	25	27	26	329
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	8	7	8	8	9	11	11	11	11	8	9	9	110
CONSUMPTIVE USE	17	13	15	17	17	21	23	22	22	17	18	17	219
MOHAVE VALLEY I.D.D.													
PUMPED FROM WELLS													
DIVERSION	981	1,004	1,790	1,941	2,374	2,430	2,340	2,595	2,431	1,616	1,325	402	21,229
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	451	462	823	893	1,092	1,118	1,076	1,194	1,118	743	610	185	9,765
CONSUMPTIVE USE	530	542	967	1,048	1,282	1,312	1,264	1,401	1,313	873	715	217	11,464
FORT MOJAVE INDIAN RESERVATION													
AGRICULTURE - RIVER PUMPS													
DIVERSION	2,555	3,682	6,942	3,688	8,675	12,104	9,742	8,720	3,143	1,788	2,879	782	64,700
DOMESTIC - WELLS ²													
DIVERSION	99	58	62	67	214	38	298	306	280	259	183	130	1,994
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	1,221	1,720	3,222	1,727	4,089	5,585	4,618	4,152	1,575	942	1,409	420	30,680
CONSUMPTIVE USE	1,433	2,020	3,782	2,028	4,800	6,557	5,422	4,874	1,848	1,105	1,653	492	36,014
GOLDEN SHORES WATER CONSERVATION DIST.													
PUMPED FROM WELLS ³													
DIVERSION	20	25	33	36	44	54	58	56	44	37	26	26	459
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	7	8	11	12	15	18	19	18	15	12	9	9	153
CONSUMPTIVE USE	13	17	22	24	29	36	39	38	29	25	17	17	306
HAVASU NATIONAL WILDLIFE REFUGE													
TOPOCK INLET CANAL ⁴													
DIVERSION	1,602	3,297	4,747	3,300	3,130	4,730	3,000	2,220	2,220	719	561	16	29,542
FARM DITCH													
DIVERSION	86	475	1,208	1,884	1,181	1,086	511	398	434	60	0	0	7,323
WELL ³													
DIVERSION	10	11	15	17	20	25	27	26	20	17	12	12	212
MEASURED RETURNS	0	0	10	0	0	0	0	0	0	0	0	0	10
UNMEASURED RETURNS	1,494	3,329	5,245	4,577	3,811	5,140	3,113	2,327	2,353	700	504	25	32,618
CONSUMPTIVE USE	204	454	715	624	520	701	425	317	321	96	69	3	4,449

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
LAKE HAVASU CITY WELLS													
DIVERSION	849	832	969	1,004	1,237	1,329	1,310	1,237	1,220	1,113	962	821	12,883
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	323	316	368	382	470	505	498	470	464	423	366	312	4,897
CONSUMPTIVE USE	526	516	601	622	767	824	812	767	756	690	596	509	7,986
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU													
DIVERSION	186,564	168,959	187,497	179,531	179,210	129,951	34,437	85,226	136,910	31,581	173,912	132,284	1,626,062
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	186,564	168,959	187,497	179,531	179,210	129,951	34,437	85,226	136,910	31,581	173,912	132,284	1,626,062
TOWN OF PARKER PUMPED FROM RIVER WELL ⁵													
DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERSION	50	48	59	63	80	87	83	82	80	76	66	51	825
MEASURED RETURNS	22	20	20	20	22	23	24	20	20	20	19	20	250
UNMEASURED RETURNS	14	14	17	18	23	25	24	23	23	22	19	15	237
CONSUMPTIVE USE	14	14	22	25	35	39	35	39	37	34	28	16	338
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 RIVER PUMPS AND DOMESTIC ⁶													
DIVERSION	30,480	40,220	51,970	59,420	74,240	78,650	75,050	71,040	60,850	41,600	28,690	24,410	636,620
DIVERSION	348	403	536	579	711	841	901	861	711	615	462	424	7,392
MEASURED RETURNS	23,011	21,348	22,477	22,118	21,986	21,669	26,145	27,151	25,502	23,002	22,487	22,811	282,811
UNMEASURED RETURNS	1,696	2,234	2,888	3,300	4,122	4,372	4,177	3,955	3,386	2,322	1,603	1,366	35,421
CONSUMPTIVE USE	6,121	17,041	27,141	34,581	48,843	53,450	45,629	40,795	32,260	14,391	4,547	981	325,780
EHRENBURG IMPROVEMENT ASSOCIATION PUMPED FROM RIVER													
DIVERSION	22	20	24	26	32	34	31	31	28	28	24	21	321
MEASURED RETURNS	2	1	3	2	3	2	3	2	2	2	5	3	30
UNMEASURED RETURNS	6	6	7	7	9	10	9	9	8	8	7	6	92
CONSUMPTIVE USE	14	13	14	17	20	22	19	20	18	18	12	12	199
CIBOLA VALLEY CIBOLA VALLEY I.D.D													
DIVERSION	57	193	379	771	895	844	2,324	1,753	2,945	266	310	128	10,865
DIVERSION	0	0	150	275	431	612	524	154	128	0	0	0	2,274
MOHAVE COUNTY WATER AUTHORITY HOPI TRIBE													
DIVERSION	237	138	336	66	531	808	916	1,123	743	121	0	0	5,019
ARIZONA RECREATIONAL FACILITIES													
DIVERSION	40	248	31	142	414	384	471	402	378	159	0	0	2,669
ARIZONA GAME AND FISH COMMISSION													
DIVERSION	49	257	408	957	259	465	517	269	251	100	0	54	3,586
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	109	238	372	630	721	887	1,354	1,055	1,267	184	88	52	6,957
CONSUMPTIVE USE	274	598	932	1,581	1,809	2,226	3,398	2,646	3,178	462	222	130	17,456
CIBOLA NATIONAL WILDLIFE REFUGE 3 RIVER PUMPS													
DIVERSION	202	707	1091	1219	1543	2137	1961	1682	1684	1481	857	438	15,002
MEASURED RETURNS	0	0	0	0	0	10	9	0	0	0	0	0	19
UNMEASURED RETURNS	77	269	415	463	586	812	745	639	640	563	326	166	5,701
CONSUMPTIVE USE	125	438	676	756	957	1,315	1,207	1,043	1,044	918	531	272	9,282
IMPERIAL NATIONAL WILDLIFE REFUGE 4 RIVER PUMPS													
DIVERSION	124	99	98	138	68	38	46	103	278	0	0	0	992
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	47	38	37	52	26	14	17	39	106	0	0	0	376
CONSUMPTIVE USE	77	61	61	86	42	24	29	64	172	0	0	0	616
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS													
DIVERSION	1	3	0	0	2	1	5	2	0	3	0	0	17
DIVERSION	35	23	25	39	32	75	79	62	57	40	41	26	534
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	36	26	25	39	34	76	84	64	57	43	41	26	551
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM ⁷													
DIVERSION	495	578	856	966	1,386	860	393	535	558	771	520	325	8,243
MEASURED RETURNS	33	34	39	44	58	30	19	21	24	32	22	29	385
UNMEASURED RETURNS	188	220	325	367	527	327	149	203	212	293	198	124	3,133
CONSUMPTIVE USE	274	324	492	555	801	503	225	311	322	446	300	172	4,725

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
WELLTON MOHAWK I.D.D. DIVERSION AT IMPERIAL DAM													
DIVERSION	18,760	23,860	39,175	44,249	45,311	43,351	41,623	37,296	33,207	33,887	20,914	16,221	397,854
GGMC RETURN	1,402	1,549	2,001	2,269	2,109	1,712	2,209	1,649	1,611	1,567	990	1,611	20,679
DOME RETURN	482	368	409	446	335	236	266	272	238	376	395	332	4,155
MOD RETURN ⁸	9,860	9,060	9,460	8,960	9,500	9,330	9,430	9,920	10,170	10,010	9,830	10,100	115,630
TOTAL RETURNS	11,744	10,977	11,870	11,675	11,944	11,278	11,905	11,841	12,019	11,953	11,215	12,043	140,464
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	7,016	12,883	27,305	32,574	33,367	32,073	29,718	25,455	21,188	21,934	9,699	4,178	257,390
CITY OF YUMA DIVERSION AT IMPERIAL DAM (AAC)	1,002	1,038	1,160	1,190	1,415	1,541	1,722	1,661	1,536	1,555	1,378	1,157	16,355
DIVERSION AT IMPERIAL DAM (GGMC)	898	873	1,003	538	591	583	483	544	484	477	607	558	7,639
PUMP DIVERSION FOR YUMA EAST WETLANDS	9	10	35	65	88	103	93	91	67	30	10	7	608
MEASURED RETURNS	854	817	847	714	749	767	840	836	844	875	844	886	9,873
UNMEASURED RETURNS	3	4	12	23	31	36	33	32	24	11	4	2	215
CONSUMPTIVE USE	1,052	1,100	1,339	1,056	1,314	1,424	1,425	1,428	1,219	1,176	1,147	834	14,514
MARINE CORPS AIR STATION YUMA DIVERSION AT IMPERIAL DAM													
DIVERSION	78	70	96	141	143	155	164	172	138	121	86	64	1,428
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	78	70	96	141	143	155	164	172	138	121	86	64	1,428
UNION PACIFIC RAILROAD DIVERSION AT IMPERIAL DAM													
DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	2	2	2	2	2	2	2	2	2	2	2	2	24
CONSUMPTIVE USE	2	2	2	2	2	2	2	2	2	2	2	2	24
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM													
DIVERSION	77	47	44	80	78	82	79	74	66	73	33	33	766
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	77	47	44	80	78	82	79	74	66	73	33	33	766
YUMA UNION HIGH SCHOOL DISTRICT DIVERSION AT IMPERIAL DAM													
DIVERSION	7	6	13	6	22	25	26	26	11	16	25	17	200
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	2	2	3	2	6	6	7	7	3	4	6	4	52
CONSUMPTIVE USE	5	4	10	4	16	19	19	19	8	12	19	13	148
DESERT LAWN MEMORIAL PARK DIVERSION AT IMPERIAL DAM													
DIVERSION	0	5	0	13	0	28	0	31	0	25	0	25	127
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	2	0	4	0	8	0	9	0	8	0	8	39
CONSUMPTIVE USE	0	3	0	9	0	20	0	22	0	17	0	17	88
NORTH GILA VALLEY I.D.D. DIVERSION AT IMPERIAL DAM ⁹													
DIVERSION	2,563	3,022	4,170	4,424	5,567	5,225	4,604	2,738	3,527	4,639	3,511	2,509	46,499
MEASURED RETURNS	1,890	1,979	2,412	2,583	2,930	2,961	2,641	1,686	2,144	2,953	2,292	2,021	28,492
UNMEASURED RETURNS	351	414	571	606	763	716	631	375	483	636	481	344	6,371
CONSUMPTIVE USE	322	629	1,187	1,235	1,874	1,548	1,332	677	900	1,050	738	144	11,636
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM ^{9,10} PUMPED FROM PRIVATE WELLS ¹¹													
DIVERSION	3,539	4,874	6,935	7,749	9,118	7,285	4,710	6,716	5,974	6,120	4,365	3,425	70,810
DIVERSION	72	95	114	176	88	59	60	45	63	34	25	7	838
MEASURED RETURNS	1,108	1,311	1,664	1,913	2,160	1,701	1,122	1,581	1,500	1,534	1,114	1,192	17,900
UNMEASURED RETURNS	769	1,058	1,501	1,688	1,961	1,564	1,016	1,440	1,286	1,311	935	731	15,260
CONSUMPTIVE USE	1,734	2,600	3,884	4,324	5,085	4,079	2,632	3,740	3,251	3,309	2,341	1,509	38,488
YUMA MESA I.D.D. DIVERSION AT IMPERIAL DAM ⁹													
DIVERSION	11,176	11,836	14,744	18,575	23,750	23,633	22,685	24,876	16,007	17,273	10,270	8,836	203,661
MEASURED RETURNS	4,652	5,795	6,919	4,305	2,162	3,425	4,638	5,508	6,486	1,291	949	1,164	47,294
UNMEASURED RETURNS	1,788	1,894	2,359	2,972	3,800	3,781	3,630	3,980	2,561	2,764	1,643	1,414	32,586
CONSUMPTIVE USE	4,736	4,147	5,466	11,298	17,788	16,427	14,417	15,388	6,960	13,218	7,678	6,258	123,781

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
UNIT "B" IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM													
DIVERSION	1,475	1,531	1,956	2,395	2,984	3,160	3,046	3,396	2,013	2,615	1,845	1,350	27,766
MEASURED RETURNS	771	974	1,177	699	306	550	750	913	1,091	201	169	178	7,779
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	704	557	779	1,696	2,678	2,610	2,296	2,483	922	2,414	1,676	1,172	19,987
FORT YUMA INDIAN RESERVATION													
DIVERSIONS FOR YUMA EAST WETLANDS													
DIVERSION	25	26	55	93	132	157	140	129	87	50	25	17	936
RANCH "5" LANDS, YUMA ISLAND, AZ													
DOMESTIC													
DIVERSION	0	0	0	50	80	118	56	69	38	28	75	14	528
DIVERSION	3	2	2	3	3	3	4	2	2	2	2	2	30
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	10	10	20	52	76	98	71	71	45	28	36	12	528
CONSUMPTIVE USE	18	18	37	94	139	180	129	129	82	52	66	21	966
YUMA COUNTY WATER USERS' ASSOCIATION													
DIVERSION AT IMPERIAL DAM													
PUMPED FROM WELLS													
DIVERSION	19,264	22,949	41,151	47,674	43,191	30,627	38,422	23,426	26,056	38,217	29,307	14,957	375,241
DIVERSION	110	128	0	239	270	230	259	184	0	131	203	264	2,018
MEASURED RETURNS	8,947	8,564	8,841	9,589	10,674	9,161	10,895	9,117	7,993	13,516	14,158	11,826	123,281
UNMEASURED RETURNS	407	485	864	1,006	913	648	812	496	547	805	620	320	7,923
CONSUMPTIVE USE	10,020	14,028	31,446	37,318	31,874	21,048	26,974	13,997	17,516	24,027	14,732	3,075	246,055
COCOPA INDIAN RESERVATION													
DIVERSION AT IMPERIAL DAM													
PUMPED FROM WELLS ¹²													
DIVERSION	44	242	417	418	1,142	579	1,194	938	346	201	47	0	5,568
DIVERSION	134	168	228	248	308	369	406	390	301	253	180	176	3,161
MEASURED RETURNS	1	5	7	4	14	20	51	50	16	9	2	0	179
UNMEASURED RETURNS	61	139	219	226	493	322	544	452	220	154	77	60	2,967
CONSUMPTIVE USE	116	266	419	436	943	606	1,005	826	411	291	148	116	5,583
RECLAMATION - YUMA AREA OFFICE													
WELL													
DIVERSION	6	0	0	0	0	0	0	0	3	9	0	0	18
MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSUMPTIVE USE	6	0	0	0	0	0	0	0	3	9	0	0	18
PUMPED FROM SOUTH GILA WELLS (DPOC'S) ¹³													
MEASURED RETURNS	4,798	5,522	5,030	5,379	5,573	6,081	5,182	6,010	5,690	84	4,550	0	53,899
UNMEASURED RETURNS	-4,798	-5,522	-5,030	-5,379	-5,573	-6,081	-5,182	-6,010	-5,690	-84	-4,550	0	-53,899
RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO													
RIVER AND WELLS IN FLOOD PLAIN DAVIS ¹⁴													
DAM TO INTERNATIONAL BOUNDARY													
DIVERSION	1,115	1,279	2,273	2,565	2,900	3,001	2,696	2,691	2,099	1,840	1,350	1,284	25,093
MEASURED RETURNS	11	11	13	15	19	10	6	7	8	11	8	10	129
UNMEASURED RETURNS	394	448	801	905	1,022	1,061	958	955	742	653	474	450	8,863
CONSUMPTIVE USE	710	820	1,459	1,645	1,859	1,930	1,732	1,729	1,349	1,176	868	824	16,101
ARIZONA TOTALS													
DIVERSION	286,011	293,980	373,645	387,838	414,965	358,969	258,681	285,537	308,499	190,948	285,963	211,973	3,657,009
MEASURED RETURNS	57,851	57,364	61,334	59,063	58,606	57,696	64,234	64,749	63,759	57,994	58,360	51,868	712,878
UNMEASURED RETURNS	4,859	7,993	15,320	14,794	19,327	21,310	18,696	16,261	11,731	12,785	5,143	6,246	154,464
CONSUMPTIVE USE	223,301	228,623	296,991	313,981	337,032	279,963	175,751	204,527	233,009	120,169	222,460	153,859	2,789,667

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
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- ¹ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.
- ² Diversion amounts include deliveries to the Fort Mojave Indian Reservation from the City of Needles, CA.
- ³ Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.
- ⁴ Havasu NWR diversions include diversions via the Topock Marsh inlet canal and the Fire Break canal.
- ⁵ The Town of Parker diversion amounts have been adjusted for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.
- ⁶ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.
- ⁷ Use for lands leased from ASLD by Gila Monster Farms has been deducted.
- ⁸ Main Outlet Drain return flow credit is measured flow at Station 0+00. For those comparing this return value to the "Water Bypassed Pursuant to Minute 242 of the IBWC", differences can result from a combination of transmission loss, DPOC and Yuma Mesa Conduit discharges into the MODE, and MODE water that may have been desalinated and used. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.
- ⁹ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation and Drainage District, the Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District is as follows:

<u>Item</u>	<u>Annual Totals</u>
Diversion at Imperial Dam ^A	320,970
Pumped from wells	838
Total Diversions	321,808
Surface returns from South Gila Valley (South Gila Canal Terminal Wasteway)	3,076
Return flow North Gila Valley (6 drains and wasteways)	9,386
Total Yuma Mesa Division Unmeasured Returns	54,217
Return flow Yuma Mesa Outlet Drain ^B	14,947
Return flow Protective and Regulatory Pumping Unit ^C	18,077
Estimated unmeasured groundwater return flow ^D	27,583
Return flow share of Gila Gravity Main Canal loss ^E	20,618
Total Return Flow	147,904
Consumptive Use (see note above)	173,904

- ^A Total for the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and Yuma Mesa Irrigation and Drainage District.
- ^B Estimated at 85 percent of the Yuma Mesa Outlet Drain with the balance credited to the Unit B Irrigation District.
- ^C Estimated at 85 percent of Protective and Regulatory Pumping Unit with the balance credited to the Unit B Irrigation District.
- ^D Estimated at 38 percent of the North Gila Valley I.D.D. diversion at Imperial Dam plus 14 percent of Yuma Irrigation District's diversion at Imperial Dam. This calculation is based on an analysis of the USGS Report 83-4220.
- ^E Diversion times a mileage weighted share of Gila Gravity Main Canal loss, less canal surface evaporation (1,397 af/yr), and phreatophytes (2,154 af/yr).

- ¹⁰ Diversion values have been reduced for those users (Ogram Boys' Enterprises, G Ogram, and ASLD) who take deliveries outside District boundaries. Those diversions appear in the Arizona Supplemental section.
- ¹¹ Diversion and return values include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation; others are pumped to control groundwater elevation.
- ¹² Diversion amounts include pumpage from AEW-15,16 and the Cocopah Bend R.V. Park. The diversions reported on this line include deliveries to the Cocopah Tribe's Trust and Fee lands in PPR-7.
- ¹³ Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.
- ¹⁴ Details may be found in the Art. V(B) Arizona Supplemental Tabulation.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13		(Values are in acre-feet)												
WATER USER	USGS # ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company		0	0	1	1	2	2	2	2	2	1	1	0	14
SUBTOTAL, LEE FERRY TO DAVIS DAM ²														
	DIVERSION	0	0	1	1	2	2	2	2	2	1	1	0	14
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	1	1	1	1	1	0	0	0	5
	CONSUMPTIVE USE	0	0	1	1	1	1	1	1	1	1	1	0	9
Maurice McAlister (River Intake)		0	0	1	1	1	1	1	1	1	1	1	1	10
Crystal Beach Water Conservation District		7	7	8	9	10	10	11	10	9	8	8	7	104
EPCOR (formerly Arizona-American Water Company)		59	57	63	58	64	82	78	70	83	59	64	54	791
Arizona State Parks (Windsor Beach)		2	1	1	2	1	4	3	3	2	3	2	2	26
SUBTOTALS, DAVIS DAM TO PARKER DAM ²														
	DIVERSION	68	65	73	70	76	97	93	84	95	71	75	64	931
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	24	22	25	24	26	35	33	31	33	25	26	22	326
	CONSUMPTIVE USE	44	43	48	46	50	62	60	53	62	46	49	42	605
Hillcrest Water Company		1	1	1	1	1	2	2	2	1	1	1	1	15
Springs Del Sol Domestic Water Improvement District		0	0	0	0	0	0	1	1	1	0	0	0	3
Rayner Ranches (Jack Rayner Jr.)	AEP-9	154	192	262	283	346	420	458	441	347	290	206	203	3,602
Arizona State Land Department (domestic)		1	1	1	3	3	3	3	2	2	1	1	1	22
Arizona State Land Department (agricultural)	ADP-6	22	36	201	186	269	436	398	321	141	58	32	46	2,146
North Baja Pipeline (TransCanada)		12	21	27	23	29	41	43	38	32	15	1	0	282
BLM Permittees (LHFO & YFO)		53	47	116	78	86	133	104	113	65	121	65	61	1,042
Fisher's Landing Water and Sewer LLC		2	1	2	2	2	2	2	2	1	1	1	1	19
Shepard Water Company		2	1	2	2	1	2	2	2	2	2	3	2	23
SUBTOTALS, PARKER DAM TO IMPERIAL DAM ²														
	DIVERSION	247	300	612	578	737	1,039	1,013	922	592	489	310	315	7,154
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	87	103	217	203	257	365	356	323	207	172	107	108	2,505
	CONSUMPTIVE USE	160	197	395	375	480	674	657	599	385	317	203	207	4,649
JRJ Partners LLC (aka Bard Date Gardens)	AEP-1, AEW-3	52	30	99	121	115	72	118	113	36	102	109	104	1,071
Cha Cha (Befra Farming LLC)	AEP-2/3, AEW-4/5, ADW-3	96	107	161	182	251	288	214	227	176	55	76	49	1,882
Beattie Farms Southwest (Russell Youmans) ³	ADW-2	67	83	113	123	150	140	153	169	143	87	37	80	1,345
BLM Permittees (YFO)		0	3	6	15	11	10	8	9	5	6	0	3	76
L. Pratt ³		13	16	22	23	29	35	38	36	29	24	17	17	299
George Ogram ⁴	AEW-9	8	24	73	95	78	52	60	25	0	42	8	13	478
Ogram Boys' Enterprises ⁴		33	56	154	276	186	81	33	26	26	22	13	16	922
John Peach ³	AEW-12	14	18	25	27	32	39	43	41	32	27	19	19	336
Arizona Public Service Company (Yucca Power Plant)		7	15	24	47	68	65	60	81	53	33	5	4	462
BLM (farmed by Monty Lee) ³	AEW-14, ADP-1	13	16	22	23	29	35	38	37	29	24	17	17	300
Curry Family Limited ³	AEP-4, ADP-2	9	11	15	16	19	23	26	25	19	16	11	11	201
Power ³	ADP-3/4	17	21	29	31	38	47	51	49	38	32	23	23	399
Griffin Ranches ³		12	15	20	22	27	33	35	34	27	22	16	16	279
Milton Phillips ³		6	8	10	11	14	17	18	18	14	12	8	8	144
Victor Power ³		3	3	4	5	6	7	8	7	6	5	3	3	60
Gary Pasquini	ADP-5	13	15	24	18	23	44	12	35	153	25	26	27	415
Arizona State Land Department (agricultural) ⁴		437	473	786	881	1,009	875	673	751	624	745	576	495	8,325
SUBTOTALS, BELOW IMPERIAL DAM ²														
	DIVERSION	800	914	1,587	1,916	2,085	1,863	1,588	1,683	1,410	1,279	964	905	16,994
	MEASURED RETURNS	11	11	13	15	19	10	6	7	8	11	8	10	129
	UNMEASURED RETURNS	283	323	559	678	738	660	568	600	501	456	341	320	6,027
	CONSUMPTIVE USE	506	580	1,015	1,223	1,328	1,193	1,014	1,076	901	812	615	575	10,838
TOTAL ARIZONA SUPPLEMENTAL TABULATION ²														
	DIVERSION	1,115	1,279	2,273	2,565	2,900	3,001	2,696	2,691	2,099	1,840	1,350	1,284	25,093
	MEASURED RETURNS	11	11	13	15	19	10	6	7	8	11	8	10	129
	UNMEASURED RETURNS	394	448	801	905	1,022	1,061	958	955	742	653	474	450	8,863
	CONSUMPTIVE USE	710	820	1,459	1,645	1,859	1,930	1,732	1,729	1,349	1,176	868	824	16,101

Foot notes:

¹ References such as AEW/ADP/AEP are defined on page 1, "Acronyms and Abbreviated Terms".

² Monthly and annual totals rounded and displayed to the nearest whole number.

³ Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.

⁴ George Ogram, Ogram Boys' Enterprises, and some ASLD lands have water delivered (wheeled) to them by YID from the GGMC.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF CALIFORNIA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
FORT MOJAVE INDIAN RESERVATION														
AGRICULTURAL - RIVER PUMPS ²	DIVERSION	600	1,090	1,682	1,160	1,671	2,180	1,286	1,532	545	1,557	1,451	1,028	15,782
DOMESTIC - WELLS ²	DIVERSION	3	3	4	5	6	8	7	7	5	4	3	2	57
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	279	505	779	538	775	1,011	597	711	254	721	672	476	7,318
	CONSUMPTIVE USE	324	588	907	627	902	1,177	696	828	296	840	782	554	8,521
CITY OF NEEDLES														
WELLS ³	DIVERSION	122	125	151	194	248	249	241	239	161	201	170	126	2,227
	MEASURED RETURNS	26	24	27	25	26	24	28	29	27	29	25	25	315
	UNMEASURED RETURNS	2	2	3	2	2	2	2	3	2	3	2	2	27
	CONSUMPTIVE USE	94	99	121	167	220	223	211	207	132	169	143	99	1,885
CHEMEHUEVI INDIAN RESERVATION														
PUMPED FROM RIVER AND WELLS	DIVERSION	13	13	13	13	15	19	17	16	14	14	13	10	170
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	6	6	6	6	7	9	8	6	6	6	6	5	78
	CONSUMPTIVE USE	7	7	7	7	8	10	9	9	8	8	7	5	92
METROPOLITAN WATER DISTRICT														
DIVERSION FROM LAKE HAVASU	DIVERSION	54,645	49,143	21,531	97,207	100,058	96,743	101,162	100,235	74,027	14,589	14,103	15,574	739,017
	MEASURED RETURNS	305	253	257	254	249	202	215	229	213	203	249	269	2,898
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	54,340	48,890	21,274	96,953	99,809	96,541	100,947	100,006	73,814	14,386	13,854	15,305	736,119
PARKER DAM AND GOVERNMENT CAMP														
DIVERSION AT PARKER DAM ³	DIVERSION	6	5	3	9	9	9	10	13	13	14	8	8	107
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	6	5	3	9	9	9	10	13	13	14	8	8	107
COLORADO RIVER INDIAN RESERVATION														
RIVER PUMPS AND WELLS	DIVERSION	202	253	345	373	455	553	603	580	456	382	271	267	4,740
BIG RIVER - WELLS	DIVERSION	41	44	55	57	74	78	74	69	70	57	46	38	703
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	101	124	167	179	220	263	282	271	219	183	132	127	2,268
	CONSUMPTIVE USE	142	173	233	251	309	368	395	378	307	256	185	178	3,175
CITY OF WINTERHAVEN														
1 WELL	DIVERSION	8	8	9	8	8	9	9	9	8	8	9	9	102
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	3	3	3	3	3	3	3	3	3	3	3	3	36
	CONSUMPTIVE USE	5	5	6	5	5	6	6	6	5	5	6	6	66
PALO VERDE IRRIGATION DISTRICT														
DIVERSION FROM PALO VERDE DAM	DIVERSION	31,670	58,190	75,670	72,970	100,400	104,200	93,600	100,800	90,290	73,870	51,030	41,190	893,880
	MEASURED RETURNS	28,500	32,285	37,705	35,728	40,601	41,586	45,419	45,958	46,092	46,725	41,127	39,872	481,598
	UNMEASURED RETURNS	1,774	3,259	4,238	4,086	5,622	5,835	5,242	5,645	5,056	4,137	2,858	2,307	50,059
	CONSUMPTIVE USE	1,396	22,646	33,727	33,156	54,177	56,779	42,939	49,197	39,142	23,008	7,045	-989	362,223
YUMA PROJECT RESERVATION DIVISION, INDIAN UNIT														
DIVERSION AT IMPERIAL DAM	DIVERSION	2,350	2,631	5,977	6,112	4,907	2,898	2,774	4,405	2,103	4,454	3,437	3,395	45,443
DOMESTIC ⁴	DIVERSION	34	42	58	63	76	93	101	97	77	64	45	45	795
	MEASURED RETURNS	40	45	88	45	50	77	98	188	90	180	142	62	1,105
	UNMEASURED RETURNS	392	439	998	1,021	819	484	463	736	351	744	574	567	7,588
YUMA PROJECT RESERVATION DIVISION, BARD UNIT														
DIVERSION AT IMPERIAL DAM	DIVERSION	2,624	3,421	5,746	6,569	5,431	4,065	4,402	5,292	3,899	5,067	3,816	397	50,729
	MEASURED RETURNS	26	30	47	27	32	68	97	144	86	108	94	6	765
	UNMEASURED RETURNS	438	571	960	1,097	907	679	735	884	651	846	637	66	8,471
RETURNS FROM YUMA PROJECT														
RESERVATION DIVISION ⁵	MEASURED RETURNS	2,200	2,082	2,323	2,710	2,252	2,407	2,494	2,794	2,990	2,952	2,839	2,524	30,567
SUM, YUMA PROJECTS RESERVATION DIVISION USE	CONSUMPTIVE USE	1,912	2,927	7,365	7,844	6,354	3,341	3,390	5,048	1,911	4,755	3,012	612	48,471

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF CALIFORNIA

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(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
IMPERIAL IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	146,018	175,122	282,788	332,230	334,585	316,965	303,373	244,271	240,452	243,470	166,409	111,919	2,897,602
	MEASURED RETURNS	4,375	4,766	6,840	3,888	5,619	14,955	17,620	17,627	15,154	15,088	11,162	4,148	121,242
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERY FROM WARREN H. BROCK RESERVOIR ⁵	CONSUMPTIVE USE	11,937	11,167	15,065	10,844	9,287	6,359	10,173	17,219	10,828	10,503	9,693	3,781	126,856
IID TOTAL CONSUMPTIVE USE	CONSUMPTIVE USE	153,580	181,523	291,013	339,186	338,253	308,369	295,926	243,863	236,126	238,885	164,940	111,552	2,903,216
WATER TRANSFERRED TO SDCWA ⁷	DIVERSION	0	0	0	0	0	0	0	0	6,131	8,702	0	1,248	16,081
	MEASURED RETURNS	0	0	0	0	0	0	0	0	386	539	0	46	971
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	5,745	8,163	0	1,202	15,110
COACHELLA VALLEY WATER DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	16,517	20,569	26,380	30,699	36,418	35,546	36,480	36,699	28,650	29,301	28,326	19,338	344,923
	MEASURED RETURNS	495	560	638	359	612	1,677	2,119	2,648	1,806	1,816	1,900	717	15,347
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	16,022	20,009	25,742	30,340	35,806	33,869	34,361	34,051	26,844	27,485	26,426	18,621	329,576
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN ⁸														
DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION	588	723	973	1,185	1,467	1,851	1,846	1,808	1,377	1,157	948	795	14,718
	MEASURED RETURNS	9	11	15	16	20	24	27	25	20	17	12	12	208
	UNMEASURED RETURNS	249	311	421	509	635	804	799	780	597	497	409	342	6,353
	CONSUMPTIVE USE	330	401	538	660	811	1,023	1,020	1,003	760	643	527	441	8,157
CALIFORNIA TOTALS	DIVERSION	255,441	311,382	421,385	548,854	585,828	565,466	545,985	496,072	448,278	382,911	270,085	195,389	5,027,076
	MEASURED RETURNS	35,976	40,056	47,940	43,052	49,461	61,020	68,117	69,642	66,864	67,657	57,550	47,681	655,016
	UNMEASURED RETURNS	3,244	5,220	7,575	7,441	8,990	9,090	8,131	9,040	7,139	7,140	5,293	3,895	82,198
	CONSUMPTIVE USE	228,158	277,273	380,935	509,205	536,664	501,715	479,910	434,609	385,103	318,617	216,935	147,594	4,416,718

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

¹ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

² Diversion amounts include any deliveries to the Fort Mojave Indian Reservation by the City of Needles.

³ All or a portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.

⁴ These values represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the Reservation.

⁵ Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.

⁶ Colorado River water captured in the Warren H. Brock Reservoir and delivered to IID as consumptive use. Flow measurement is made at the Brock Reservoir outlet channel station 21+36.

⁷ This entry represents water to be conserved by IID and transferred to SDCWA for Salton Sea mitigation, in accordance with the CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended.

⁸ Details may be found in the Article V(B) California Supplemental Tabulation.

CALIFORNIA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2012
STATE OF CALIFORNIA

05/15/13

(Values are in acre-feet)

WATER USER	USGS# ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Southern California Gas ²	CEW-21	3	4	5	5	6	8	9	8	7	5	4	4	68
Pacific Gas & Electric Company ²		9	11	15	16	20	24	27	26	20	17	12	12	209
Havasu Water Company ²	Needles report	3	3	4	5	6	7	8	7	6	5	3	3	60
Vista Del Lago ²	Needles report	1	1	1	1	1	2	2	2	1	1	2	1	16
Wells reported under non-Federal subcontracts to LCWSP ²	Needles report	13	16	22	23	28	35	37	36	28	24	17	17	296
SUBTOTALS, DAVIS DAM TO PARKER DAM ³	DIVERSION	29	35	47	50	61	76	83	79	62	52	38	37	649
	MEASURED RETURNS ⁴	9	11	15	16	20	24	27	25	20	17	12	12	208
	UNMEASURED RETURNS	6	7	11	11	13	18	19	18	15	12	9	9	148
	CONSUMPTIVE USE	14	17	22	23	27	34	37	36	27	23	17	16	293
Wetmore, Kenneth C.		0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.		0	0	0	0	0	0	1	0	0	0	0	0	1
Williams, Jerry		0	0	0	0	0	0	1	0	0	0	0	0	1
Carney, Jerome D.		0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.		0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch (C.L. Lye) ²	CEW-16	0	0	0	0	0	0	0	0	0	0	0	0	0
BLM Permittees (LHFO & YFO) ^{2,5}		27	24	17	41	25	52	48	45	28	36	27	25	395
SUBTOTALS, PARKER DAM TO IMPERIAL DAM ³	DIVERSION	27	24	18	42	27	54	53	47	30	37	28	25	412
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	6	6	4	10	7	14	13	12	9	8	6	5	100
	CONSUMPTIVE USE	21	18	14	32	20	40	40	35	21	29	22	20	312
FORT YUMA INDIAN RESERVATION - CA														
Living Earth Farm ⁶	CEW-2, CDP-3	45	56	76	83	101	122	134	128	101	85	60	59	1,050
MivCo Packing ⁶	CEW-14	39	49	66	72	88	106	116	112	88	74	52	51	913
Valdez, Mike ⁶	CDP-1,2, CEW-01, CEW-15	64	80	110	118	145	176	192	185	145	121	86	85	1,507
Ranch "5" Lands, Yuma Island, CA ⁷	AAC diversion	0	0	0	112	179	265	125	156	85	63	169	32	1,186
Huerta Packing ⁶	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON FYIR, CALIFORNIA ³	DIVERSION	148	185	252	385	513	669	567	581	419	343	367	227	4,656
SUM OF UNMEASURED RETURNS, FYIR CALIFORNIA	UNMEASURED RETURNS	66	83	113	172	229	301	254	259	187	153	163	101	2,081
YUMA ISLAND - CALIFORNIA														
Arizona State Land Department Lessees:														
Curtis Family Trust ⁶	AEP-02, AEP-03, AEW-04, AEW-05, ADV	6	8	11	12	15	18	19	19	15	12	9	8	152
Martin Family Trust ⁶	CEP-01,02, CDW-07	32	40	55	59	72	88	96	92	72	61	43	42	752
Billy Turner ⁶	CDW-5, CEW-7	10	12	17	18	22	26	29	28	22	18	13	13	228
Leroy Heile ⁶	CDW-8 (CEW-12)	87	108	148	159	195	237	258	248	195	163	116	114	2,028
Griffin Produce Company ⁶	CDW-2	24	29	40	44	53	65	70	68	53	45	32	31	554
Perez Family Trust ⁶	CEW-9	17	21	29	32	39	47	51	49	39	33	23	23	403
Clifford Winton Jr. ^{6,8}	CEW-13	12	15	20	22	27	33	35	34	27	22	16	16	279
Clara Jean Wilson ^{6,8}		8	10	14	15	18	22	24	23	18	15	11	11	189
Robert E. Harp ^{6,8}		59	74	101	109	134	162	177	170	134	112	79	78	1,389
K.H. Easterday ⁶		47	59	81	87	106	129	141	135	106	89	63	62	1,105
Richard Lee Wilson ⁶		8	10	13	14	18	22	23	23	18	15	11	10	185
Dees, Alex ⁶		48	60	82	88	108	131	142	137	108	90	64	63	1,121
Mike Palmer (L.O. Power) ⁶		26	33	45	49	59	72	78	75	59	50	35	35	616
SUM OF PUMPING ON THE YUMA ISLAND CALIFORNIA ³	DIVERSION	384	479	656	708	866	1,052	1,143	1,101	866	725	515	506	9,001
SUM OF UNMEASURED RETURNS FROM YUMA ISLAND CALIFORNIA	UNMEASURED RETURNS	171	215	293	316	386	471	513	491	386	324	231	227	4,024
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	DIVERSION	532	664	908	1,093	1,379	1,721	1,710	1,682	1,285	1,068	882	733	13,657
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	237	298	406	488	615	772	767	750	573	477	394	328	6,105
	CONSUMPTIVE USE	295	366	502	605	764	949	943	932	712	591	488	405	7,552
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION	DIVERSION	588	723	973	1,185	1,467	1,851	1,846	1,808	1,377	1,157	948	795	14,718
	MEASURED RETURNS	9	11	15	16	20	24	27	25	20	17	12	12	208
	UNMEASURED RETURNS	249	311	421	509	635	804	799	780	597	497	409	342	6,353
	CONSUMPTIVE USE	330	401	538	660	811	1,023	1,020	1,003	760	643	527	441	8,157

CALIFORNIA SUPPLEMENTAL TABULATION
 CALENDAR YEAR 2012
 STATE OF CALIFORNIA

05/15/13

(Values are in acre-feet)

WATER USER	USGS# ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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Footnotes:

- ¹References such as CDW/CDP/CEP are defined on page 1, "Acronyms and Abbreviated Terms."
- ²Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.
- ³Monthly and annual totals rounded to the nearest whole number.
- ⁴This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.
- ⁵At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA. Some BLM lessees have very limited returns due to evaporation ponds and low application rates.
- ⁶Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.
- ⁷Surface water diversions from the AAC via the Bard Water District to Ranch 5 lands within Arizona and California. Diversion calculated by prorating total measured delivery by irrigated acreage in each state.
- ⁸Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated using the methodology annotated in footnote 6 above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF NEVADA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	2	2	3	2	2	2	3	3	3	3	2	2	29
	MEASURED RETURNS	2	1	2	2	2	2	2	2	2	2	2	1	22
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	1	1	0	0	0	1	1	1	1	0	1	7
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	25,863	24,920	31,051	33,813	43,531	40,277	43,231	40,294	32,425	37,088	29,682	25,678	407,853
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	27	28	30	31	38	41	48	50	43	40	26	25	427
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	27	28	30	31	38	41	48	50	43	40	26	25	427
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	10	12	10	11	14	17	15	15	13	13	13	8	151
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	10	12	10	11	14	17	15	15	13	13	13	8	151
BASIC WATER COMPANY														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	395	577	518	423	501	525	464	459	467	405	380	441	5,555
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	395	577	518	423	501	525	464	459	467	405	380	441	5,555
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	734	714	1,577	1,556	1,661	1,933	1,178	928	1,259	956	1,182	1,237	14,915
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	734	714	1,577	1,556	1,661	1,933	1,178	928	1,259	956	1,182	1,237	14,915
NEVADA DEPARTMENT OF FISH AND GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	13	12	24	17	16	16	24	25	23	24	25	25	244
	MEASURED RETURNS	12	11	23	17	15	15	23	24	23	23	24	24	234
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	0	1	1	1	1	0	1	1	1	10
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	57	66	53	57	73	59	76	78	90	88	77	90	864
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	57	66	53	57	73	59	76	78	90	88	77	90	864
BIG BEND WATER DISTRICT														
	DIVERSION	307	306	381	372	464	457	476	468	413	388	336	278	4,646
	MEASURED RETURNS	151	147	167	178	177	185	213	211	183	182	158	147	2,099
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	156	159	214	194	287	272	263	257	230	206	178	131	2,547
BIG BEND CONSERVATION AREA														
	DIVERSION	0	0	0	0	0	1	2	0	0	0	0	0	3
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	1	2	0	0	0	0	0	3
FORT MOJAVE INDIAN RESERVATION														
2 WELLS	DIVERSION	188	247	202	313	545	616	629	586	736	217	321	70	4,670
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	62	82	67	103	180	203	208	193	243	72	106	23	1,542
	CONSUMPTIVE USE	126	165	135	210	365	413	421	393	493	145	215	47	3,128
LAS VEGAS WASH RETURN FLOWS ²	RETURNS	18,445	15,908	17,103	15,511	15,418	14,535	16,338	18,246	15,956	18,071	16,348	16,420	198,299

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF NEVADA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
NEVADA TOTALS														
	DIVERSION	27,596	26,884	33,849	36,595	46,845	43,944	46,146	42,906	35,472	39,222	32,044	27,854	439,357
	MEASURED RETURNS	18,610	16,067	17,295	15,708	15,612	14,737	16,576	18,483	16,164	18,278	16,532	16,592	200,654
	UNMEASURED RETURNS	62	82	67	103	180	203	208	193	243	72	106	23	1,542
	CONSUMPTIVE USE	8,924	10,735	16,487	20,784	31,053	29,004	29,362	24,230	19,065	20,872	15,406	11,239	237,161
GROUNDWATER INJECTED STORAGE ³														
LAS VEGAS VALLEY WATER DISTRICT	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	67	183	138	56	444
CITY OF NORTH LAS VEGAS	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

Footnotes:

¹ Totals may differ from the sum of the monthly values due to rounding to the nearest acre-foot.

² Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated December 12, 2007.

³ Nevada Injected Storage Balance:

Beginning of Year Cumulative Injected Storage ^{3.1}	361,695
Plus Current Year Additions	0
Minus Current Year Withdrawals	444
End of Year Cumulative Injected Storage	361,251

^{3.1} Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
*ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)***

The following tabulations for calendar year 2012 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was computed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those that divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

The "Delivered to Mexico in Excess of Treaty" values displayed in this section of the report reflect only the water over delivered to Mexico, according to IBWC's schedule, resulting from water that had been ordered but not diverted. The "To Mexico in Excess of Treaty" values displayed in the Article V (D) section reflect all water under/over delivered to Mexico according to IBWC's schedule. No comparison between the two sections should be made.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13	(Values are in acre-feet)												
WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	354	910	897	-769	-40	451	-222	3,415	3,198	-67	673	-8,322	478
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	354	910	897	-769	-40	451	-222	3,415	3,198	-67	673	-8,322	478
DELIVERED TO MEXICO IN													
EXCESS OF TREATY													
COLORADO RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK													
ORDERED BUT NOT DIVERTED	1,660	2,374	3,640	3,332	2,551	2,573	2,866	4,385	2,801	4,917	1,950	1,785	34,834
DELIVERED TO MEXICO IN	697	1,154	1,747	902	857	399	700	1,562	1,510	1,466	924	315	12,232
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	470	956	1,482	1,828	1,269	1,893	801	1,971	856	1,854	784	431	14,595
DELIVERED TO STORAGE ¹	453	232	359	338	224	219	661	710	333	486	142	138	4,294
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	40	32	52	265	201	61	705	141	103	1,111	101	902	3,714
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	799	534	882	308	582	775	1,214	726	683	324	965	765	8,556
DELIVERED TO MEXICO IN	427	264	447	169	96	107	305	229	314	175	181	161	2,873
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	190	177	383	90	409	587	451	377	95	106	207	422	3,494
DELIVERED TO STORAGE ¹	165	84	43	12	73	71	294	34	162	21	45	87	1,090
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	17	9	10	37	5	10	165	86	112	22	532	96	1,098
GILA MONSTER FARMS, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	587	439	393	255	99	211	571	500	602	547	608	735	5,546
DELIVERED TO MEXICO IN	335	231	212	75	44	37	196	186	321	185	254	117	2,192
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	125	154	125	155	47	135	229	245	154	142	275	215	2,001
DELIVERED TO STORAGE ¹	111	49	48	6	9	30	87	42	105	66	57	53	663
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	17	4	8	20	0	8	58	27	21	154	23	350	690
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	4,531	3,565	1,182	1,714	2,025	1,430	3,510	2,689	4,933	3,210	3,087	3,424	35,298
DELIVERED TO MEXICO IN	2,175	1,934	665	551	339	349	677	1,247	2,740	1,164	1,504	598	13,941
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	1,358	1,127	305	627	1,022	814	1,191	966	1,084	772	1,063	736	11,064
DELIVERED TO STORAGE ¹	862	490	161	222	258	187	776	230	817	342	461	335	5,143
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	136	14	51	314	406	80	866	247	292	933	59	1,754	5,150
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	241	167	333	443	347	264	794	246	301	250	212	374	3,974
DELIVERED TO MEXICO IN	136	82	207	113	213	70	186	139	157	93	77	76	1,550
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	67	75	105	232	126	166	346	81	62	47	113	114	1,535
DELIVERED TO STORAGE ¹	36	10	10	16	7	8	54	2	51	21	11	16	242
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	1	0	11	82	1	21	209	24	32	88	11	169	647

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2012
 STATE OF ARIZONA

WATER USER	05/15/13												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(Values are in acre-feet)													
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	2,386	2,562	1,985	1,730	2,021	1,892	5,208	1,759	3,919	2,382	3,085	2,674	31,601
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1,509	1,355	1,078	553	603	365	778	672	2,068	868	1,569	365	11,783
DIVERTED BY OTHERS	632	1,024	635	914	1,337	1,227	1,458	820	763	575	1,075	980	11,441
DELIVERED TO STORAGE ¹	190	151	226	60	28	272	939	68	880	117	355	193	3,479
DELIVERED TO MEXICO IN EXCESS OF TREATY	55	32	45	205	52	28	2,033	198	208	822	86	1,137	4,899
UNIT "B" I.D., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	448	388	516	431	351	536	593	390	977	265	522	328	5,744
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	279	252	291	154	108	104	179	193	455	156	232	64	2,466
DIVERTED BY OTHERS	103	112	180	228	174	362	227	132	189	72	125	218	2,122
DELIVERED TO STORAGE ¹	51	20	32	14	56	63	32	26	212	17	43	25	592
DELIVERED TO MEXICO IN EXCESS OF TREATY	15	3	13	34	13	7	156	39	121	19	121	22	564
YUMA COUNTY WATER USERS' ASSOCIATION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	5,095	4,554	2,160	1,527	4,242	2,958	3,746	4,410	5,988	9,198	8,708	8,568	61,155
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2,765	2,715	1,196	311	1,006	564	427	1,538	2,730	2,555	3,748	1,408	20,965
DIVERTED BY OTHERS	1,451	1,291	783	928	2,273	2,156	1,204	2,020	2,194	2,793	3,554	2,547	23,194
DELIVERED TO STORAGE ¹	803	504	101	140	916	188	982	429	1,015	1,007	970	615	7,670
DELIVERED TO MEXICO IN EXCESS OF TREATY	75	44	80	148	46	50	1,133	424	48	2,843	436	3,999	9,326
ARIZONA TOTALS													
ORDERED BUT NOT DIVERTED	16,100	15,492	11,988	8,972	12,178	11,089	18,281	18,520	23,401	21,025	19,809	10,332	187,187
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	8,322	7,988	5,844	2,827	3,265	1,994	3,447	5,765	10,294	6,663	8,489	3,103	68,002
DIVERTED BY OTHERS	4,396	4,916	3,998	5,001	6,657	7,340	5,906	6,613	5,398	6,361	7,196	5,663	69,446
DELIVERED TO STORAGE ¹	3,026	2,450	1,877	39	1,532	1,489	3,602	4,956	6,773	2,009	2,757	-6,861	23,651
DELIVERED TO MEXICO IN EXCESS OF TREATY	356	137	269	1,104	724	265	5,325	1,186	936	5,992	1,368	8,428	26,089

¹ Delivered to temporary storage in Senator Wash Reservoir.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 2012
 STATE OF CALIFORNIA

WATER USER	05/15/13												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
(Values are in acre-feet)													
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	1,955	257	-1,631	3,293	2,342	3,257	-862	-1,235	-27	911	795	-74	8,981
DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE ¹	1,955	257	-1,631	3,293	2,342	3,257	-862	-1,235	-27	911	795	-74	8,981
DELIVERED TO MEXICO IN EXCESS OF TREATY													
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM													
ORDERED BUT NOT DIVERTED	502	119	377	413	327	357	1,543	674	1,111	605	141	595	6,763
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	383	38	260	137	247	20	267	281	317	225	66	207	2,446
DIVERTED BY OTHERS	83	81	94	149	71	280	169	164	608	101	49	32	1,882
DELIVERED TO STORAGE ¹	25	0	10	39	0	33	132	17	159	82	18	40	555
DELIVERED TO MEXICO IN EXCESS OF TREATY	11	0	13	88	9	24	976	212	27	197	8	316	1,880
YUMA PROJECT RESERVATION DIVISION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	4,401	3,371	1,651	2,255	2,217	1,384	1,790	2,283	2,234	1,497	4,325	4,224	31,631
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2,192	1,668	1,199	674	897	251	551	810	1,205	518	1,910	824	12,699
DIVERTED BY OTHERS	1,265	1,313	340	1,162	1,044	971	637	1,142	615	260	1,690	1,149	11,589
DELIVERED TO STORAGE ¹	838	350	77	292	224	140	227	254	352	181	475	313	3,722
DELIVERED TO MEXICO IN EXCESS OF TREATY	105	39	36	127	53	23	377	76	61	538	250	1,937	3,621
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	12,882	15,675	27,102	18,071	9,334	6,712	21,183	18,723	14,327	15,544	12,927	18,395	190,873
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	9,070	9,132	14,572	8,116	3,794	2,686	7,158	7,601	8,505	6,486	7,236	4,275	88,631
DIVERTED BY OTHERS	2,072	3,728	8,390	5,822	2,690	2,508	3,152	4,451	1,875	3,030	2,874	2,080	42,670
DELIVERED TO STORAGE ¹	1,210	2,571	3,405	2,234	1,213	1,419	3,998	2,974	3,714	1,990	2,051	1,639	28,417
DELIVERED TO MEXICO IN EXCESS OF TREATY	529	244	736	1,900	1,637	99	6,876	3,697	233	4,038	766	10,400	31,155
COACHELLA VALLEY WATER DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	3,095	3,975	2,592	2,013	2,769	2,943	1,048	1,561	4,118	1,903	801	5,542	32,360
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1,129	2,333	1,301	828	1,208	479	292	240	2,199	619	326	528	11,481
DIVERTED BY OTHERS	1,108	1,359	967	979	988	2,011	394	637	981	349	291	2,544	12,608
DELIVERED TO STORAGE ¹	809	251	260	88	288	379	99	258	698	199	177	273	3,776
DELIVERED TO MEXICO IN EXCESS OF TREATY	50	32	65	118	284	74	263	426	241	735	7	2,199	4,495
CALIFORNIA TOTALS													
ORDERED BUT NOT DIVERTED	22,835	23,397	30,091	26,044	16,989	14,653	24,703	22,006	21,762	20,459	18,988	28,682	270,609
DELIVERED TO MEXICO IN SATISFACTION OF TREATY	12,774	13,171	17,331	9,755	6,146	3,436	8,267	8,933	12,225	7,847	9,538	5,834	115,257
DIVERTED BY OTHERS	4,528	6,482	9,791	8,111	4,793	5,770	4,351	6,394	4,079	3,741	4,904	5,805	68,749
DELIVERED TO STORAGE ¹	4,837	3,428	2,120	5,946	4,067	5,226	3,593	2,267	4,896	3,363	3,517	2,191	45,451
DELIVERED TO MEXICO IN EXCESS OF TREATY	696	316	850	2,233	1,983	221	8,492	4,411	561	5,508	1,030	14,852	41,152

¹ Delivered to temporary storage in Senator Wash Reservoir.

**RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944 AND WATER
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS IN ACCORDANCE WITH
ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

05/15/13	CALENDAR YEAR 2012												TOTAL
	(Values are in acre-feet)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COLORADO RIVER AT NORTHERLY INTERNATIONAL BOUNDARY ¹	119,658	147,284	175,715	170,959	88,615	92,803	112,409	87,837	79,466	57,906	74,871	120,877	1,328,400
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS													
DELIVERY AT THE LIMITROPHE ²	780	593	519	452	485	392	435	415	814	1,510	1,231	940	8,566
DIVERSION FOR DELIVERY TO TIJUANA ³	0	0	0	0	0	0	0	0	0	0	102	0	102
DELIVERY AT SOUTHERLY INTERNATIONAL BOUNDARY	10,154	10,952	10,985	11,549	9,666	9,458	11,138	9,075	9,487	10,327	11,488	10,485	124,764
DIVERSION CHANNEL DISCHARGE ⁴		3	2	15	0	0	0	0	1				21
DELIVERY TO MEXICO AT NORTHERLY INTERNATIONAL BOUNDARY ⁵	119,350	146,894	175,234	165,124	87,514	92,626	91,043	82,794	79,006	43,533	73,336	77,116	1,233,570
TOTAL DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	130,284	158,442	186,740	177,140	97,665	102,476	102,616	92,284	89,308	55,370	86,157	88,541	1,367,023
MEXICO'S DEFERRED DELIVERY ⁶	0	0	0	28,268	14,650	15,699	15,882	12,221	12,201	8,302	12,584	13,170	132,977
TOTAL TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	130,284	158,442	186,740	205,408	112,315	118,175	118,498	104,505	101,509	63,672	98,741	101,711	1,500,000
TO MEXICO IN EXCESS OF TREATY ⁷	308	390	481	5,835	1,101	177	21,366	5,043	460	14,373	1,535	43,761	94,830
ACCOUNTABLE DELIVERIES TO MEXICO ⁸	130,592	158,832	187,221	182,975	98,766	102,653	123,982	97,327	89,768	69,743	87,692	132,302	1,461,853
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC	10,498	8,708	9,612	9,155	8,797	8,885	8,867	8,932	9,737	14,792	14,492	13,746	126,221
MEXICO'S DEFERRED DELIVERY - EVAPORATION LOSS ⁹												3,989	3,989
MEXICO'S DEFERRED DELIVERY MINUS EVAPORATION LOSS													128,988
CUMULATIVE VOLUME OF MEXICO'S DEFERRED DELIVERY AVAILABLE FOR FUTURE DELIVERY ¹⁰													176,349

Footnotes:

¹ Flow in the river at the Northerly International Boundary as reported by IBWC as delivery to Mexico.

² Wasteway deliveries to the river limitrophe via the Cooper, 11 mile, and 21 mile lateral wasteways in satisfaction of the 1944 Treaty requirements.

³ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minutes No. 310 and 314 of the IBWC.

⁴ The Diversion Channel delivers water from the SIB confluence structure to the river or to the Bypass. During the months of February through September water is discharged to the Colorado River and is charged to the Treaty.

⁵ That portion of the flows at NIB necessary to meet the 1.5 MAF Treaty obligation.

⁶ Mexico's deferred deliveries pursuant to Minute Nos. 318 and 319 of the IBWC.

⁷ Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.

⁸ Mexico's total water delivery, includes Treaty requirements in accordance with their scheduled diversions, does not include water bypassed pursuant to Minute No. 242 of the IBWC.

⁹ In accordance with Minute No. 319, a 3 percent reduction for evaporation shall be applied annually on December 31 of any year in which the volumes of water referred to in Mexico's Deferred Delivery or any portion thereof have not yet been delivered.

¹⁰ The cumulative volume of Mexico's deferred delivery includes water deferred during the reporting year and the prior year EOY balance of deferred delivery, less the annual evaporation loss assessment.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

WATER USER		CALENDAR YEAR 2012												TOTAL	
		05/15/13	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
		(Values in acre-feet)													
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information, tabulated here, provides a more extensive record of activities relating to federal management of the Colorado River. In concise reports specific to various agreements, policy, rules, or Records of Decision, this information is intended to help the reader correlate the records found in the Article V portion of this report with the various conservation, transfer and exchange agreements. The final section contains documents significant to the actions taken by Reclamation, the Lower Division States, and the water user agencies during 2012.

INTERSTATE WATER BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Reclamation developed and implemented a rule that establishes the procedural framework for carrying out an interstate water banking program. The rule is codified in 43 CFR, Part 414. Authorized parties may enter into agreements whereby Colorado River water may be stored off-stream in one state for future benefit of consuming entities in another state.

On December 18, 2002, Reclamation, on behalf of the Secretary of the Interior (Secretary), entered into a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). On October 27, 2004, Reclamation, on behalf of the Secretary, entered into a SIRA with the Metropolitan Water District of Southern California (MWD), SNWA, and CRCN. These SIRAs provide structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate water banking program.

In 2001, AWBA, SNWA, and CRCN executed an Agreement for Interstate Water Banking, amended January 1, 2005 and April 1, 2009, that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off-stream storage of Colorado River water in Arizona and the establishment of Long-Term Storage Credits (LTSC) for the benefit of SNWA.

Another element of this interstate water banking program is an Agreement for Development of Intentionally Created Unused Apportionment (ICUA) between AWBA and the Central Arizona Water Conservation District (CAWCD). CAWCD has obligated itself to accept water recovered by pumping groundwater, represented by LTSC's. CAWCD reduces its diversion of Colorado River water through the Central Arizona Project by an equivalent amount, reducing Arizona's Colorado River water consumption. This forbearance creates ICUA that is released by the Secretary for use by SNWA.

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

the year Colorado River water is diverted. LTSC's are created for the account of consuming entities in Nevada. When LTSC's are recovered, pursuant to the SIRA the consuming entities in Nevada will divert Colorado River water in exchange for CAWCD's use of the LTSC's. The Secretary will release ICUA created by AWBA via CAWCD's forbearance to the consuming entity in Nevada in that same year pursuant to Article II (B) (6) of the Consolidated Decree. ICUA used in Nevada is accounted for as consumptive use of Colorado River water that year and is in addition to the basic apportionment of the state where the use occurs.

In 2004, MWD, SNWA, and CRCN, executed an Operational Agreement, amended August 2009 and October 2012, that provides additional terms and conditions, consistent with the SIRA, under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls for this stored water MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. MWD consumed its remaining IUS credits in calendar year 2010.

The following tabulation lists Accumulated Long Term Storage Credits (ALTSC) verified by AWBA and MWD, provisional LTSC accrued during the past year, LTSC's recovered during the past year, and ALTSC held for an entity with a SIRA.

INTERSTATE WATER BANKING
 COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
 FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

		Beginning Balance	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified 2011 EOY ALTSC ¹	600,651													
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 2012 ²		0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 2012 ³		0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 2012 ⁴		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651
Water diverted and stored by MWD for the benefit of SNWA.	Verified 2011 EOY ALTSC ^{1,6}	70,000													
	Diverted in 2012 ⁶		0	0	0	0	0	0	0	0	23,316	13,031	12,542	13,950	62,839
	Verified LTSC in 2012 ⁶		0	0	0	0	0	0	0	0	15,544	8,687	8,361	9,300	41,892
	ICUA Developed in 2012 ^{4,6}		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁶	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	85,544	94,231	102,592	111,892	111,892
AMOUNT OF WATER STORED FOR THE BENEFIT OF SNWA - CURRENT YEAR			0	0	0	0	0	0	0	0	15,544	8,687	8,361	9,300	41,892
CUMULATIVE BALANCE OF WATER STORED FOR SNWA WITHIN AZ AND CA ⁷		670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	686,195	694,882	703,243	712,543	712,543
STATES TOTAL	Verified 2011 EOY ALTSC ¹	670,651													
Water stored in AZ & CA for the benefit of SNWA.	Accrued LTSC in 2012 ²		0	0	0	0	0	0	0	0	23,316	13,031	12,542	13,950	62,839
	Verified LTSC in 2012 ³		0	0	0	0	0	0	0	0	15,544	8,687	8,361	9,300	41,892
	ICUA Developed in 2012 ⁴		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	686,195	694,882	703,243	712,543	712,543

Footnotes:

¹ ALTSC's verified by the banking entity before the beginning of the reporting year and available for recovery by a specific entity with a valid SIRA. Requested ICUA cannot exceed verified LTSC.

² Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200,000 af annually.

³ In 2012, AWBA did not store any Colorado River water in Arizona for SNWA or for MWD. Displayed values are provisional upon verification by AWBA and or MWD and represent water that may be available for recovery for SNWA.

⁴ ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have certified this amount to be available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. Total recovery of ALTSC from AWBA cannot exceed 100,000 af annually, due to a limitation defined under Arizona state law. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release. Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available.

⁵ ALTSC's are the cumulative monthly sum of verified, or estimated LTSC.

⁶ In 2004, MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, California will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California. In October 2012, CRCN, MWD, and SNWA executed the Second Amended Operational Agreement which addresses storage during the years 2012 through 2016. Water stored by MWD for the benefit of SNWA during this period is charged with a one-time storage loss equal to one-third of the total amount of water delivered to MWD for storage.

⁷ This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the reporting year.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

For various reasons, a user may inadvertently divert, pump or receive Colorado River water in an amount that exceeds that to which the user is entitled to for that year (inadvertent overrun). A user incurring an inadvertent overrun is required to pay back such overrun in accordance with the Inadvertent Overrun and Payback Policy (IOPP).

The Colorado River Water Delivery Agreement (CRWDA), authorizing the IOPP, was signed October 10, 2003, by the Secretary of the Interior. The IOPP became effective January 1, 2004, and it applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 *Federal Register* 12201 (2004). The policy defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The following tabulation displays information associated with inadvertent overruns and paybacks, as applicable, for each individual water user, including: the amount of overrun incurred in the reporting year; the beginning of year overrun account balance from overruns incurred in previous years; the amount of validated paybacks made to the Colorado River system in the reporting year; and the remaining overrun balance in each user's inadvertent overrun account as of the end of the reporting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 STATE OF ARIZONA
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
Cocopah Indian Reservation	IOPP Overruns by Water User	Calendar Year Diversion ^{2,3}	8,729	10,886	11,518
		Calendar Year Overrun - Diversion ⁴	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion ⁵	605		
		Validated Calendar Year Paybacks - Diversion ⁶	0		
		EOY Overrun Account Balance - Diversion ⁷	605		
		Account Balance as Percent of Entitlement	5.3%		
Beattie Farms Southwest (Russell Youmans)	IOPP Overruns by Water User	Calendar Year Diversion ²	1,345	1,110	1,110
		Calendar Year Overrun - Diversion ⁴	235		
		Calendar Year Overrun - Consumptive Use	174		
		BOY Overrun Account Balance - Diversion ⁵	453		
		Validated Calendar Year Paybacks -Diversion ⁶	0		
		EOY Overrun Account Balance - Diverison ⁷	688		
		Account Balance as Percent of Entitlement	62.0%		

Footnotes:

¹ This section contains tabulations of overruns, paybacks, and overrun balances in accordance with the Inadvertent Overrun and Payback Policy.

² The water user's actual diversion or consumptive use as tabulated in the Article V(B) section of this report.

³ For accounting purposes the Cocopah Indian Reservation entitlement amount is calculated by combining the Cocopah Tribe's (Tribe) entitlement for use on Trust lands (10,847 af) and the Tribe's estimated entitlement for use on Fee lands in PPR No. 7 (671 af). The Tribe's entitlement for use on Fee lands is an estimated amount based on an acreage-prorated share of the total entitlement under PPR No.7. The amount of this entitlement is currently under review.

⁴ The amount of overrun incurred during the reporting year.

⁵ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

⁶ Paybacks to the Colorado River system made during the reporting year.

⁷ The remainder of the IOPP overrun account balance as of the end of the reporting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 STATE OF CALIFORNIA
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
IMPERIAL IRRIGATION DISTRICT (Based on consumptive use entitlement)	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	2,903,216	2,754,841	3,100,000
		Calendar Year Overrun - Consumptive Use ³	148,375		
		Current Year Conservation Applied to Overrun ⁶	(14,299)		
		Net Calendar Year Overrun - Consumptive Use	134,076		
		BOY Overrun Account Balance -Consumptive Use ⁴	82,662		
		Validated Calendar Year Paybacks - Consumptive Use ⁵	(6,290)		
		EOY Overrun Account Balance - Consumptive Use ⁷	210,448		
		Account Balance as Percent of Entitlement	6.8%		
FORT MOJAVE INDIAN RESERVATION	IOPP Overruns by Water User	Calendar Year Diversion ²	15,839	16,720	16,720
		Calendar Year Overrun - Diversion ³	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion ⁴	155		
		Validated Calendar Year Paybacks - Diversion ⁵	0		
		EOY Overrun Account Balance - Diversion ⁷	155		
		Account Balance as Percent of Entitlement	0.9%		

Footnotes:

¹ This section contains tabulations of overruns, paybacks, and overrun balances in accordance with the Inadvertent Overrun and Payback Policy.

² The water user's actual diversion or consumptive use as tabulated in the Article V(B) section of this report.

³ The amount of overrun incurred during the reporting year.

⁴ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

⁵ Paybacks to the Colorado River system made during the reporting year. With respect to IID, the 6,290 af amount is comprised of the application of existing ICS credits (5,842 af) and forbearance of Colorado River water (448 af), through recovery of an equivalent amount of groundwater previously stored under an IID/CVWD groundwater storage program. The 6,290 af was applied as early payback toward IID's 2011 IOPP overrun.

⁶ In 2012, IID conserved a total of 157,203 af through its Main Canal Seepage Interception System projects and its Following program. Of this amount, 142,904 af of conservation was used to meet transfer obligations as referenced in the CRWDA, Exhibit B, Columns 5, 7, and 8. The remaining 14,299 af of conserved water was applied to reduce IID's 2012 overrun.

⁷ The remainder of the IOPP overrun account balance as of the end of the reporting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
 STATE OF NEVADA
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
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IOPP Overruns by Individual Water Users

Footnotes:

¹ This section contains tabulations of overruns, paybacks, and overrun balances in accordance with the Inadvertent Overrun and Payback Policy.

**SUMMARY OF WATER AVAILABILITY AND USE
BY
ARIZONA, CALIFORNIA, AND NEVADA**

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and, in accordance with Article II(B)6, may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are the interstate storage and release agreements, the Inadvertent Overrun and Payback Policy (IOPP), and Intentionally Created Surplus.

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback obligations by users within the state in accordance with IOPP, creation or delivery of ICS, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2012.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

STATE	ADJUSTMENTS	ACTUAL USE
ARIZONA	Basic Apportionment ²	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV ³	0
	IOPP Paybacks ⁴	0
	Total Available Colorado River Water ⁵	2,800,000
	Total Consumptive Use ⁶	2,789,667
	State Underrun or (Overrun) ⁷	10,507
	Overruns by Individual AZ Users	(174)
	Net State Underrun or (Overrun)	10,333
CALIFORNIA	Basic Apportionment ²	4,400,000
	NV II(B)(6) Released to CA for Storage for NV ³	62,839
	ICS Delivery	0
	ICS Creation (MWD)	(179,677)
	IOPP Paybacks (IID early payback) ⁴	(448)
	Total Available Colorado River Water ⁵	4,282,714
	Total Consumptive Use ⁶	4,416,718
	State Underrun or (Overrun) ⁷	(134,004)
Overruns within California	134,076	
Under delivery to the Salton Sea for Mitigation Purposes ⁸	(72)	
Net State Underrun or (Overrun)	0	
NEVADA	Basic Apportionment ²	300,000
	ICS Delivery	1,000
	Total Available Colorado River Water ⁵	301,000
	Total Consumptive Use ⁶	237,161
	NV II(B)(6) Released for Storage by CA ³	62,839
Net State Underrun or (Overrun) ⁷	1,000	

Footnotes:

¹ This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments may include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in Arizona v. California, payback obligations of individual water users, and creation and/or delivery of ICS.

² The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.

³ Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona and/or California under the appropriate SIRA.

⁴ The reduction in the amount of water available to the state due to repayment obligations under the IOPP.

⁵ The total amount of Colorado River water available for use by the state in the reporting year.

⁶ The total consumptive use of Colorado River water within the state as tabulated in the Article V(B) section of this report.

⁷ The difference between the Colorado River water available to the state and the state's actual consumptive use.

⁸ In 2012, IID conserved 15,182 af of Colorado River water for Salton Sea mitigation purposes, but due to measurement imprecision and operational/infrastructure limitations, delivered 15,110 af to the Salton Sea, resulting in a 72 af under-delivery. In 2013, IID will increase deliveries to the Salton Sea by 72 af.

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act (Act), enacted by Congress and approved by the President on November 14, 1986, authorized the Lower Colorado Water Supply Project (LCWSP) as part of a water supply exchange program. Water pumped from the LCWSP well field is exchanged for Colorado River water. This program is intended to help meet the domestic, municipal, industrial, and recreational water needs of water users adjacent to the Colorado River in California. The LCWSP well field will assist those water users whose use of water from the Colorado River is either not covered by a contract or is in excess of their contractual allocation. Although some California water users have access to surplus water, the use of the LCWSP wells is required when surplus water is unavailable or insufficient to meet the needs of the LCWSP beneficiaries in California. Water for agricultural use is not authorized under the Act.

The Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, Stage I of the LCWSP has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and used by the Imperial Irrigation District (IID). IID will then forebear the use of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply LCWSP water to the City of Needles (City) in annual amounts up to 3,500 acre-feet of the initial 5,000 acre-feet available. The contract with the City establishes a framework for the City to enter into

sub-contracts for delivery of LCWSP water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) recommends whether a non-Federal applicant should be offered a subcontract for a LCWSP water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and refers the approved applicants to the City which then offers subcontracts.

In September 1998, the Bureau of Land Management (BLM) was allocated 1,150 acre feet of Stage I capacity for consumptive use on BLM-administered lands in California located adjacent to the Colorado River. In December 2004, a Reclamation determination reserved an additional 350 acre-feet of Stage I capacity in the LCWSP for use by Reclamation in California at Federal facilities on land adjacent the Colorado River. With the determination, the estimated 5,000 acre-feet per year of Stage I capacity was completely allocated.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of LCWSP water under terms that the Secretary determines will benefit the interest of LCWSP users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City and the Metropolitan Water District of Southern California (MWD), allowing Stage I of the LCWSP to be pumped at capacity, without jeopardizing the LCWSP, allowing MWD to receive as much unused water as available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the LCWSP or its replacement.

LOWER COLORADO WATER SUPPLY PROJECT
SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

		TOTALS
LCWSP WELLFIELD PUMPAGE ¹		4,616
FEDERAL LCWSP CONTRACTORS ²		
BLM	Consumptive Use	301
RECLAMATION - Parker Dam and Government Camp	Consumptive Use	107
Total Federal Contractors Consumptive Use		408
NON-FEDERAL LCWSP CONTRACTORS ³		
City of Needles	Consumptive Use	662
Needles's Subcontractors		
Havasu Water Company of California	Consumptive Use	36
Vista del Lago Resort	Consumptive Use	10
Pacific Gas & Electric Company	Consumptive Use	1
Southern California Gas Company	Consumptive Use	68
Needles Other Subcontractors	Consumptive Use	178
Needles and Subcontractors Consumptive Use		955
LCWSP Water Available to MWD		3,253
Total Non-Federal Contractors Consumptive Use		4,208

Footnotes:

¹ Non-Colorado River water pumped from the LCWSP wellfield and delivered to IID for its use via the AAC. IID forbears the consumptive use of this amount from the Colorado River to make water available for exchange to the LCWSP beneficiaries.

² Total LCWSP Federal contractors consumptive use. Colorado River water used was exchanged for LCWSP water.

³ Total LCWSP Non-Federal consumptive use by the City of Needles and its subcontractors. Colorado River water used was exchanged for LCWSP water.

⁴ Total amount of water pumped from the wellfield less consumptive use of LCWSP water by Federal and Non-Federal LCWSP contractors.

CONSERVATION, TRANSFER, AND EXCHANGES FOR THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

Colorado River water apportioned to the Lower Division states has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division states must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, the Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events are depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2012.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use” demonstrates the impact of conservation and transfers on agricultural water use in California in the reporting year and compares the California agricultural use to the applicable Benchmark or Target. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE ¹
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

California Agricultural Entity	Consumptive Uses
Palo Verde Irrigation District	362,223
Yuma Project Reservation Division	48,471
Yuma Island Pumpers ²	4,977
Priorities 1, 2, 3b	415,671
CVWD	329,576
IID ³	2,903,216
Total California Agricultural Use	3,648,463
MWD Reduction for Priority 1, 2, and 3b use ⁴	0
Overruns (IID)	(134,076)
Paybacks (IID)	448
MWD-CVWD Exchange	0
ICS Creation (IID)	0
ICS Delivery (IID)	0
IID and CVWD reductions for PPRs	14,500
Use by California Agriculture+MWD Adjustment+Agricultural paybacks+IID/CVWD covered PPRs	3,529,335
Annual Agricultural Benchmark or Target Comparison	
2012 Agricultural Benchmark ⁵	3,470,000
Use by California Agriculture+MWD Adjustment+Agricultural paybacks+IID/CVWD covered PPRs	3,529,335
Total Benchmark Overrun or (Underrun)	59,335
Priority 1, 2, and 3b use below/above 420,000 af	
Palo Verde Irrigation District	362,223
Yuma Project Reservation Division	48,471
Yuma Island Pumpers ²	4,977
Total Priority 1, 2, 3b Use	415,671
MWD reduction for Priority 1, 2, and 3b water use ⁶	0
Priority 1, 2, and 3b water delivered to MWD ⁷	4,329

Footnotes:

¹ Sections XI.A., B., E., F., and G., of the 2007 Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead contain the adopted Interim Guidelines. Section XI.G.5 of the Interim Guidelines contains benchmarks for aggregate California agricultural water use during each third year from 2003 through 2012. Exhibit B (attached) to the CRWDA, Column 22 references these Interim Guidelines benchmarks, and Column 23 references annual targets for aggregate agricultural water use for the years between the benchmarks. Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as "All-consumptive use of Priorities 1 through 3 plus 14,500 af of PPR use, minus any MWD adjustment for Priority 1 through 3 use above 420,000 af."

² Incorporation of Yuma Island Pumpers' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Consolidated Decree accounting for this use; nor is it an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

³ IID's use includes the overrun shown in the IOPP section of this report.

⁴ MWD's reductions for Priorities 1, 2, and 3b count toward meeting the ISG annual target.

⁵ See Exhibit B of the CRWDA.

⁶ Per Section 4.d of the CRWDA, MWD use is reduced by the sum of Priority 1, 2, and 3b use greater than 420,000 af.

⁷ Per Section 4.d of the CRWDA, the sum of Priority 1, 2, and 3b use that's less than 420,000 af is delivered to MWD.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 STATE OF ARIZONA
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
STATE OF CALIFORNIA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
IID CONSERVATION - 1988 IID/MWD CONSERVATION AGREEMENT ¹													104,140
IID CONSERVATION - MWD REDUCTION FOR CVWD USE ²													10,463
IID CONSERVATION - TRANSFER TO SDCWA ³													106,722
IID CONSERVATION - SDCWA MITIGATION TRANSFER ⁴													15,182
IID CONSERVATION - IID INTRA-PRIORITY 3 TRANSFER TO CVWD ⁵													21,000
COACHELLA GROUNDWATER STORAGE RETURN REQUEST BY IID													448
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM ⁶													73,662
ALL-AMERICAN CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁷													56,200
ALL -AMERICAN CANAL LINING PROJECT - SUPPLEMENTAL - TO MWD ⁷													11,500
ALL-AMERICAN CANAL LINING PROJECT - TOTAL CONSERVATION ⁷													67,700
COACHELLA CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁸													23,939
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL - TO MWD ⁸													4,500
COACHELLA CANAL LINING PROJECT - MITIGATION ⁸													2,411
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION ⁸													30,850
TOTAL MWD EXCHANGE WITH SDCWA ⁹													186,861

Note: The remaining transfers and water exchanges tabulated in exhibits of the CRWDA may be found in the Exhibit B table presented at the end of this section of this report. Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available based upon their own schedule.

Footnotes:

¹ 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement made available by IID for diversion in the reporting year by MWD, reported as an annual total. In 2012, the amount of water conserved by Project 18 was 2,640 af as documented in the January 10, 2012, letter from the Chairman of the Program Coordinating Committee to IID. This letter can be viewed on Reclamation's website at [www.http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf](http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf) under the bookmark entitled, *Documents and Letters Significant to the Delivery of and Accounting for the use of Colorado River Water in CY 2012*. This resulted in a total conservation yield of 104,140 af.

² In accordance with the amended 1989 Approval Agreement, CVWD may request up to 20,000 af of the water conserved by IID for MWD as a result of the IID/MWD Water Conservation Program. MWD is required to reduce up to 20,000 af of water for use by CVWD.

³ As referenced in Column 5, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA. The CRWDA, Exhibit B, provides for a 90,000 af transfer from IID to SDCWA in 2012. This transfer was made in 2012. The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. In 2011, IID informed Reclamation that, in 2011, IID entered into following contracts for 80,000 af to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011. In 2011, IID conserved 63,278 af under the following contracts to support the IID-SDCWA transfer. In 2012, IID conserved 16,722 af of water under the 2011/2012 following contracts to support the balance of the 80,000 af IID-SDCWA transfer obligation for 2011. The 106,722 af reported above reflects the total of the 90,000 af conserved in 2012 in support of the 2012 transfer and the additional 16,722 af conserved in 2012 in support of the 2011 transfer obligation.

⁴ As referenced in Column 7, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA for delivery, by exchange, to the Salton Sea for mitigation purposes. As reported above, IID conserved 15,182 af of water through fallowing in 2012 for mitigation purposes. In 2010, IID delivered 46,546 af of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. IID did not conserve an equivalent amount of water in 2011 and 2012 for delivery to the Salton Sea resulting in a Colorado River system storage depletion of 46,546 af. The 2010 delivery to the Salton Sea is the subject of a 2012 exchange of letters by the General Manager of IID (letter dated November 7, 2012) and Reclamation's Commissioner (letter dated November 13, 2012), as well as a letter dated May 3, 2013, from Reclamation's Lower Colorado Regional Director. These letters can be viewed on Reclamation's website at [www.http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf](http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf), under the bookmark entitled, *Documents and Letters Significant to the Delivery of and Accounting for the use of Colorado River Water in CY 2012*.

⁵ IID conserves water under an acquisition agreement with CVWD to meet the IID/CVWD Intra-priority 3 Transfer obligation as referenced in Column 8, Exhibit B of the CRWDA.

⁶ PVID's annual reduction in consumptive use of Colorado River water through land fallowing. This value is recorded in Table 8 of a jointly produced report compiled by Reclamation, PVID, and MWD entitled "Calendar Year 2012 Fallowed Land Verification Report." This value represents the estimated reduction in PVID's consumptive use as a result of fallowing an average of 23,488 acres in January; 21,703 acres in February; 20,762 acres in March; 20,421 acres in April through June; 13,457 acres in July; and 6,493 acres in August through December 2012.

⁷ The amount shown, represents water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined All-American Canal. The Secretarial Determination of water conserved by lining certain reaches of the project was issued in December 2009 (see Significant Documents). As a result, conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003 and Public Law 100-675, as amended.

⁸ The amount shown, represents water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008. As a result, conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003, Public Law 100-675, as amended, and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

⁹ The amount shown represents water exchanged between MWD and SDCWA in 2012. This is the sum of: IID Conservation for SDCWA (106,722 af), All-American Canal Lining Project (56,200 af), and the Coachella Canal Lining Project (23,939 af).

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
 STATE OF NEVADA
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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No transfers were reported to Reclamation during this calendar year

Footnotes:
 No footnotes for this calendar year.

WATER MADE AVAILABLE BY CONSERVATION
 BUREAU OF RECLAMATION
 CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

TRANSFER PROGRAM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ARIZONA GROUND WATER PERMIT ¹	0	0	0	0	0	0	0	0	0	0	0	0	0
WARREN H. BROCK RESERVOIR STORAGE ²	11,627	9,515	11,375	10,175	15,438	2,763	13,166	14,478	13,754	12,068	8,347	246	122,952
YUMA DESALTING PLANT DISCHARGE TO THE COLORADO RIVER ³	18	18	19	17	15	18	20	0	8	12	17	20	182

Footnotes:

¹ In 2007, Reclamation was granted a permit to withdraw Arizona ground-water for return credits to offset bypass flows to Mexico. The values shown represent the return flow credits earned in accordance with the permit in the year covered by this report.

² Colorado River water stored in Warren H. Brock Reservoir. The difference between the value shown here and the amount shown in the California Article V(B) section, IID tabulation, "Delivery From Warren H. Brock Reservoir", consists of changes in reservoir storage and losses from the reservoir.

³ Water created by operation of the Yuma Desalting Plant and discharged to the Colorado River.

EXHIBIT B
QUANTIFICATION AND TRANSFERS¹
In Thousands of Acre-feet

Column:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Calendar Year	² Priority 1, 2 and 3b	IID Priority 3a										CVWD Priority 3a						Total Priority 1-3 Use Plus PPR Consumptive Use (sum of columns 2+13+20 plus 11+16)	¹² ISG Benchmarks	¹² Annual Targets		
			Reductions										Reductions			Additions							
			¹⁰ IID Net Consumptive Use Amount (difference between column 3 and column 12)	³ IID Reduction: MWD 1988 Agreement Transfer	IID Reduction: SDCWA Transfer	⁴ IID Reduction: AAC Lining IID, SDCWA & SLR	^{5,6} IID Reduction: SDCWA Mitigation Transfer	⁷ Intra-Priority 3 Transfer IID/CVWD	⁶ IID Reduction: MWD Transfer with Salton Sea Restoration	⁸ IID Reduction: Conditional ISG Backfill	⁹ IID Reduction: Misc. PPRs	IID Reductions Total Amount (sum of columns 4 through 11)	CVWD Priority 3a Quantified Amount	⁴ CVWD Reduction: CC Lining, SDCWA & SLR	⁹ CVWD Reduction: Misc. PPRs	¹¹ CVWD Reductions: Total Amount (sum of columns 15 + 16)	⁷ Intra-Priority 3 Transfer IID/CVWD	³ Intra-Priority 3 Transfer MWD/CVWD	CVWD Net Consumptive Use Amount (columns 14 - 17 plus columns 18 + 19)				
1	2003	420	3,100	110	10	0	5	0	0	0	11.5	136.5	2,963.5	330	0	3	3	0	20	347	3,745.0	3,740	3,740
2	2004	420	3,100	110	20	0	10	0	0	0	11.5	151.5	2,948.5	330	0	3	3	0	20	347	3,730.0		3,707
3	2005	420	3,100	110	30	0	15	0	0	0	11.5	166.5	2,933.5	330	0	3	3	0	20	347	3,715.0		3,674
4	2006	420	3,100	110	40	0	20	0	0	9	11.5	190.5	2,909.5	330	26	3	29	0	20	321	3,665.0	3,640	3,640
5	2007	420	3,100	110	50	0	25	0	0	0	11.5	196.5	2,903.5	330	26	3	29	0	20	321	3,659.0		3,603
6	2008	420	3,100	110	50	67.7	25	4	20	0	11.5	288.2	2,811.8	330	26	3	29	4	20	325	3,571.3		3,566
7	2009	420	3,100	110	60	67.7	30	8	40	0	11.5	327.2	2,772.8	330	26	3	29	8	20	329	3,536.3	3,530	3,530
8	2010	420	3,100	110	70	67.7	35	12	60	0	11.5	366.2	2,733.8	330	26	3	29	12	20	333	3,501.3		3,510
9	2011	420	3,100	110	80	67.7	40	16	80	0	11.5	405.2	2,694.8	330	26	3	29	16	20	337	3,466.3		3,490
10	2012	420	3,100	110	90	67.7	45	21	100	0	11.5	445.2	2,654.8	330	26	3	29	21	20	342	3,431.3	3,470	3,470
11	2013	420	3,100	110	100	67.7	70	26	100	0	11.5	485.2	2,614.8	330	26	3	29	26	20	347	3,396.3		3,462
12	2014	420	3,100	110	100	67.7	90	31	100	0	11.5	510.2	2,589.8	330	26	3	29	31	20	352	3,376.3		3,455
13	2015	420	3,100	110	100	67.7	110	36	100	0	11.5	535.2	2,564.8	330	26	3	29	36	20	357	3,356.3		3,448
14	2016	420	3,100	110	100	67.7	130	41	100	0	11.5	560.2	2,539.8	330	26	3	29	41	20	362	3,336.3		3,440
15	2017	420	3,100	110	100	67.7	150	45	91	0	11.5	575.2	2,524.8	330	26	3	29	45	20	366	3,325.3		
16	2018	420	3,100	110	130	67.7	0	63	0	0	11.5	382.2	2,717.8	330	26	3	29	63	20	384	3,536.3		
17	2019	420	3,100	110	160	67.7	0	68	0	0	11.5	417.2	2,682.8	330	26	3	29	68	20	389	3,506.3		
18	2020	420	3,100	110	193	67.7	0	73	0	0	11.5	454.7	2,645.3	330	26	3	29	73	20	394	3,473.8		
19	2021	420	3,100	110	205	67.7	0	78	0	0	11.5	472.2	2,627.8	330	26	3	29	78	20	399	3,461.3		
20	2022	420	3,100	110	203	67.7	0	83	0	0	11.5	474.7	2,625.3	330	26	3	29	83	20	404	3,463.8		
21	2023	420	3,100	110	200	67.7	0	88	0	0	11.5	477.2	2,622.8	330	26	3	29	88	20	409	3,466.3		
22	2024	420	3,100	110	200	67.7	0	93	0	0	11.5	482.2	2,617.8	330	26	3	29	93	20	414	3,466.3		
23	2025	420	3,100	110	200	67.7	0	98	0	0	11.5	487.2	2,612.8	330	26	3	29	98	20	419	3,466.3		
24	2026	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
25	2027	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
26	2028	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2029-2037	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2038-2047 ¹³	420	3,100	110	200	67.7	0	103	0	0	11.5	492.2	2,607.8	330	26	3	29	103	20	424	3,466.3		
	2048-2077 ¹⁴	420	3,100	110	200	67.7	0	100	0	0	11.5	489.2	2,610.8	330	26	3	29	100	20	421	3,466.3		

- Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
- Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
- IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
- Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
- Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
- Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.
- MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
- IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.
- Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
- For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.
- For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
- All-conservative use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
- Assumes SDCWA does not elect termination in year 35.
- Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:
Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.
The shaded columns represent amounts of water that may vary.

INTENTIONALLY CREATED SURPLUS

On December 13, 2007, the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (Interim Guidelines) was signed. Section 3, pages 38-43 of the Interim Guidelines contains the policies and guidelines concerning the categories of, creation, delivery, and accounting for Intentionally Created Surplus (ICS).

Prior to the signing of the Interim Guidelines, Reclamation had in 2006, entered into letter agreements with the Imperial Irrigation District and the Metropolitan Water District of Southern California to implement a demonstration program for the development of ICS. "ICS Water" in this program referred to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona v. California*, 547 U.S. 150 (2006) (Consolidated Decree) as ICS. The demonstration program covered the creation of ICS Water during calendar years 2006 and 2007, and required the creation of ICS Water through extraordinary conservation. Beginning in 2008, the creation and use of ICS is governed by the Interim Guidelines.

Under the Interim Guidelines four types of ICS may be created by an approved contractor: Extraordinary Conservation ICS, Tributary Conservation ICS, System

Efficiency ICS, and Imported ICS. Also stipulated in the Interim Guidelines are the limits as to how much ICS of each type may be created each year and in total, as well as how much ICS may be delivered by the Secretary each year. The following conditions apply to ICS:

- 1) During the year of creation, and with the exception of System Efficiency ICS, five percent of the ICS created will be dedicated to system storage to provide a collective storage benefit for Colorado River users,
- 2) An annual evaporation loss of three percent will be applied to remaining ICS beginning the year after its creation,
- 3) Under flood control releases ICS will be the first released, and
- 4) In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS.

The Secretary is responsible for approving plans for the creation of ICS, allowing for their modification, and developing procedures to account for and verify ICS creation and delivery.

The Interim Guidelines can be found in the Significant Documents section of the report.

INTENTIONALLY CREATED SURPLUS
BY STATE, USER, AND TYPE OF ICS
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

State	User	ICS Type	2012 BOY Balance	Creation ¹	System Assessment ²	IOPP Payback ³	Delivery	Evaporation Loss ⁴	2012 EOY Balance ⁵
ARIZONA	CAWCD	System Efficiency - Warren H. Brock ⁶	100,000	0	N/A	0	0	N/A	100,000
	CAWCD	System Efficiency - YDP Pilot Run ⁷	3,050	0	N/A	0	0	N/A	3,050
CALIFORNIA	MWD	Extraordinary Conservation ⁸	328,553	179,677	8,984	0	0	9,857	489,389
	MWD	System Efficiency - Warren H. Brock ⁶	66,000	0	N/A	0	0	N/A	66,000
	MWD	System Efficiency - YDP Pilot Run ⁷	24,397	0	N/A	0	0	N/A	24,397
	IID	Extraordinary Conservation	5,842	0	0	5,842	0	0	0
NEVADA		Extraordinary Conservation converted from Tributary Conservation / Imported ⁹	79,548	0	0	0	0	2,386	77,162
	SNWA	Tributary Conservation	N/A	31,442	1,572	0	0	N/A	29,870
	SNWA	Imported - Coyote Spring Valley	N/A	3,918	196	0	1,000	N/A	2,722
	SNWA	System Efficiency - Warren H. Brock ⁶	400,000	0	N/A	0	0	N/A	400,000
	SNWA	System Efficiency - YDP Pilot Run ⁷	3,050	0	N/A	0	0	N/A	3,050
Total ICS stored in Lake Mead: EOY 2012									1,195,640

Footnotes:

¹ The amount of ICS created by the contractor during the reporting year. Unless otherwise noted, all current year values displayed in this column are provisional until verified by Reclamation.

² In accordance with Section 3.B.2. of the Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operation for Lake Powell and Lake Mead (Interim Guidelines), there shall be a one-time deduction of 5 percent from the amount of ICS in the year of creation. This system assessment shall result in additional system water in storage in Lake Mead.

³ In accordance with Section 3.C.7 of the Interim Guidelines, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. If a contractor requests to use its ICS credits to pay back an overrun, the contractor's ICS account(s) shall be reduced by the amount of the payback prior to calculating the evaporation loss and the remaining ICS credits available to the contractor.

⁴ In accordance with Section 3.B.7 of the Interim Guidelines, a 3 percent evaporation loss shall be applied annually to the EOY balance of Extraordinary Conservation ICS beginning in the Year after the ICS is created and continuing until no Extraordinary Conservation ICS remains in Lake Mead.

⁵ The EOY balance of ICS including creation, reductions, and delivery taking place in the reporting year.

⁶ The Warren H. Brock Reservoir became operational in 2010. Per the funding agreement of December 13, 2007, in 2010 CAWCD and MWD each received 100,000 af of System Efficiency (SE) ICS credits, and SNWA received 400,000 af of SE ICS credits.

⁷ A Pilot Run of the YDP conducted between May 2010 and March 2011 conserved 30,496 af of water. Per the funding agreement of October 29, 2009, CAWCD, MWD, and SNWA received SE ICS credits in proportion to the water conserved by the YDP and their respective capital contributions.

⁸ As referenced in Column 5, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA. The CRWDA, Exhibit B, provided for an 80,000 af transfer from IID to SDCWA in 2011. In 2011, IID conserved 63,278 af to support the IID-SDCWA transfer and, in 2011, entered into following contracts to conserve the remaining 16,722 af in 2012. In the Colorado River Water Accounting and Use Report for 2011, Reclamation credited MWD with an Extraordinary Conservation (EC) ICS creation amount based on an assumed 2011 delivery of 80,000 af of conserved water, noting that the appropriate accounting for the 2011 IID-SDCWA transfer was under review by Reclamation. Reclamation's review is complete and this 2012 report reflects a transfer of 63,278 af from IID to SDCWA in 2011. As a result, MWD's 2011 EC ICS creation amount of 185,705 af was adjusted downward by 16,722 af. After applying the 5 percent reduction for system assessment, the resulting 2011 EC ICS EOY Balance has been revised from 344,439 af to 328,553 af, shown as the 2012 BOY Balance above.

⁹ The verified amounts of Tributary Conservation ICS and Imported ICS created by SNWA in 2011 are 29,854 af and 3,857 af, respectively. After applying the 5 percent reduction for system assessment, the 2011 EOY Tributary Conservation ICS balance is 28,361 af; the 2011 EOY Imported ICS balance is 3,664 af. In accordance with Section 3.A.2 of the Interim Guidelines, these amounts, totaling 32,025 af, were converted to Extraordinary Conservation ICS at the beginning of 2012.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012

The table below includes agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2012. In prior years, electronic copies of these documents were included on a CD enclosed with the report. Beginning with this 2012 report, these documents are available only on Reclamation's website at: www.usbr.gov/lc/region/g4000/wtracct.html. Acronyms used below are defined on page 1, "Acronyms and Abbreviated Terms", of this report.

RECORD OF DECISIONS	
1.	The Record of Decision for Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead dated December 13, 2007. This document provides the frame work used by the Secretary of the Interior for shortage, coordinated operation of Lake Powell and Lake Mead, and to encourage conservation, plan for shortages, implement closer coordination of operations of Lake Powell and Lake Mead, preserve flexibility to deal with further challenges
2.	The Record of Decision for the Colorado River Water Delivery Agreement: Implementation Agreement, Inadvertent Overrun and Payback Policy, and Related Federal Actions Final Environmental Impact Statement. The Water Delivery Agreement provides certainty regarding water entitlements that are necessary for continued effective implementation of the Secretary's responsibilities as Water Master on the lower Colorado River.
REPORTS	
3.	2012 Annual Operating Plan Executive Summary that outlines the criteria under which the Colorado River was operated during CY 2012 considering current and anticipated hydrologic conditions.
INTERIM DETERMINATIONS	
4.	The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the Coachella Canal Lining Project, dated January 31, 2008.
5.	The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result the All-American Canal Lining Project, dated December 4, 2009.
AGREEMENTS	
6.	Second Amended Operational Agreement among MWD, CRCN, and SNWA signed October 24, 2012. On October 21, 2004, MWD, CRCN, and SNWA entered into an Operational Agreement that provides additional terms and conditions, consistent with the SIRA, governing operational and financial matters relating to the Storage of Colorado River water and the creation of ICUA. The Second Amended Operational Agreement amends the October 2004 Operational Agreement and addresses, among other things, the storage of ICUA for 2012-2016.

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

INTENTIONALLY CREATED SURPLUS	
7.	MWD's Extraordinary Conservation ICS Certification Report for calendar year 2011 dated October 15, 2012.
8.	Reclamation's letter dated May 14, 2013, verifying MWD's ICS creation for calendar year 2011.
9.	SNWA's Tributary Conservation ICS and Imported ICS Certification Reports for calendar year 2011 dated January 15, 2013.
10.	Reclamation's letter dated April 17, 2013, verifying SNWA's ICS creation for calendar year 2011.
11.	MWD's Extraordinary Conservation ICS Plan of Creation for calendar year 2012 dated July 25, 2011.
12.	Reclamation's letter dated March 29, 2012, approving MWD's Extraordinary Conservation ICS Plan of Creation for calendar 2012.
13.	IID's Extraordinary Conservation ICS Plan of Creation for calendar year 2012 dated June 17, 2011.
14.	Reclamation's letter dated December 30, 2011, approving IID's Extraordinary Conservation ICS plan of creation for calendar 2012.
15.	SNWA's Tributary Conservation ICS and Imported ICS Plans of Creation for calendar year 2012 dated June 30, 2011.
16.	Reclamation's letter dated December 30, 2011, approving SNWA's 2012 ICS Plans of Creation for Tributary Conservation ICS and Imported ICS.

INTERSTATE WATER BANKING	
17.	AWBA's letter dated December 15, 2010, indicating they would not be storing water for SNWA through 2014.
18.	SNWA's letter dated November 29, 2012, notifying Reclamation of the availability of Nevada unused apportionment in 2012 for storage by MWD.
19.	MWD's letter dated December 26, 2012, confirming its ability to divert up to 65,000 acre-feet of Nevada unused apportionment in 2012 and seeking Reclamation's approval to do so.
20.	Reclamation's letter to MWD dated January 21, 2013, approving MWD to store up to 65,000 acre-feet of Nevada unused apportionment.

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

INTERSTATE WATER BANKING	
21.	Reclamation's letter to SNWA dated January 21, 2013, confirming the existence of and release of up to 65,000 acre-feet of Nevada unused apportionment for storage by MWD.
22.	MWD's letter dated March 12, 2013, report on SNWA's interstate water banking account for 2012.

INADVERTENT OVERRUN AND PAYBACK POLICY	
23.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by Beattie Farms Southwest dated June 22, 2012.
24.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by the Cocopah Indian Tribe dated June 20, 2012.
25.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by the Fort Mojave Indian Tribe dated June 20, 2012.
26.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by Imperial Irrigation District dated June 20, 2012.
27.	Notice of Projected Calendar Year 2012 Colorado River Water Use and Possible Overrun by Beattie Farms Southwest dated December 13, 2012.
28.	Notice of Projected Calendar Year 2012 Colorado River Water Use and Possible Overrun by the Imperial Irrigation District dated October 2, 2012.
29.	Beattie Farms Southwest IOPP Payback Plan for Calendar Years 2013-2015 dated August 9, 2012.
30.	Letter approving the IOPP Payback Plan for Calendar Years 2013-2015 for Beattie Farms Southwest, dated December 31, 2012.
31.	Fort Mojave Indian Tribe California Reservation IOPP 2013 Payback Plan dated July 20, 2012.
32.	Letter approving the IOPP Payback Plan for Calendar Year 2013 for the Fort Mojave Indian Tribe – California Reservation, dated December 31, 2012.
33.	IID 2013 IOPP Payback Plan dated September 20, 2012.

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

INADVERTENT OVERRUN AND PAYBACK POLICY

34.	IID 2013 IOPP Payback Plan Approval dated May 14, 2013.
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DOCUMENTS RELATING TO THE COLORADO RIVER WATER DELIVERY AGREEMENT

35.	IID's letter dated November 7, 2012, to Commissioner Connor regarding advanced deliveries to the Salton Sea in 2010.
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36.	Commissioner Connor letter dated November 13, 2012, responding to IID's letter dated November 7, 2012, regarding advanced deliveries to the Salton Sea in 2010.
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37.	Reclamation's letter to IID dated May 3, 2013, regarding resolution of IID's 2010 delivery of Colorado River water to the Salton Sea.
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38.	CAWCD, MWD, and SNWA's joint letter to Reclamation dated November 19, 2012, expressing their desire that any unused Colorado River water for calendar year 2012 be left in Lake Mead to meet the demands for future years.
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39.	A letter from the Chairman of the Program Coordinating Committee to IID dated January 10, 2012, verifying the amount of water conserved by Project 18 in 2012.
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40.	CVWD's letter dated December 10, 2012, projecting the estimated amount of 2012 environmental mitigation water for the Coachella Canal Lining Project, and the remaining water available for transfer to the SDCWA.
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41.	Reclamation's letter to CVWD dated December 31, 2012, acknowledging CVWD's estimate of the amount of water used in 2012 for environmental mitigation for the Coachella Canal Lining Project, and the amount of water available to SDCWA.
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42.	An email from CVWD revising and verifying the amount of water used in 2012 for environmental mitigation for the Coachella Canal Lining Project and the amount of water available to SDCWA.
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**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

WATER ACCOUNTING	
43.	A description on how irrigation water is accounted for by the USGS for areas where estimates of diversion are required.
44.	Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations for Arizona and California.

UNITED STATES-MEXICO 1944 WATER TREATY RELATED	
45.	Minute No. 314 – Extension of the temporary emergency delivery of Colorado River water for use in Tijuana, Baja California.
46.	Minute No. 318 – Adjustment of delivery schedules for water allotted to Mexico for the years 2010 through 2013 as a result of infrastructure damage in Irrigation District 014, Rio Colorado, caused by the April 2010 earthquake in the Mexicali Valley, Baja California.
47.	Minute No. 319 – Interim international cooperative measures in the Colorado River Basin through 2017 and extension of Minute 318 cooperative measures to address the continued effects of the April 2010 earthquake in the Mexicali Valley, Baja California.

RECEIVED

JUL 12 2010

GENERAL MANAGER



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

July 7, 2010

Ms. Maureen Stapleton
General Manager
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233

Dear Ms. Stapleton:

June 21, 2010, Request for Wheeling Services for Transfer Water

I am responding to your June 21, 2010, letter requesting wheeling service for transfer water that San Diego County Water Authority (SDCWA) is pursuing with San Juan Water District (SJWD) and Santa Clara Valley Water District (SCVWD) for 2010.

The Metropolitan Water District of Southern California (Metropolitan) understands that the transfer supply would be developed by SJWD pumping groundwater supplies and foregoing 2,500 acre-feet (AF) of its Central Valley Project (CVP) surface supplies. SCVWD would then take ownership of this CVP supply and release 1,250 AF of its State Water Project (SWP) supplies to SDCWA.

Metropolitan does not consent to the movement of SWP water by other entities into its service territory. As such, Metropolitan would not consent to delivery of these supplies. If SDCWA processes a change in place of use from the State Water Resources Control Board for CVP supplies from SJWD, then Metropolitan will provide transportation for this water as non-SWP supplies. The rates charged for transportations would be those adopted by Metropolitan's Board.

I am returning your \$5,000 check submitted to cover Metropolitan's administrative costs associated with a transfer request. This will not be needed as we cannot process your request for wheeling on this proposed transaction.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Ms. Maureen Stapleton

Page 2

July 7, 2010

Metropolitan looks forward to working with SDCWA as the region addresses its water supply challenges in 2010. If you have any questions regarding this letter please contact me at (213) 217-6211, or by email at jkightlinger@mwdh2o.com.

Sincerely,



Jeffrey Kightlinger
General Manager

DNU:vs

o:\a\s\c\2010\DNU_SDCWA June21 2010RequestForWheelingSvcsResponse(condensed).doc

Enclosure

cc: J. Kightlinger
D. C. Man
B. G. Thomas
K. L. Tachiki
S. B. Bennion
D. N. Upadhyay
S. P. Hirsch
J. Roberts
J.M. Skillman
J. L. Scott
WRM Files

PTX0358

Check Date: 4/5/2010

Vendor Number: 0000011002

Check No. 512363

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount	Amount Taken	Late Charge	Paid Amount
032510	Mar/25/2010	00244301	5,000.00		0.00	0.00	5,000.00

Check Number	Date	Total Gross Amount	Total Discounts	Total Late Charges	Total Paid Amount
512363	4/5/2010	\$5,000.00	\$0.00	\$0.00	\$5,000.00

ORIGINAL CHECK RETURNED TO FINANCE 7/16/10

DO NOT ACCEPT THIS CHECK UNLESS THE PINK LOCK & KEY ICONS FADE WHEN WARMED AND YOU CAN SEE HEXAGONS IN A DUAL-TONE TRUE WATERMARK WHEN HELD TO THE LIGHT



San Diego County Water Authority

4677 Overland Avenue
San Diego, CA 92123

Date: 4/5/2010

WELLS FARGO
401 "B" Street, Suite 2201
San Diego, CA 92101
11-24/1210(8)

512363

Void After 90 Days

Pay Amount \$5,000.00***

Pay ****FIVE THOUSAND AND XX / 100 DOLLAR****

To The Order Of METROPOLITAN WATER DISTRICT
Of Southern California
PO Box 54153 Terminal Annex
Los Angeles, CA 90054

Li J. Sauer

Authorized Signature

⑈ 5 1 2 3 6 3 ⑈ ⑆ 1 2 1 0 0 0 2 4 8 ⑆ 4 1 5 9 4 1 7 1 3 8 ⑈

RUB OR BREATHE ON THE PINK LOCK & KEY ICONS—COLOR WILL FADE AND THEN REAPPEAR ON AN AUTHENTIC CHECK—IF COLOR DOES NOT FADE DO NOT ACCEPT



San Diego County Water Authority

4677 Overland Avenue • San Diego, California 92123-1233
(858) 522-6600 FAX (858) 522-6568 www.sdcwa.org

June 21, 2010

Jeffrey Kightlinger
General Manager
Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153

MEMBER AGENCIES

Carlsbad
Municipal Water District
City of Del Mar
City of Escondido
City of National City
City of Oceanside
City of Poway
City of San Diego
Fallbrook
Public Utility District
Helix Water District
Lakeside Water District
Olivenhain
Municipal Water District
Otay Water District
Padre Dam
Municipal Water District
Camp Pendleton
Marine Corps Base
Rainbow
Municipal Water District
Ramona
Municipal Water District
Rincon del Diablo
Municipal Water District
San Dieguito Water District
Santa Fe Irrigation District
South Bay Irrigation District
Vallecitos Water District
Valley Center
Municipal Water District
Vista Irrigation District
Yuma
Municipal Water District

OTHER REPRESENTATIVE

County of San Diego

Re: Request for Wheeling Service for Transfer Water

Dear Jeff:

The Water Authority, San Juan Water District and Santa Clara Valley Water District have approved terms for an innovative three-party water transfer program designed to demonstrate the viability of transfers under the Sacramento Water Forum Agreement. Under this pilot water transfer program, San Juan will forego diversion of 2,500 acre-feet of its CVP surface water in the Lower American River and replace that water locally through groundwater substitution. The foregone surface water will benefit the environment and recreation in the Lower American River. The surface water becomes available for transfer when reaches the Sacramento River. Under the terms of a three-party agreement, San Juan's CVP water will be conveyed to Santa Clara. Santa Clara, in turn, will exchange half of that amount to the Water Authority – 1,250 acre-feet -- using its State Water Project supplies.

The purpose of this letter is to request: 1) wheeling service from Metropolitan during 2010 to transport up to 1,250 acre-feet of this water; and 2) Metropolitan's consent for the Water Authority to receive Santa Clara's State Water Project water as the source of the exchange water.

The wheeling service is requested pursuant to applicable law. A check in the amount of \$5,000 to pay the administrative fee specified by Section 4405 is enclosed. The Water Authority requests that Metropolitan establish a price for the wheeling service that reflects solely the cost of transportation. The Water Authority notes that it has paid for the right to use Metropolitan's capacity in the State Water Project by payment of Metropolitan's full service water rate. The Water Authority is willing to pay any actual costs paid by Metropolitan to the Department of Water Resources for the transportation of the water that is the subject of this request. Please advise me whether Metropolitan will provide wheeling services under these conditions, or instead will insist on application of the pricing provisions of Metropolitan's Administrative Code.

Mr. Jeffrey Kightlinger
June 21, 2010
Page 2

The Water Authority requests that Metropolitan provide the necessary coordination to ensure all issues, including delivery schedules, through-delta conveyance capacity, and any other operational matters are timely addressed with Department of Water Resources and the State Water Project. The Water Authority understands that the water may not be able to move through the Banks pumping plant in 2010 due to the regulatory constraints. While the Water Authority accepts this risk, it is also working with its partner agencies to "bank" or exchange this water until a later year when movement of the water may be more likely.

I have asked my assistant to schedule a short call early next week to review this request and answer any questions you may have, as well as discuss coordination of our respective staff efforts. Thank you in advance for your cooperation.

Sincerely,



Maureen A. Stapleton
General Manager

Enclosure

cc:

Rob Cooke, State Water Project Analysis Office, Department of Water Resources
Nancy Quan, State Water Project Analysis Office, Department of Water Resources
Craig Trombley, State Water Project Analysis Office, Department of Water Resources
Mike Finnegan, U.S. Bureau of Reclamation
Paul Fujitani, U.S. Bureau of Reclamation

From: Thomas,Brian G
Sent: Wednesday, February 19, 2003 6:35 PM
To: Kightlinger,Jeffrey; Cole,Kathy
Subject: RE: Latest Slater Proposal

Just a couple of quick thoughts on the latest proposal and my responses to Paul's questions:

a. There are constraints on the capacity in the system and MWD and SDCWA could end up competing for the same supplies. More importantly, we would be giving favorable treatment to SDCWA to move water on the SWP - this is simply extending SDCWA's logic of a point to point wheeling rate to the SWP system. They sought water on the Colorado system because they perceived that they had a willing seller and that their wheeling theory would result in lower wheeling rates there than on the SWP. It is clear where SDCWA is headed when they write that the "...lawful wheeling rate (generally equivalent to the continuation of the exchange rate identified in the Exchange Agreement)...." This implies they believe that any rate different than the favorable rate they have received is not lawful and they are already arguing their case in their proposal.

b. The waiver is based more on the notion of overlapping territories - that is, that providing SWP water within a SWP contractor doesn't make any sense, since the water is the same and the contractor has already paid for the supplies.

c. While SDCWA is talking about purchasing entitlement, it is not clear that is what they are doing. In fact, in 6 (a) they argue that we MWD would agree to "...exchange any water made available to it by SDCWA under the SWP (inclusive of non-project water...) This implies they may be acquiring surplus supplies from another contractor or supplier and simply moving it over the California Aqueduct.

d. This proposal is problematic because it requires MWD to offer a lower wheeling rate than the State would charge for non-contractors to wheel water on the project. It would be difficult to get our other member agencies to agree to continue to subsidize SDCWA-but, now it is for SWP supplies!

e. We rejected this proposal several months ago.

f. They are capping the amount of water moved to the amount previously agreed in the Exchange Agreement. They can't seem to get the "cheap" Colorado River water from IID and want to change the location from which they receive water.

g. This increases transfers from northern California because we can't get the water from the Colorado River. This is exactly what the environmentalists and others are concerned about. The purpose of the QSA is to get a full CRA and Interim Surplus Guidelines. This proposal moves away from that purpose and instead reveals the transaction for what it is - a way for SDCWA to secure its own water supply.

h. We should not agree to exempt the exchange water from the RTS and CRC.

Thanks for letting me take a look at this - it sounds like a long day.

Brian

-----Original Message-----

MWD2010-00450759

From: Kuwaye,Susan S On Behalf Of Kightlinger,Jeffrey
Sent: Wednesday, February 19, 2003 11:05 AM
To: Thomas,Brian G; Cole,Kathy
Subject: FW: Latest Slater Proposal

Kathy, if you return to the office at noon, please print out for Jeff. Susan

-----Original Message-----

From: ack@harkinscunningham.com [<mailto:ack@harkinscunningham.com>]
Sent: Wednesday, February 19, 2003 10:48 AM
To: pac@harkinscunningham.com; jkightlinger@mwdh2o.com; dunderwood@mwdh2o.com
Subject: Latest Slater Proposal

What would be the effect of the SWP waiver that the proposal contemplates?
Would SDCWA and MWD then be competing with each other for the same SWP entitlements? If so,
would the waiver limit in any way MWD's ability to compete, e.g., is there an overall
capacity constraint on MWD's ability to acquire SWP water?