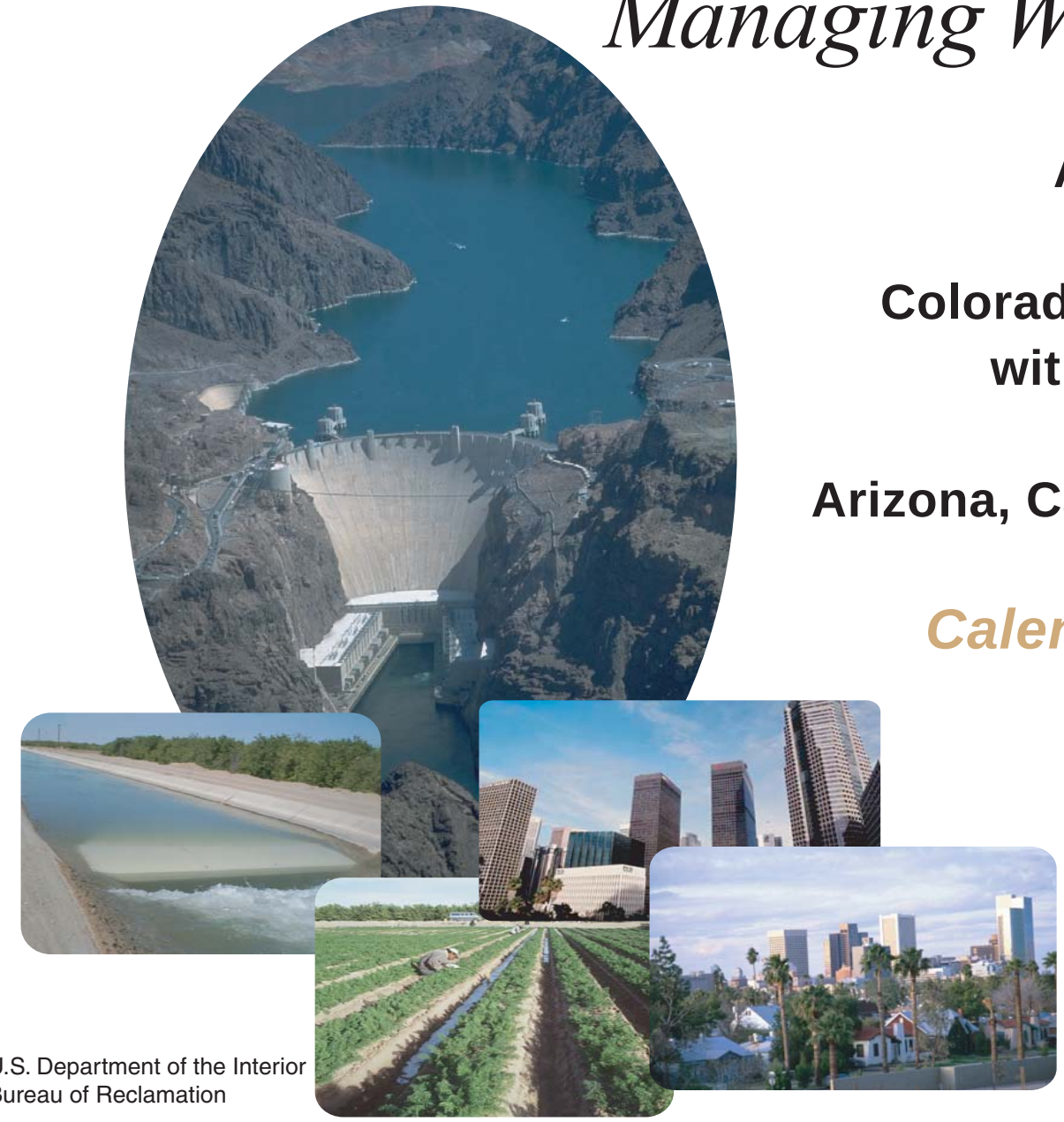
# RECLAMATION

*Managing Water in the West*



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

## *Calendar Year 2003*

U.S. Department of the Interior
Bureau of Reclamation

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

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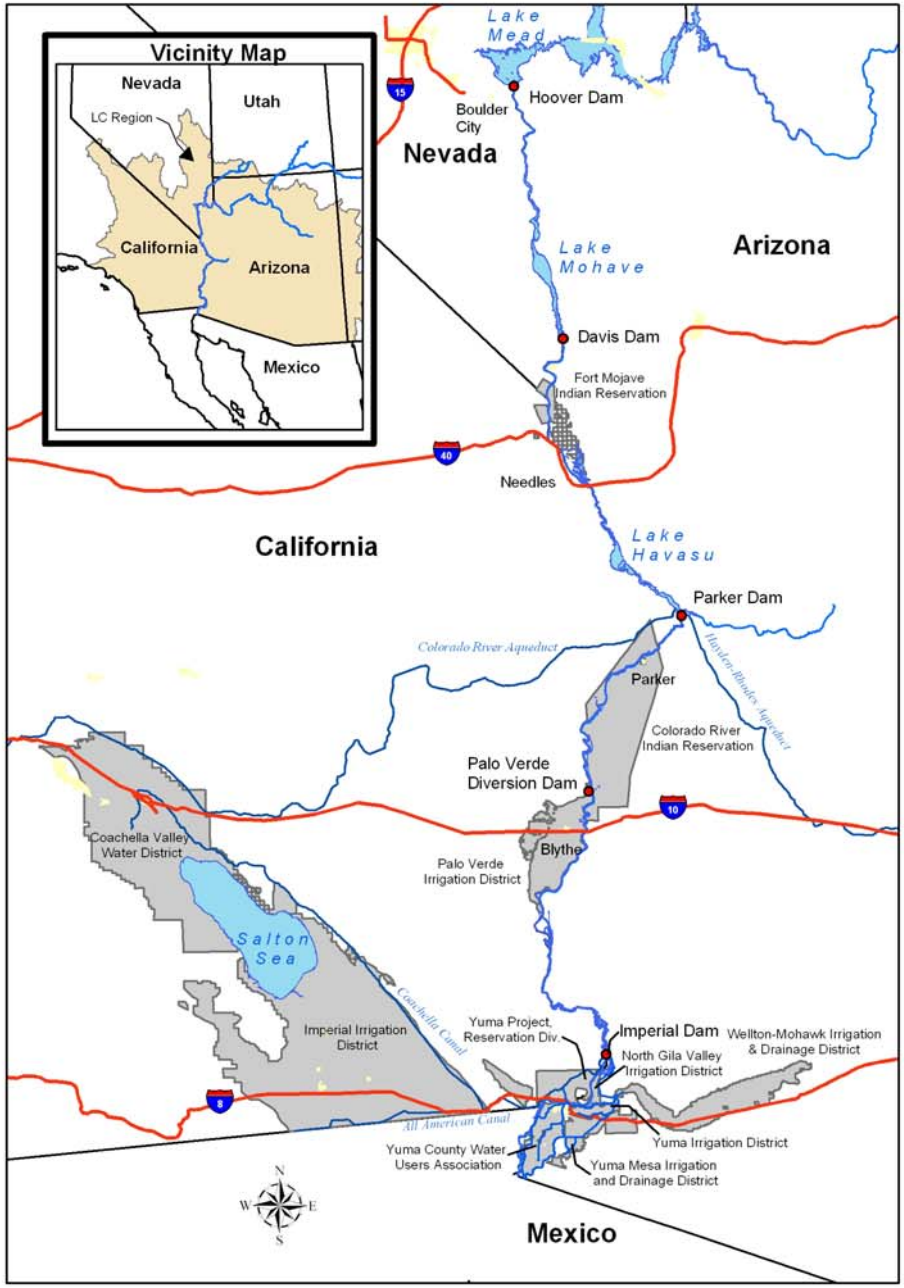


# Approximate Area Covered by The Lower Colorado River Accounting Report

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

# S U M M A R Y

## CONSUMPTIVE USE BY STATE, RESERVOIR CONTENTS, LCWSP AND SIRA

## CALENDAR YEAR 2003

6/15/2005 (ACRE-FEET)

| | | 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-foo
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 (THOUSAND ACRE-FEET)

| | | DEC 2002 | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | CY CHANGE 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 "Diversions 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

06/15/05 (ACRE-FEET)

| STRUCTURE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 bv 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 | DIVERSION | 7 | 7 | 8 | 12 | 14 | 20 | 20 | 19 | 17 | 13 | 10 | 7 | 154 |
| (TEMPLE BAR) | 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 | DIVERSION | 12 | 11 | 14 | 16 | 25 | 27 | 36 | 35 | 24 | 19 | 17 | 9 | 245 |
| (KATHERINE, WILLOW BEACH) | 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 | DIVERSION | 619 | 492 | 582 | 621 | 710 | 821 | 989 | 861 | 769 | 857 | 609 | 620 | 8,550 |
| DIV. AT DAVIS DAM, MOHAVE CO. PARKS | 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 | 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 |
| PUMPED FROM TOPOCK MARSH INLET | 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 | 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 |
| DELIVERED BY CITY OF NEEDLES | 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 | DIVERSION 3/ | 789 | 1,343 | 6,897 | 6,251 | 6,107 | 5,571 | 5,144 | 3,013 | 2,230 | 3,174 | 1,208 | 1,270 | 42,997 |
| PUMPED BY 1 WELL IN FLOODPLAIN | DIVERSION 2/ | 10 | 8 | 14 | 15 | 18 | 22 | 24 | 23 | 18 | 15 | 11 | 11 | 190 |
| | MEAS. RETURNS | 0 | 0 | 0 | 3,626 | 2,227 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 5,868 |
| | UNMEAS. RETURNS | 703 | 1,189 | 6,082 | 2,323 | 3,430 | 4,909 | 4,548 | 2,672 | 1,978 | 2,807 | 1,073 | 1,127 | 32,841 |
| | CONSUMPTIVE USE | 96 | 162 | 829 | 317 | 468 | 669 | 620 | 364 | 270 | 382 | 146 | 154 | 4,478 |
| LAKE HAVASU I.D.D. (CITY) | | | | | | | | | | | | | | |
| DISTRICT PUMPED FROM WELLS | DIVERSION | 980 | 863 | 1,026 | 1,192 | 1,500 | 1,832 | 1,869 | 1,702 | 1,509 | 1,511 | 1,179 | 1,061 | 16,224 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 372 | 328 | 390 | 453 | 570 | 696 | 710 | 647 | 573 | 574 | 448 | 403 | 6,164 |
| | CONSUMPTIVE USE | 608 | 535 | 636 | 739 | 930 | 1,136 | 1,159 | 1,055 | 936 | 937 | 731 | 658 | 10,060 |
| CENTRAL ARIZONA PROJECT | | | | | | | | | | | | | | |
| PUMPED FROM LAKE HAVASU | DIVERSION | 178,610 | 167,194 | 188,023 | 175,595 | 183,816 | 143,877 | 75,528 | 48,221 | 54,019 | 124,815 | 174,720 | 170,772 | 1,685,190 |
| | 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 | 178,610 | 167,194 | 188,023 | 175,595 | 183,816 | 143,877 | 75,528 | 48,221 | 54,019 | 124,815 | 174,720 | 170,772 | 1,685,190 |
| TOWN OF PARKER | | | | | | | | | | | | | | |
| PUMPED FROM 1 MUNICIPAL WELL | DIVERSION 4/ | 49 | 44 | 56 | 70 | 98 | 109 | 118 | 106 | 87 | 84 | 55 | 50 | 928 |
| | MEAS. RETURNS | 23 | 21 | 23 | 22 | 22 | 25 | 26 | 27 | 25 | 26 | 25 | 25 | 290 |
| | UNMEAS. RETURNS | 14 | 13 | 16 | 20 | 28 | 31 | 34 | 30 | 25 | 24 | 16 | 14 | 265 |
| | CONSUMPTIVE USE | 12 | 10 | 17 | 28 | 48 | 53 | 58 | 49 | 37 | 34 | 14 | 11 | 373 |
| COLORADO RIVER INDIAN RESERVATION | | | | | | | | | | | | | | |
| DIVERSION AT HEADGATE ROCK DAM | DIVERSION | 23,070 | 20,780 | 45,490 | 65,680 | 74,320 | 73,330 | 80,370 | 68,580 | 55,770 | 40,170 | 21,580 | 26,810 | 595,950 |
| 2 PUMPS & TOWN OF PARKER DELIVERY | DIVERSION 5/ | 539 | 269 | 393 | 980 | 1,208 | 1,273 | 1,758 | 1,525 | 1,277 | 570 | 254 | 302 | 10,348 |
| | MEAS. RETURNS | 14,422 | 14,276 | 15,872 | 20,338 | 21,460 | 18,990 | 20,059 | 20,014 | 19,726 | 18,240 | 15,684 | 15,040 | 214,121 |
| | UNMEAS. RETURNS | 1,298 | 1,158 | 2,524 | 3,666 | 4,154 | 4,103 | 4,517 | 3,856 | 3,138 | 2,241 | 1,201 | 1,491 | 33,347 |
| | CONSUMPTIVE USE | 7,889 | 5,615 | 27,487 | 42,656 | 49,914 | 51,510 | 57,552 | 46,235 | 34,183 | 20,259 | 4,949 | 10,581 | 358,830 |
| EHRENBURG IMPROVEMENT ASSN. | | | | | | | | | | | | | | |
| | DIVERSION | 34 | 35 | 37 | 41 | 49 | 55 | 55 | 55 | 51 | 49 | 38 | 33 | 532 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 10 | 10 | 11 | 12 | 14 | 16 | 16 | 16 | 15 | 14 | 11 | 9 | 154 |
| | CONSUMPTIVE USE | 24 | 25 | 26 | 29 | 35 | 39 | 39 | 39 | 36 | 35 | 27 | 24 | 378 |
| CIBOLA VALLEY IRRIGATION DISTRICT | | | | | | | | | | | | | | |
| PUMPED FROM 3 PUMPS | DIVERSION | 274 | 1,506 | 1,141 | 1,883 | 1,267 | 3,732 | 4,700 | 3,416 | 3,060 | 2,395 | 1,616 | 2,079 | 27,069 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 78 | 429 | 325 | 537 | 361 | 1,064 | 1,340 | 974 | 872 | 683 | 461 | 593 | 7,717 |
| | CONSUMPTIVE USE | 196 | 1,077 | 816 | 1,346 | 906 | 2,668 | 3,360 | 2,442 | 2,188 | 1,712 | 1,155 | 1,486 | 19,352 |
| CIBOLA NATIONAL WILDLIFE REFUGE | | | | | | | | | | | | | | |
| PUMPED FROM 5 PUMPS | DIVERSION | 1,157 | 661 | 1,138 | 1,133 | 1,302 | 1,100 | 956 | 946 | 1,482 | 1,814 | 900 | 853 | 13,442 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 440 | 251 | 432 | 431 | 495 | 418 | 363 | 359 | 563 | 689 | 342 | 324 | 5,107 |
| | CONSUMPTIVE USE | 717 | 410 | 706 | 702 | 807 | 682 | 593 | 587 | 919 | 1,125 | 558 | 529 | 8,335 |
| IMPERIAL NATIONAL WILDLIFE REFUGE | | | | | | | | | | | | | | |
| PUMPED FROM 2 WELLS | DIVERSION 2/ | 160 | 90 | 98 | 158 | 235 | 1,511 | 297 | 184 | 281 | 111 | 65 | 152 | 3,343 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 61 | 34 | 37 | 60 | 89 | 574 | 113 | 70 | 107 | 42 | 25 | 58 | 1,270 |
| | CONSUMPTIVE USE | 99 | 56 | 61 | 98 | 146 | 937 | 184 | 114 | 174 | 69 | 40 | 94 | 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 |
| | DOME 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 | DIVERSION | 29 | 39 | 39 | 74 | 53 | 89 | 78 | 4 | 79 | 67 | 32 | 34 | 617 |
| (WARREN ACT) | 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 | 2 | 1 | 2 | 1 | 0 | 20 |
| | CONSUMPTIVE USE | 5 | 7 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 1 | 1 | 48 |
| CAMILLE, ALEC. JR. | | | | | | | | | | | | | | |
| DIVERSION AT IMPERIAL DAM | DIVERSION | 0 | 0 | 0 | 4 | 5 | 20 | 14 | 69 | 3 | 3 | 0 | 2 | 120 |
| (WARREN ACT) | 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 | 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 |
| PUMPED FROM PRIVATE WELLS | 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 | 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 |
| PUMPED FROM WELLS | 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/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COCOPAH 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 COCOPAH | DIVERSION | 187 | 177 | 217 | 428 | 551 | 351 | 306 | 335 | 405 | 379 | 490 | 268 | 4,093 |
| PUMPED FROM WELLS, WEST COCOPAH | DIVERSION 8/ | Wells in the West Cocopah Reservation are in the Limitrophe Section and are considered to be pumping non-Colorado | | | | | | | | | | | | |
| | MEAS. RETURNS | 0 | 0 | 4 | 0 | 3 | 1 | 7 | 52 | 0 | 0 | 9 | 6 | 82 |
| | UNMEAS. RETURNS | 63 | 60 | 74 | 146 | 187 | 119 | 104 | 114 | 138 | 129 | 166 | 91 | 1,391 |
| | CONSUMPTIVE USE | 124 | 117 | 353 | 282 | 497 | 287 | 623 | 2,830 | 267 | 250 | 510 | 305 | 6,445 |
| YUMA AREA OFFICE, USBR | | | | | | | | | | | | | | |
| DIVERSION FROM RIVER AND M.O.D.E. | DIVERSION 2/ | 61 | 49 | 83 | 90 | 110 | 133 | 145 | 140 | 110 | 92 | 65 | 64 | 1,140 |
| | MEAS. RETURNS | 51 | 41 | 70 | 75 | 92 | 112 | 122 | 118 | 92 | 77 | 55 | 54 | 960 |
| | UNMEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CONSUMPTIVE USE | 10 | 8 | 13 | 14 | 17 | 21 | 23 | 22 | 17 | 15 | 10 | 10 | 180 |
| PUMPED FROM SOUTH GILA WELLS (DPOC'S) | MEAS. RETURNS 9/ | 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 |
| | 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 |
| OTHER USERS PUMPING FROM THE COLORADO | | | | | | | | | | | | | | |
| RIVER AND WELLS IN THE FLOOD PLAIN | DIVERSION 10/ | 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 |
| (Itemized listing begins on p.13) | 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 TOTALS | | | | | | | | | | | | | | |
| | 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 measured 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/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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 a 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/ | DIVERSION | 1 | 1 | 2 | 2 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 26 |
| | | 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 | 9 |
| | | CONSUMPTIVE USE | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 17 |
| 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 34º50'17.8"N 114º34'11.0"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 | | | | | | | | | | | | 0 |
| Pelican Bend Farm 34º50'08.3"N 114º34'29.4"W | 2/3/ | ADP-08 | | | | | | | | | | | | | 0 |
| 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. (Havasu 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/ | DIVERSION | 50 | 46 | 50 | 54 | 65 | 77 | 93 | 83 | 86 | 82 | 58 | 62 | 806 |
| | | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | UNMEAS. RETURNS | 18 | 16 | 18 | 19 | 23 | 27 | 33 | 29 | 30 | 29 | 20 | 22 | 284 |
| | | CONSUMPTIVE USE | 32 | 30 | 32 | 35 | 42 | 50 | 60 | 54 | 56 | 53 | 38 | 40 | 522 |
| 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. 33º41'24.6"N 114º30'45.9"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. 33º41'24.6"N 114º30'45.9"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 33º18'09.8"N 114º40'36.3"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/ | DIVERSION | 443 | 624 | 201 | 466 | 508 | 505 | 711 | 775 | 741 | 424 | 217 | 299 | 5914 |
| | | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | UNMEAS. RETURNS | 155 | 218 | 70 | 163 | 178 | 177 | 249 | 271 | 259 | 148 | 76 | 105 | 2069 |
| | | CONSUMPTIVE USE | 288 | 406 | 131 | 303 | 330 | 328 | 462 | 504 | 482 | 276 | 141 | 194 | 3845 |
| YUMA ISLAND - AZ | | | | | | | | | | | | | | | |
| Bard Date Gardens 32º44'50.9"N 114º31'56.3"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 32º44'26.5"N 114º31'52.4"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 32º43'17.8"N 114º33'50.2"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 32º43'59.7"N 114º33'41.4"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 32º44'32.9"N 114º33'36.7"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 32º43'47.1"N 114º32'49.1"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 |
| Yowelman, R. 32º43'59.9"N 114º32'44.4"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 32º43'59.9"N 114º32'44.4"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. | 32º49'31.2"N 114º29'10.3"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. | 32º42'48.1"N 114º33'33.7"W | 5/ | AEW-06 | | | | | | | | | | | | | 0 |
| Ott, Judd T. | 32º42'49.4"N 114º33'34.9"W | 5/3/ | AEW-07 | | | | | | | | | | | | | 0 |
| Cameron Brothers | 32º42"34.0"N 114º34'13.1"W | 5/ | AEW-08 | Pumpage from these wells is added to YID diversions and returns, listed on page 10 as Pumped from Private Well | | | | | | | | | | | | 0 |
| Cameron Brothers | 32º43"00.0"N 114º34'28.1"W | 5/3/ | AEW-10 | Pumped from Wells - Measured Return | | | | | | | | | | | | 0 |
| Cameron Brothers | 32º42"59.7"N 114º34'43'.4"W | 5/3/ | AEW-11 | | | | | | | | | | | | | 0 |
| Peach | 32º42'21.9"N 114º34'50.5"W | 5/3/ | AEW-41 | | | | | | | | | | | | | 0 |
| Ogram, George | 32º42'54.2"N 114º34"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 | 32º42'47.3"N 114º35'35.0"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 | 32º42'49.0"N 114º36'05.3"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 | 32º43'53.2"N 114º39'21.9"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 | 32º44'00.3"N 114º40'03.9"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. | 32º44'10.2"N 114º40'45.5"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 | 32º43'55.6"N 114º41'26.3"W | 5/ | AEW-15 | | | | | | | | | | | | | 0 |
| Doug Mellon Farms | 32º44'10.0"N 114º41'56.4"W | 5/ | AEW-16 | The total pumpage from these wells is listed on page 11 as: "Pumped from Wells, North Cocopah" | | | | | | | | | | | | 0 |
| Cocopah Bend RV Park | SEC30 T16S R22E BDB | 2/3/ | | | | | | | | | | | | | | 0 |
| Hall, Ansil | 32º43'26.6"N 114º42'54.8"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 | 32º38'11.4"N 114º45'47.0"W | | AEW-17 | | | | | | | | | | | | | 0 |
| Glen Curtis Citrus | 32º38'11.4"N 114º45'47.0"W | | AEW-18 | | | | | | | | | | | | | 0 |
| Glen Curtis Citrus | 32º38'11.4"N 114º45'47.0"W | | AEW-19 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º37'27.4"N 114º46'19.8"W | | AEW-21 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º37'03.9"N 114º46'19.3"W | | AEW-22 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º36'57.7"N 114º46'20.0"W | | AEW-23 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º36'52.6"N 114º47'18.0"W | | AEW-27 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º36'39.2"N 114º47'10.8"W | | AEW-30 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º35'41.2"N 114º46'55.3"W | | AEW-31 | Based on well location, the pumpage from these wells is considered to be non-Colorado River water. The wells are | | | | | | | | | | | | 0 |
| Jim Cuming | 32º37'06.2"N 114º46'55.9"W | | ADW-06 | located south of Mexico's diversion near the Northerly International Boundary, along the river between the levee | | | | | | | | | | | | 0 |
| Jim Cuming | 32º37'06.2"N 114º46'55.9"W | | ADW-07 | and the river channel in the area known as the Limitrophe section. See Footnote 8, below. | | | | | | | | | | | | 0 |
| Jim Cuming | 32º35'05.5"N 114º47'42.4"W | | ADW-08 | | | | | | | | | | | | | 0 |
| Waymon Farms | 32º36'39.0"N 114º46'09.8"W | | AEW-28 | | | | | | | | | | | | | 0 |
| Waymon Farms | 32º36'38.4"N 114º45'54.6"W | | AEW-29 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º33'48.0"N 114º47'21.5"W | 7/ | AEW-32 | | | | | | | | | | | | | 0 |
| Earl Hughs | 32º29'55.8"N 114º48'25.6"W | 7/ | AEW-33 | | | | | | | | | | | | | 0 |
| Burell | 32º41'48.0"N 114º43'46.4"W | 7/ | ADW-05 | | | | | | | | | | | | | 0 |
| Jim Cuming | 32º32'13.5"N 114º47'51.2"W | 7/ | ADW-09 | | | | | | | | | | | | | 0 |
| J. Barkley | 32º30'56.6"N 114º47'56.7"W | 7/ | ADW-10 | | | | | | | | | | | | | 0 |
| Roger S. Brown | 32º30'25.0"N 114º48'02.4"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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**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 | DIVERSION 1/ | 565 | 486 | 981 | 1,695 | 1,732 | 2,355 | 2,219 | 2,029 | 2,251 | 1,408 | 408 | 306 | 16,435 |
| DELIVERED BY CITY OF NEEDLES | DIVERSION | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 | 4 | 4 | 3 | 3 | 46 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 262 | 225 | 455 | 785 | 802 | 1,091 | 1,028 | 940 | 1,042 | 652 | 190 | 143 | 7,615 |
| | CONSUMPTIVE USE | 305 | 263 | 529 | 914 | 934 | 1,269 | 1,197 | 1,095 | 1,213 | 760 | 221 | 166 | 8,866 |
| CITY OF NEEDLES | | | | | | | | | | | | | | |
| PUMPED FROM 4 WELLS IN FLOODPLAIN | DIVERSION | 138 | 110 | 188 | 203 | 248 | 301 | 329 | 316 | 249 | 208 | 148 | 145 | 2,583 |
| | MEAS. RETURNS | 22 | 27 | 37 | 40 | 49 | 59 | 65 | 62 | 49 | 41 | 29 | 29 | 508 |
| | UNMEAS. RETURNS | 24 | 30 | 42 | 45 | 55 | 66 | 73 | 70 | 55 | 46 | 33 | 32 | 570 |
| | CONSUMPTIVE USE 2/ | 92 | 53 | 110 | 118 | 145 | 176 | 192 | 184 | 145 | 121 | 86 | 85 | 1,506 |
| CHEMEHUEVI INDIAN RESERVATION | | | | | | | | | | | | | | |
| PUMPED FROM RIVER AND WELLS | DIVERSION | 0 | 0 | 15 | 17 | 3 | 0 | 2 | 6 | 191 | 190 | 197 | 0 | 621 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 0 | 0 | 7 | 8 | 1 | 0 | 1 | 3 | 88 | 88 | 91 | 0 | 287 |
| | CONSUMPTIVE USE | 0 | 0 | 8 | 9 | 2 | 0 | 1 | 3 | 103 | 102 | 106 | 0 | 334 |
| METROPOLITAN WATER DISTRICT | | | | | | | | | | | | | | |
| DIVERSION FROM LAKE HAVASU | DIVERSION 3/ | 58,009 | 6,390 | 81,919 | 83,190 | 53,477 | 34,569 | 50,924 | 62,910 | 56,943 | 57,644 | 66,941 | 75,127 | 688,043 |
| | MEAS. RETURNS 4/ | 261 | 1,434 | 271 | 251 | 264 | 244 | 266 | 248 | 249 | 259 | 245 | 265 | 4,257 |
| | UNMEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CONSUMPTIVE USE | 57,748 | 4,956 | 81,648 | 82,939 | 53,213 | 34,325 | 50,658 | 62,662 | 56,694 | 57,385 | 66,696 | 74,862 | 683,786 |
| PARKER DAM AND GOVERNMENT CAMP | | | | | | | | | | | | | | |
| DIVERSION AT PARKER DAM | DIVERSION | 8 | 6 | 6 | 4 | 16 | 18 | 24 | 19 | 17 | 18 | 10 | 11 | 156 |
| | MEAS. RETURNS | 2 | 2 | 2 | 2 | 10 | 10 | 10 | 10 | 10 | 1 | 1 | 1 | 62 |
| | UNMEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CONSUMPTIVE USE | 6 | 4 | 4 | 2 | 6 | 8 | 14 | 9 | 7 | 16 | 9 | 9 | 94 |
| COLORADO RIVER INDIAN RESERVATION | | | | | | | | | | | | | | |
| PUMPED FROM 4 RIVER PUMPS | DIVERSION | 52 | 324 | 66 | 305 | 206 | 419 | 349 | 308 | 301 | 314 | 109 | 104 | 2,857 |
| 4 PUMPS - BIG RIVER DEVELOPMENT | DIVERSION | 85 | 64 | 88 | 113 | 161 | 194 | 205 | 179 | 151 | 143 | 93 | 75 | 1,551 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS 5/ | 59 | 168 | 67 | 181 | 159 | 265 | 240 | 211 | 196 | 198 | 88 | 78 | 1,910 |
| | CONSUMPTIVE USE | 78 | 219 | 87 | 237 | 208 | 347 | 313 | 275 | 256 | 260 | 114 | 102 | 2,497 |
| CITY OF WINTERHAVEN | | | | | | | | | | | | | | |
| PUMPED FROM 1 WELL IN FLOODPLAIN | DIVERSION 6/ | 7 | 5 | 9 | 10 | 12 | 15 | 16 | 16 | 12 | 10 | 7 | 7 | 128 |
| | MEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | UNMEAS. RETURNS | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | 2 | 2 | 40 |
| | CONSUMPTIVE USE | 5 | 3 | 6 | 7 | 8 | 10 | 11 | 11 | 8 | 7 | 5 | 5 | 88 |
| PALO VERDE IRRIGATION DISTRICT | | | | | | | | | | | | | | |
| DIVERSION FROM PALO VERDE DAM | DIVERSION | 36,210 | 41,450 | 73,160 | 92,080 | 105,400 | 107,500 | 105,700 | 103,700 | 88,250 | 64,750 | 41,290 | 57,870 | 917,360 |
| | MEAS. RETURNS | 25,170 | 30,431 | 34,825 | 38,823 | 44,088 | 47,907 | 46,858 | 47,852 | 46,193 | 48,376 | 38,507 | 37,309 | 486,339 |
| | UNMEAS. RETURNS | 2,028 | 2,321 | 4,097 | 5,156 | 5,902 | 6,020 | 5,919 | 5,807 | 4,942 | 3,626 | 2,312 | 3,241 | 51,371 |
| | CONSUMPTIVE USE | 9,012 | 8,698 | 34,238 | 48,101 | 55,410 | 53,573 | 52,923 | 50,041 | 37,115 | 12,748 | 471 | 17,320 | 379,650 |
| YUMA PROJECT, RES. DIV. INDIAN UNIT | | | | | | | | | | | | | | |
| DIVERSION AT IMPERIAL DAM | DIVERSION | 3,030 | 2,368 | 5,701 | 6,775 | 5,797 | 2,303 | 2,451 | 2,118 | 2,786 | 6,055 | 3,900 | 3,068 | 46,352 |
| | MEAS. RETURNS | 34 | 35 | 82 | 14 | 97 | 32 | 30 | 34 | 42 | 148 | 143 | 114 | 805 |
| | UNMEAS. RETURNS | 506 | 395 | 952 | 1,131 | 968 | 385 | 409 | 354 | 465 | 1,011 | 651 | 512 | 7,739 |
| YUMA PROJECT, RES. DIV. BARD UNIT | | | | | | | | | | | | | | |
| DIVERSION AT IMPERIAL DAM | DIVERSION | 2,256 | 1,859 | 4,945 | 5,945 | 6,312 | 4,661 | 4,507 | 2,845 | 3,077 | 4,686 | 3,288 | 2,596 | 46,977 |
| | MEAS. RETURNS | 14 | 16 | 42 | 7 | 65 | 40 | 38 | 27 | 30 | 71 | 75 | 58 | 483 |
| | UNMEAS. RETURNS | 377 | 310 | 826 | 993 | 1,054 | 778 | 753 | 475 | 514 | 783 | 549 | 434 | 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 | 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 |
| DAVIS DAM TO INTERNATIONAL BOUNDARY | 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 34º 59' 42.6"N 114º 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 34º 59' 22.9"N 114º 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 34º 59' 22.9"N 114º 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. 34º 05' 24.6"N 114º 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 Permittees (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 |
| FORT YUMA IR - CA | | | | | | | | | | | | | | | |
| Valdez, Mike 32º 48'N 114º 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 32º 48'"N 114º 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 32º 46' 40.6"N 114º 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 32º 44' 18.2"N 114º 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 32º 44' N 114º 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 |
| Sum of pumping on FYIR - CA | | | 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 |
| YUMA ISLAND - CA | | | | | | | | | | | | | | | |
| Arizona State Land Department Lessees | | | | | | | | | | | | | | | |
| Horizon Farms | 6/ | cep-1, 2, 3 cdw-6, 7, cew-8. cdp-5. cdew-1 | 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 32º 45'N 114º 33'W | 2/3/ | cdw-5, cew-7 | 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. 32º 45' 32.1"N 114º 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 32º 45 '23.9"N 114º 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, | 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 32º 45' 40.0"N 114º 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. 32º 44' 45.6"N 114º 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 |
| Sum of pumping on Yuma Island - CA | | | 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 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.

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 | DIVERSION | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 55 |
| | MEAS. RETURNS | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 22 |
| | UNMEAS. RETURNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CONSUMPTIVE USE | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 33 |
| ROBERT B. GRIFFITH WATER PROJECT | | | | | | | | | | | | | | |
| DIVERSION AT SADDLE ISLAND, LAKE MEAD | DIVERSION | 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 |
| | 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 | 29,211 | 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 | DIVERSION | 51 | 47 | 56 | 63 | 78 | 86 | 111 | 105 | 85 | 83 | 57 | 30 | 850 |
| | 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 | 51 | 47 | 56 | 63 | 78 | 86 | 111 | 105 | 85 | 83 | 57 | 30 | 850 |
| LAKE MEAD NATIONAL RECREATION AREA | | | | | | | | | | | | | | |
| DIVERSION FROM LAKE MOHAVE | DIVERSION | 19 | 17 | 20 | 24 | 18 | 21 | 25 | 32 | 20 | 25 | 22 | 15 | 257 |
| (COTTONWOOD) | 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 | 17 | 20 | 24 | 18 | 21 | 25 | 32 | 20 | 25 | 22 | 15 | 257 |
| BASIC MANAGEMENT INC. | | | | | | | | | | | | | | |
| DIVERSION AT SADDLE ISLAND, LAKE MEAD | DIVERSION | 393 | 460 | 537 | 449 | 427 | 383 | 536 | 497 | 436 | 458 | 371 | 385 | 5,332 |
| | 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 | 393 | 460 | 537 | 449 | 427 | 383 | 536 | 497 | 436 | 458 | 371 | 385 | 5,332 |
| CITY OF HENDERSON | | | | | . | | | | | | | | | |
| DIVERSION AT SADDLE ISLAND, LAKE MEAD | DIVERSION | 393 | 516 | 508 | 643 | 1,329 | 1,583 | 1,368 | 1,219 | 845 | 427 | 474 | 556 | 9,861 |
| | 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 | 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 | DIVERSION | 476 | 408 | 359 | 204 | 189 | 129 | 129 | 66 | 63 | 64 | 68 | 67 | 2,222 |
| | MEAS. RETURNS | 475 | 407 | 358 | 203 | 188 | 128 | 128 | 65 | 62 | 63 | 67 | 66 | 2,210 |
| | 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 |
| CITY OF BOULDER CITY | | | | | | | | | | | | | | |
| DIVERSION AT HOOVER DAM | DIVERSION | 10 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | 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 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| PACIFIC COAST BUILDING PRODUCTS INC. | | | | | | | | | | | | | | |
| DIVERSION AT GYPSUM WASH, LAKE MEAD | DIVERSION | 71 | 82 | 48 | 95 | 73 | 79 | 84 | 61 | 54 | 82 | 66 | 74 | 869 |
| | 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 | 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 (ACRE-FEET)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL 0/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | DIVERSION 3/ | 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 | 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 Withdrawls | 986 |
| End of Year Cumulative Injected Storage | 279,546 |

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 (ACRE-FEET)

| WATER USER | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sportsman's Park | | 1/ | 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 |
| 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

6/15/2005

(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 | | 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 | | | | | | | | | | | | | | 0 |
| 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 | | | | | | | | | | | | | | 0 |
| 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 | | | | | | | | | | | | | | 0 |
| 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 | | | | | | | | | | | | | | 0 |
| 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 | | | | | | | | | | | | | | 0 |
| 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 | | | | | | | | | | | | | | 0 |
| 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 | 2/ | 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 | 2/ | 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 | 2/ | 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 | 2/ | 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 | 3/ | | | | | | | | | | | | | 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

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

(ACRE-FEET)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CALIFORNIA TOTALS | | | | | | | | | | | | | | |
| ORDERED BUT NOT DIVERTED | | 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 |
| DELIVERED TO MEXICO IN SATISFACTION OF TREATY | | | | | | | | | | | | | | |
| DIVERTED BY OTHERS | | 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 STORAGE | 2/ | 266 | 52 | 10,472 | 11,711 | 273 | 6,338 | 14,038 | 335 | 174 | 9,309 | 24,360 | 5,865 | 83,193 |
| DELIVERED TO MEXICO IN EXCESS OF TREATY | 3/ | | | | | | | | | | | | | 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 AGEEMENT
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

6/15/2005 (ACRE-FEET)

| | | | 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 | 0 |
| Benefit of SNWA | Recovered LTSC in 03 | 3/ | 0 | 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 | 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 | 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 | 0 |
| | Recovered LTSC in 03 | 3/ | 0 | 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 | 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 | 0 |
| Water Diverted to Storage for California | DIVERSION | 7/ | 0 | 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 mg/l ± 30 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 Yea | 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 Yea | 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

06/15/05 (ACRE-FEET)

| TRANSFER TITLE OR PARTICIPATING AGENCIES | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WATER CONSERVATION PROGRAM<br>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 | 8,759 | 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, throught 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 TRANSFERS[1]**

*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 | | | | | |
| | Calendar Year | [2]Priority 1, 2 and 3b | IID Priority 3a Quantified Amount | [3]IID Reduction: MWD 1988 Agreement Transfer | IID Reduction: SDCWA Transfer | [4]IID Reduction: AAC Lining IID, SDCWA & SLR | [5,6]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 1-3 Use Plus PPR Consumptive Use *(sum of columns 2+13+20 plus 11+16)* | [12]ISG Benchmarks | [12]Annual Targets |
| 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] 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 fallowing 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 LCWSF**

| | Exhibit B Column No. | Conservation or Transfer Obligations CU | |
|---|---|---|---|
| **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 agicultural 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