

RECLAMATION

Managing Water in the West

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

Calendar Year 2012



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

Mission Statements

Protecting America's Great Outdoors and Powering Our Future -
The U.S. Department of the Interior protects America's natural resources and heritage, honors our cultures and tribal communities, and supplies the energy to power our future.

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

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

Calendar Year 2012

Prepared by

**Lower Colorado Region
Boulder Canyon Operations Office**



**U.S. Department of the Interior
Bureau of Reclamation
Lower Colorado Region
Boulder Canyon Operations Office
P.O. Box 61470
Boulder City, NV 89006-1470**

May 2013

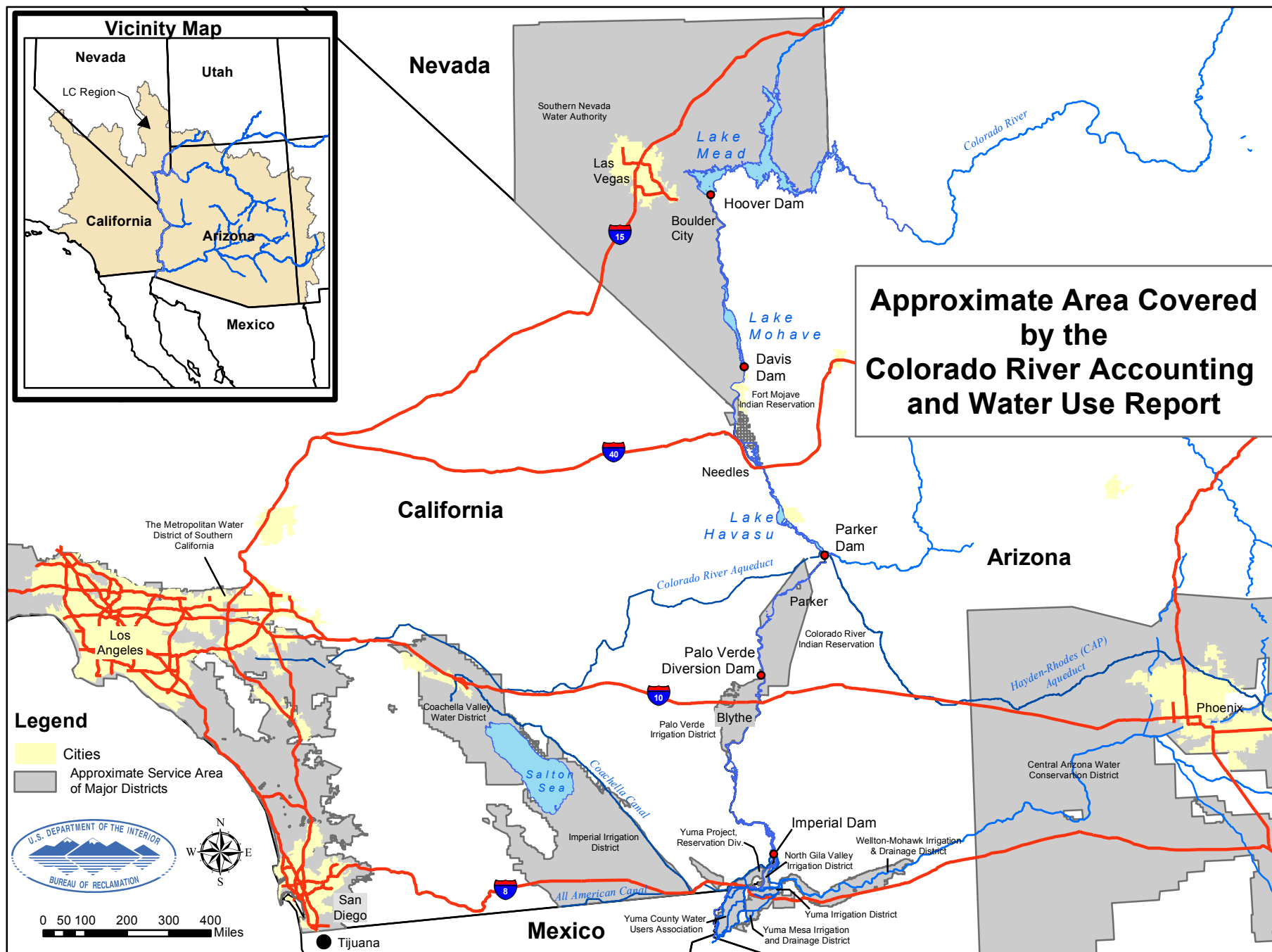


TABLE OF CONTENTS

Location Map _____	Frontispiece
Acronyms and Abbreviated Terms _____	1
Summary, Colorado River Accounting and Water Use Report _____	2
Reservoir Contents, Monthly Storage Contents of the Colorado River System Reservoirs _____	3
Compilation of Records in Accordance with Article V of the Consolidated Decree of the United States	
Supreme Court in <i>Arizona v. California</i>, 547 U.S. 150 (2006) (Consolidated Decree) _____	4
V (A) Records of Releases of Water Through Regulatory Structures Controlled by the United States _____	5
V (B) Records of Diversions, Return Flows, and Consumptive Use _____	6
Arizona Users Reporting Monthly _____	7
Arizona Supplemental Tabulation _____	12
California Users Reporting Monthly _____	13
California Supplemental Tabulation _____	15
Nevada Users Reporting Monthly _____	17
V (C) Records of Water Ordered but not Diverted _____	19
Arizona _____	20
California _____	22
V (D) Records of Deliveries of Water to Mexico _____	23
V (E) Records of Diversions and Use for the Gila National Forest _____	24
Information Supplemental to the Consolidated Decree _____	25
Interstate Water Banking within the States of Arizona, California, and Nevada _____	26
Inadvertent Overruns and Paybacks within the States of Arizona, California, and Nevada _____	28
Summary of Water Availability and Use by Arizona, California, and Nevada _____	32
Lower Colorado Water Supply Project _____	34
Conservation, Transfer, and Exchanges for the States of Arizona, California, and Nevada _____	36
Intentionally Created Surplus _____	43
Documents and Letters Significant to the Delivery of and Accounting for the Use of Colorado River Water in CY 2012 _____	45

Acronyms and Abbreviated Terms

These acronyms and abbreviations are found in the text, footnotes, and headings within this document

AAC	All-American Canal	FEIS	Final Environmental Impact Statement
AACLP	All-American Canal Lining Project	Ftns	Footnotes
ADP	Arizona diesel pump	FYIR	Fort Yuma Indian Reservation
ADW	Arizona diesel well	GGMC	Gila Gravity Main Canal
AEP	Arizona electric pump	ICUA	Intentionally Created Unused Apportionment
AEW	Arizona electric well	I.D.D.	Irrigation and Drainage District
af	acre-feet	IBWC	International Boundary and Water Commission
AFY	Acre-feet per Year	ICS	Intentionally Created Surplus
ALTSC	Accumulated Long Term Storage Credit	IID	Imperial Irrigation District
AOP	Annual Operating Plan	IOPP	Inadvertent Overrun and Payback Policy
APS	Arizona Public Service	ISG	Colorado River Interim Surplus Guidelines
ASLD	Arizona State Land Department	IUS	Interstate Underground Storage credits
Assn.	Association	kaf	Thousand acre-feet
AWBA	Arizona Water Banking Authority	LCWSP	Lower Colorado Water Supply Project
BLM	Bureau of Land Management	LHFO	Lake Havasu Field Office (BLM)
BOY	beginning-of-year	LLC	Limited Liability Company
CAP	Central Arizona Project	LTD	Limited
CAWCD	Central Arizona Water Conservation District	LTSC	Long Term Storage Credit
CCLP	Coachella Canal Lining Project	MAF	Million acre-feet
CDP	California diesel pump	MWD	Metropolitan Water District of Southern California
CDW	California diesel well	MOD	Main Outlet Drain
CDEW	California diesel electric well	MODE	Main Outlet Drain Extension
CEP	California electric pump	M&I	Municipal and Industrial
CEW	California electric well	NWR	National Wildlife Refuge
CFR	Code of Federal Regulations	NIB	Northerly International Boundary
CO	Colorado	PG&E	Pacific Gas and Electric Company
CR	Colorado River	PPR	Present Perfected Right
CRBC	Colorado River Board of California	PVID	Palo Verde Irrigation District
CRCN	Colorado River Commission of Nevada	QSA	Quantification Settlement Agreement
CRIT	Colorado River Indian Tribes	SCE	Southern California Edison Company
CRWDA	Colorado River Water Delivery Agreement	SIB	Southerly International Boundary
CU	consumptive use	SIRA	Storage and Interstate Release Agreement
CVWD	Coachella Valley Water District	SDCWA	San Diego County Water Authority
CY	calendar year	SLRSP	San Luis Rey Settlement Parties
Diff.	difference	SNWA	Southern Nevada Water Authority
Dist.	district	USGS	United States Geological Survey
Div	diversion	YAO	Yuma Area Office (Reclamation)
DPOC	drainage pump outlet channel	YDP	Yuma Desalting Plant
ECICS	Extraordinary Conservation Intentionally Created Surplus	YFO	Yuma Field Office (BLM)
ET	evapotranspiration	YID	Yuma Irrigation District
EOY	end-of-year	YMIDD	Yuma Mesa Irrigation and Drainage District

SUMMARY
COLORADO RIVER ACCOUNTING AND WATER USE REPORT
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet except as noted)

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOWER DIVISION STATES CONSUMPTIVE USE SUMMARY														
ARIZONA		223,301	228,623	296,991	313,981	337,032	279,963	175,751	204,527	233,009	120,169	222,460	153,859	2,789,667
CALIFORNIA		228,158	277,273	380,935	509,205	536,664	501,715	479,910	434,609	385,103	318,617	216,935	147,594	4,416,718
NEVADA		8,924	10,735	16,487	20,784	31,053	29,004	29,362	24,230	19,065	20,872	15,406	11,239	237,161
TOTAL LOWER DIVISION STATES	CONSUMPTIVE USE	460,383	516,631	694,413	843,970	904,749	810,682	685,023	663,366	637,177	459,658	454,801	312,692	7,443,546
TOTAL DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS		130,284	158,442	186,740	177,140	97,665	102,476	102,616	92,284	89,308	55,370	86,157	88,541	1,367,023
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC		10,498	8,708	9,612	9,155	8,797	8,885	8,867	8,932	9,737	14,792	14,492	13,746	126,221
TO MEXICO IN EXCESS OF TREATY		308	390	481	5,835	1,101	177	21,366	5,043	460	14,373	1,535	43,761	94,830
TOTAL CONSUMPTIVE USE - LOWER DIVISION STATES AND DELIVERIES TO MEXICO ¹		601,473	684,171	891,246	1,036,100	1,012,312	922,220	817,872	769,625	736,682	544,193	556,985	458,740	9,031,620
RESERVOIR CONTENTS SUMMARY	2012 BOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CHANGE
STORAGE IN LOWER BASIN ²	16,767	17,204	17,120	16,770	16,297	15,837	15,478	15,501	15,572	15,301	15,246	15,422	15,759	-1,008
LOWER BASIN STORAGE PLUS LAKE POWELL ³	32,741	32,845	32,572	32,228	31,805	31,469	30,772	30,181	29,723	29,230	28,952	28,673	28,471	-4,270
PERCENTAGE OF ACTIVE STORAGE - LOWER BASIN PLUS POWELL	62.2%	62.4%	61.9%	61.2%	60.4%	59.8%	58.5%	57.3%	56.5%	55.5%	55.0%	54.5%	54.1%	
LCWSP WELLFIELD PUMPING SUMMARY ⁴	NON-FEDERAL													4,208
	FEDERAL													408
	TOTAL													4,616
OFFSTREAM INTERSTATE STORAGE SUMMARY	2012 BOY					2012 Storage				2012 EOY				
	Balance									Balance				
WATER STORED IN AZ FOR THE BENEFIT OF NV	600,651					0				600,651				
WATER STORED IN CA BY MWD FOR THE BENEFIT OF NV	70,000					41,892				111,892				

RESERVOIR CONTENTS
MONTHLY STORAGE CONTENTS OF THE COLORADO RIVER SYSTEM RESERVOIRS
CALENDAR YEAR 2012

	05/15/13	(Values in thousand acre-feet except as noted)												
	2012 BOY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	CY CHANGE ¹
END OF MONTH ACTIVE CONTENTS ²														
LAKE POWELL	15,974	15,641	15,453	15,458	15,508	15,632	15,294	14,680	14,151	13,929	13,706	13,251	12,713	-3,261
PERCENTAGE OF POWELL ACTIVE STORAGE ³	65.7%	64.3%	63.5%	63.6%	63.8%	64.3%	62.9%	60.4%	58.2%	57.3%	56.4%	54.5%	52.3%	
LAKE MEAD	14,644	15,022	14,907	14,535	13,986	13,541	13,200	13,207	13,269	13,135	13,263	13,334	13,636	-1,008
LAKE MOHAVE	1,586	1,628	1,650	1,670	1,708	1,700	1,693	1,696	1,716	1,605	1,377	1,507	1,572	-14
LAKE HAVASU	537	554	563	565	602	596	584	598	587	561	606	581	550	13
STORAGE IN LOWER BASIN ⁴	16,767	17,204	17,120	16,770	16,297	15,837	15,478	15,501	15,572	15,301	15,246	15,422	15,759	
PERCENTAGE OF CO RIVER ACTIVE STORAGE IN THE LOWER BASIN ⁵	59.2%	60.8%	60.5%	59.2%	57.6%	55.9%	54.7%	54.8%	55.0%	54.1%	53.9%	54.5%	55.7%	
LOWER BASIN STORAGE PLUS LAKE POWELL ⁶	32,741	32,845	32,572	32,228	31,805	31,469	30,772	30,181	29,723	29,230	28,952	28,673	28,471	-4,270
PERCENTAGE OF ACTIVE STORAGE, LOWER BASIN PLUS POWELL ⁷	62.2%	62.4%	61.9%	61.2%	60.4%	59.8%	58.5%	57.3%	56.5%	55.5%	55.0%	54.5%	54.1%	
TOTAL SYSTEM STORAGE ⁸	38,366	38,324	37,935	37,561	37,180	36,761	36,051	35,336	34,691	34,022	33,644	33,336	33,076	-5,290
PERCENTAGE OF TOTAL SYSTEM STORAGE ⁹	64.6%	64.5%	63.9%	63.3%	62.6%	61.9%	60.7%	59.5%	58.4%	57.3%	56.7%	56.1%	55.7%	

Footnotes:

¹ "CY CHANGE" is the difference in the end-of-month storage from midnight December 31 of the preceeding year and midnight December 31 of the reporting year. A positive value indicates an increase in the amount of water in storage. A negative value indicates a decrease in the amount of water in storage.

² Actual values may differ slightly from the displayed values due to rounding and being displayed to the nearest thousand acre-feet.

³ Percentage of total active storage capacity available in Lake Powell. Based on total active storage capacity of 24,322,000 af. For purposes of this tabulation, the term "active storage" is equivalent to live storage less the Exclusive Flood Control Space, and refers to the volume of water that can be delivered downstream via gravity flow.

⁴ The sum of end-of-month storage in Lakes Mead, Mohave, and Havasu.

⁵ The percentage of available active storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on total active storage capacity of 28,306,000 af.

⁶ The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).

⁷ The percentage of available total active storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on total active storage capacity of 52,628,000 af.

⁸ Total end-of-month system storage, includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River system.

⁹ The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total active system storage capacity of 59,383,000 af.

**COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

In accordance with Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, “The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

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

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

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

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

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

**RECORDS OF RELEASES OF WATER THROUGH
REGULATORY STRUCTURES IN ACCORDANCE WITH
ARTICLE V (A) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

The following tabulation, for calendar year 2012, shows the final records for release of water through regulatory structures controlled by the United States. Records of releases from Glen Canyon, Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams are furnished by the United States Geological Survey and are based upon measurements at or below the structures.

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

CALENDAR YEAR 2012

	05/15/13	(Values are in acre-feet)											
STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	846,400	654,200	607,000	611,800	605,900	712,200	892,400	810,300	478,000	495,200	736,000	799,500	8,248,900
HOOVER DAM	713,100	775,700	986,000	1,170,000	1,006,000	989,700	841,269	798,526	635,484	345,481	650,360	475,636	9,387,256
DAVIS DAM	671,100	736,300	946,700	1,104,000	1,001,000	973,300	812,100	765,400	777,900	641,500	509,000	398,500	9,336,800
PARKER DAM	372,400	489,400	708,300	777,300	708,100	718,500	676,000	569,600	540,700	470,900	335,500	279,900	6,646,600
HEADGATE ROCK DAM ¹	341,920	449,180	656,330	717,880	633,860	639,850	600,950	498,560	479,850	429,300	306,810	255,490	6,009,980
PALO VERDE DIVERSION DAM	331,200	383,200	549,000	657,200	544,900	518,800	520,500	417,800	412,300	407,900	308,000	255,400	5,306,200
IMPERIAL DAM ²	16,560	14,980	16,910	42,210	31,540	24,090	53,930	32,910	23,940	26,940	23,150	23,370	330,530
DIVERSION TO MITTRY LAKE FROM THE GGMC	361	412	540	554	619	621	604	614	519	549	401	573	6,367
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	16,921	15,392	17,450	42,764	32,159	24,711	54,534	33,524	24,459	27,489	23,551	23,943	336,897
LAGUNA DAM	18,900	16,410	18,550	41,260	36,300	27,440	49,680	35,570	25,680	30,870	25,830	28,380	354,870

Footnotes:

¹ Computed as Parker Dam release minus diversion at Headgate Rock Dam.

² Represents flow below Imperial Dam alone and does not include diversions through the All-American Canal and the Gila Gravity Main Canal.

RECORDS OF DIVERSIONS, RETURN FLOWS AND CONSUMPTIVE USE IN ACCORDANCE WITH ARTICLE V (B) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)

The following tabulations for calendar year 2012 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the consumptive use of such water in each state. The records were furnished to Reclamation or other water regulatory agencies by the United States Geological Survey (USGS), International Boundary and Water Commission, Bureau of Indian Affairs, Reclamation, National Park Service, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the Topock Marsh Inlet Canal, All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

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

The second tabulation for Arizona and California, entitled "Supplemental Use Tabulation," shows quantities of water pumped from the mainstream or from wells in the Colorado River aquifer, where the amount of water diverted is reported by the USGS or the water user. For diversions reported by the USGS, the USGS verifies the crops being grown and uses evapotranspiration methodologies to estimate the crop use, then

applies irrigation efficiency coefficients to derive the estimated diversions. Unmeasured returns are computed by multiplying a user's diversion by an unmeasured return flow factor. Reclamation is continuing to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior, or (3) a Secretarial reservation of water. The diversions, return flows or consumptive uses tabulated in this report constitute the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized. If you notice an error or omission, please report it to Boulder Canyon Operations Office at the address listed on the cover page.

Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer downstream from the Northerly International Boundary (NIB) to be a diversion of Colorado River water. This policy is based on the following: the ground water can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the river to be made "available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation." In accordance with this position, Reclamation discontinued reporting these wells beginning in 2004.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
LAKE MEAD NATIONAL RECREATION AREA DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	6	9	12	12	18	22	20	18	19	19	11	14	180
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	6	9	12	12	18	22	20	18	19	19	11	14	180
LAKE MEAD NATIONAL RECREATION AREA DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION	13	8	16	11	13	18	20	17	17	15	13	12	173
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	13	8	16	11	13	18	20	17	17	15	13	12	173
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	7	6	5	3	6	9	4	6	7	11	11	9	84
	MEASURED RETURNS	7	6	5	3	6	8	4	6	7	11	11	9	83
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	1	0	0	0	0	0	0	1
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	627	523	731	698	929	915	1,023	998	930	751	749	575	9,449
MOHAVE CO. PARKS DIVERSION AT DAVIS DAM	DIVERSION	0	0	1	3	1	1	1	1	1	0	0	0	9
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	207	173	242	231	307	302	338	330	307	248	247	190	3,122
	CONSUMPTIVE USE	420	350	490	470	623	614	686	669	624	503	502	385	6,336
MOHAVE WATER CONSERVATION DISTRICT PUMPED FROM WELLS	DIVERSION	66	69	56	62	78	71	79	82	70	77	60	60	830
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	22	23	18	20	26	23	26	27	23	25	20	20	273
	CONSUMPTIVE USE	44	46	38	42	52	48	53	55	47	52	40	40	557
BROOKE WATER LLC PUMPED FROM RIVER	DIVERSION	25	20	23	25	26	32	34	33	33	25	27	26	329
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	8	7	8	8	9	11	11	11	11	8	9	9	110
	CONSUMPTIVE USE	17	13	15	17	17	21	23	22	22	17	18	17	219
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS	DIVERSION	981	1,004	1,790	1,941	2,374	2,430	2,340	2,595	2,431	1,616	1,325	402	21,229
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	451	462	823	893	1,092	1,118	1,076	1,194	1,118	743	610	185	9,765
	CONSUMPTIVE USE	530	542	967	1,048	1,282	1,312	1,264	1,401	1,313	873	715	217	11,464
FORT MOJAVE INDIAN RESERVATION AGRICULTURE - RIVER PUMPS	DIVERSION	2,555	3,682	6,942	3,688	8,675	12,104	9,742	8,720	3,143	1,788	2,879	782	64,700
DOMESTIC - WELLS ²	DIVERSION	99	58	62	67	214	38	298	306	280	259	183	130	1,994
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	1,221	1,720	3,222	1,727	4,089	5,585	4,618	4,152	1,575	942	1,409	420	30,680
	CONSUMPTIVE USE	1,433	2,020	3,782	2,028	4,800	6,557	5,422	4,874	1,848	1,105	1,653	492	36,014
GOLDEN SHORES WATER CONSERVATION DIST. PUMPED FROM WELLS ³	DIVERSION	20	25	33	36	44	54	58	56	44	37	26	26	459
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	7	8	11	12	15	18	19	18	15	12	9	9	153
	CONSUMPTIVE USE	13	17	22	24	29	36	39	38	29	25	17	17	306
HAVASU NATIONAL WILDLIFE REFUGE TOPOCK INLET CANAL ⁴	DIVERSION	1,602	3,297	4,747	3,300	3,130	4,730	3,000	2,220	2,220	719	561	16	29,542
FARM DITCH	DIVERSION	86	475	1,208	1,884	1,181	1,086	511	398	434	60	0	0	7,323
WELL ³	DIVERSION	10	11	15	17	20	25	27	26	20	17	12	12	212
	MEASURED RETURNS	0	0	10	0	0	0	0	0	0	0	0	0	10
	UNMEASURED RETURNS	1,494	3,329	5,245	4,577	3,811	5,140	3,113	2,327	2,353	700	504	25	32,618
	CONSUMPTIVE USE	204	454	715	624	520	701	425	317	321	96	69	3	4,449

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
LAKE HAVASU CITY WELLS	DIVERSION	849	832	969	1,004	1,237	1,329	1,310	1,237	1,220	1,113	962	821	12,883
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	323	316	368	382	470	505	498	470	464	423	366	312	4,897
	CONSUMPTIVE USE	526	516	601	622	767	824	812	767	756	690	596	509	7,986
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION	186,564	168,959	187,497	179,531	179,210	129,951	34,437	85,226	136,910	31,581	173,912	132,284	1,626,062
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	186,564	168,959	187,497	179,531	179,210	129,951	34,437	85,226	136,910	31,581	173,912	132,284	1,626,062
TOWN OF PARKER PUMPED FROM RIVER WELL ⁵	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERSION	50	48	59	63	80	87	83	82	80	76	66	51	825
	MEASURED RETURNS	22	20	20	20	22	23	24	20	20	20	19	20	250
	UNMEASURED RETURNS	14	14	17	18	23	25	24	23	23	22	19	15	237
	CONSUMPTIVE USE	14	14	22	25	35	39	35	39	37	34	28	16	338
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 2 RIVER PUMPS AND DOMESTIC ⁶	DIVERSION	30,480	40,220	51,970	59,420	74,240	78,650	75,050	71,040	60,850	41,600	28,690	24,410	636,620
	DIVERSION	348	403	536	579	711	841	901	861	711	615	462	424	7,392
	MEASURED RETURNS	23,011	21,348	22,477	22,118	21,986	21,669	26,145	27,151	25,915	25,502	23,002	22,487	282,811
	UNMEASURED RETURNS	1,696	2,234	2,888	3,300	4,122	4,372	4,177	3,955	3,386	2,322	1,603	1,366	35,421
	CONSUMPTIVE USE	6,121	17,041	27,141	34,581	48,843	53,450	45,629	40,795	32,260	14,391	4,547	981	325,780
EHRENBURG IMPROVEMENT ASSOCIATION PUMPED FROM RIVER	DIVERSION	22	20	24	26	32	34	31	31	28	28	24	21	321
	MEASURED RETURNS	2	1	3	2	3	2	3	2	2	2	5	3	30
	UNMEASURED RETURNS	6	6	7	7	9	10	9	9	8	8	7	6	92
	CONSUMPTIVE USE	14	13	14	17	20	22	19	20	18	18	12	12	199
CIBOLA VALLEY CIBOLA VALLEY I.D.D	DIVERSION	57	193	379	771	895	844	2,324	1,753	2,945	266	310	128	10,865
MOHAVE COUNTY WATER AUTHORITY	DIVERSION	0	0	150	275	431	612	524	154	128	0	0	0	2,274
HOPI TRIBE	DIVERSION	237	138	336	66	531	808	916	1,123	743	121	0	0	5,019
ARIZONA RECREATIONAL FACILITIES	DIVERSION	40	248	31	142	414	384	471	402	378	159	0	0	2,669
ARIZONA GAME AND FISH COMMISSION	DIVERSION	49	257	408	957	259	465	517	269	251	100	0	54	3,586
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	109	238	372	630	721	887	1,354	1,055	1,267	184	88	52	6,957
	CONSUMPTIVE USE	274	598	932	1,581	1,809	2,226	3,398	2,646	3,178	462	222	130	17,456
CIBOLA NATIONAL WILDLIFE REFUGE 3 RIVER PUMPS	DIVERSION	202	707	1091	1219	1543	2137	1961	1682	1684	1481	857	438	15,002
	MEASURED RETURNS	0	0	0	0	0	10	9	0	0	0	0	0	19
	UNMEASURED RETURNS	77	269	415	463	586	812	745	639	640	563	326	166	5,701
	CONSUMPTIVE USE	125	438	676	756	957	1,315	1,207	1,043	1,044	918	531	272	9,282
IMPERIAL NATIONAL WILDLIFE REFUGE 4 RIVER PUMPS	DIVERSION	124	99	98	138	68	38	46	103	278	0	0	0	992
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	47	38	37	52	26	14	17	39	106	0	0	0	376
	CONSUMPTIVE USE	77	61	61	86	42	24	29	64	172	0	0	0	616
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS	DIVERSION	1	3	0	0	2	1	5	2	0	3	0	0	17
	DIVERSION	35	23	25	39	32	75	79	62	57	40	41	26	534
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	36	26	25	39	34	76	84	64	57	43	41	26	551
GILA MONSTER FARMS DIVERSION AT IMPERIAL DAM ⁷	DIVERSION	495	578	856	966	1,386	860	393	535	558	771	520	325	8,243
	MEASURED RETURNS	33	34	39	44	58	30	19	21	24	32	22	29	385
	UNMEASURED RETURNS	188	220	325	367	527	327	149	203	212	293	198	124	3,133
	CONSUMPTIVE USE	274	324	492	555	801	503	225	311	322	446	300	172	4,725

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
WELLTON MOHAWK I.D.D. DIVERSION AT IMPERIAL DAM	DIVERSION	18,760	23,860	39,175	44,249	45,311	43,351	41,623	37,296	33,207	33,887	20,914	16,221	397,854
	GGMC RETURN	1,402	1,549	2,001	2,269	2,109	1,712	2,209	1,649	1,611	1,567	990	1,611	20,679
	DOMESTIC RETURN	482	368	409	446	335	236	266	272	238	376	395	332	4,155
	MOD RETURN ⁸	9,860	9,060	9,460	8,960	9,500	9,330	9,430	9,920	10,170	10,010	9,830	10,100	115,630
	TOTAL RETURNS	11,744	10,977	11,870	11,675	11,944	11,278	11,905	11,841	12,019	11,953	11,215	12,043	140,464
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	7,016	12,883	27,305	32,574	33,367	32,073	29,718	25,455	21,188	21,934	9,699	4,178	257,390
CITY OF YUMA DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1,002	1,038	1,160	1,190	1,415	1,541	1,722	1,661	1,536	1,555	1,378	1,157	16,355
DIVERSION AT IMPERIAL DAM (GGMC)	DIVERSION	898	873	1,003	538	591	583	483	544	484	477	607	558	7,639
PUMP DIVERSION FOR YUMA EAST WETLANDS	DIVERSION	9	10	35	65	88	103	93	91	67	30	10	7	608
	MEASURED RETURNS	854	817	847	714	749	767	840	836	844	875	844	886	9,873
	UNMEASURED RETURNS	3	4	12	23	31	36	33	32	24	11	4	2	215
	CONSUMPTIVE USE	1,052	1,100	1,339	1,056	1,314	1,424	1,425	1,428	1,219	1,176	1,147	834	14,514
MARINE CORPS AIR STATION YUMA DIVERSION AT IMPERIAL DAM	DIVERSION	78	70	96	141	143	155	164	172	138	121	86	64	1,428
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	78	70	96	141	143	155	164	172	138	121	86	64	1,428
UNION PACIFIC RAILROAD DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	2	2	2	2	2	2	2	2	2	2	2	2	24
	CONSUMPTIVE USE	2	2	2	2	2	2	2	2	2	2	2	2	24
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM	DIVERSION	77	47	44	80	78	82	79	74	66	73	33	33	766
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	77	47	44	80	78	82	79	74	66	73	33	33	766
YUMA UNION HIGH SCHOOL DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	7	6	13	6	22	25	26	26	11	16	25	17	200
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	2	2	3	2	6	6	7	7	3	4	6	4	52
	CONSUMPTIVE USE	5	4	10	4	16	19	19	19	8	12	19	13	148
DESERT LAWN MEMORIAL PARK DIVERSION AT IMPERIAL DAM	DIVERSION	0	5	0	13	0	28	0	31	0	25	0	25	127
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	2	0	4	0	8	0	9	0	8	0	8	39
	CONSUMPTIVE USE	0	3	0	9	0	20	0	22	0	17	0	17	88
NORTH GILA VALLEY I.D.D. DIVERSION AT IMPERIAL DAM ⁹	DIVERSION	2,563	3,022	4,170	4,424	5,567	5,225	4,604	2,738	3,527	4,639	3,511	2,509	46,499
	MEASURED RETURNS	1,890	1,979	2,412	2,583	2,930	2,961	2,641	1,686	2,144	2,953	2,292	2,021	28,492
	UNMEASURED RETURNS	351	414	571	606	763	716	631	375	483	636	481	344	6,371
	CONSUMPTIVE USE	322	629	1,187	1,235	1,874	1,548	1,332	677	900	1,050	738	144	11,636
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM ^{9,10}	DIVERSION	3,539	4,874	6,935	7,749	9,118	7,285	4,710	6,716	5,974	6,120	4,365	3,425	70,810
PUMPED FROM PRIVATE WELLS ¹¹	DIVERSION	72	95	114	176	88	59	60	45	63	34	25	7	838
	MEASURED RETURNS	1,108	1,311	1,664	1,913	2,160	1,701	1,122	1,581	1,500	1,534	1,114	1,192	17,900
	UNMEASURED RETURNS	769	1,058	1,501	1,688	1,961	1,564	1,016	1,440	1,286	1,311	935	731	15,260
	CONSUMPTIVE USE	1,734	2,600	3,884	4,324	5,085	4,079	2,632	3,740	3,251	3,309	2,341	1,509	38,488
YUMA MESA I.D.D. DIVERSION AT IMPERIAL DAM ⁹	DIVERSION	11,176	11,836	14,744	18,575	23,750	23,633	22,685	24,876	16,007	17,273	10,270	8,836	203,661
	MEASURED RETURNS	4,652	5,795	6,919	4,305	2,162	3,425	4,638	5,508	6,486	1,291	949	1,164	47,294
	UNMEASURED RETURNS	1,788	1,894	2,359	2,972	3,800	3,781	3,630	3,980	2,561	2,764	1,643	1,414	32,586
	CONSUMPTIVE USE	4,736	4,147	5,466	11,298	17,788	16,427	14,417	15,388	6,960	13,218	7,678	6,258	123,781

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
UNIT "B" IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	1,475	1,531	1,956	2,395	2,984	3,160	3,046	3,396	2,013	2,615	1,845	1,350	27,766
	MEASURED RETURNS	771	974	1,177	699	306	550	750	913	1,091	201	169	178	7,779
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	704	557	779	1,696	2,678	2,610	2,296	2,483	922	2,414	1,676	1,172	19,987
FORT YUMA INDIAN RESERVATION DIVERSIONS FOR YUMA EAST WETLANDS RANCH "5" LANDS, YUMA ISLAND, AZ DOMESTIC	DIVERSION	25	26	55	93	132	157	140	129	87	50	25	17	936
	DIVERSION	0	0	0	50	80	118	56	69	38	28	75	14	528
	DIVERSION	3	2	2	3	3	3	4	2	2	2	2	2	30
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	10	10	20	52	76	98	71	71	45	28	36	12	528
	CONSUMPTIVE USE	18	18	37	94	139	180	129	129	82	52	66	21	966
YUMA COUNTY WATER USERS' ASSOCIATION DIVERSION AT IMPERIAL DAM PUMPED FROM WELLS	DIVERSION	19,264	22,949	41,151	47,674	43,191	30,627	38,422	23,426	26,056	38,217	29,307	14,957	375,241
	DIVERSION	110	128	0	239	270	230	259	184	0	131	203	264	2,018
	MEASURED RETURNS	8,947	8,564	8,841	9,589	10,674	9,161	10,895	9,117	7,993	13,516	14,158	11,826	123,281
	UNMEASURED RETURNS	407	485	864	1,006	913	648	812	496	547	805	620	320	7,923
	CONSUMPTIVE USE	10,020	14,028	31,446	37,318	31,874	21,048	26,974	13,997	17,516	24,027	14,732	3,075	246,055
COCOPA INDIAN RESERVATION DIVERSION AT IMPERIAL DAM PUMPED FROM WELLS ¹²	DIVERSION	44	242	417	418	1,142	579	1,194	938	346	201	47	0	5,568
	DIVERSION	134	168	228	248	308	369	406	390	301	253	180	176	3,161
	MEASURED RETURNS	1	5	7	4	14	20	51	50	16	9	2	0	179
	UNMEASURED RETURNS	61	139	219	226	493	322	544	452	220	154	77	60	2,967
	CONSUMPTIVE USE	116	266	419	436	943	606	1,005	826	411	291	148	116	5,583
RECLAMATION - YUMA AREA OFFICE WELL	DIVERSION	6	0	0	0	0	0	0	0	3	9	0	0	18
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	6	0	0	0	0	0	0	0	3	9	0	0	18
PUMPED FROM SOUTH GILA WELLS (DPOC'S) ¹³	MEASURED RETURNS	4,798	5,522	5,030	5,379	5,573	6,081	5,182	6,010	5,690	84	4,550	0	53,899
	UNMEASURED RETURNS	-4,798	-5,522	-5,030	-5,379	-5,573	-6,081	-5,182	-6,010	-5,690	-84	-4,550	0	-53,899
	RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS ¹⁴ DAM TO INTERNATIONAL BOUNDARY	DIVERSION	1,115	1,279	2,273	2,565	2,900	3,001	2,696	2,691	2,099	1,840	1,350	1,284	25,093
	MEASURED RETURNS	11	11	13	15	19	10	6	7	8	11	8	10	129
	UNMEASURED RETURNS	394	448	801	905	1,022	1,061	958	955	742	653	474	450	8,863
	CONSUMPTIVE USE	710	820	1,459	1,645	1,859	1,930	1,732	1,729	1,349	1,176	868	824	16,101
ARIZONA TOTALS														
	DIVERSION	286,011	293,980	373,645	387,838	414,965	358,969	258,681	285,537	308,499	190,948	285,963	211,973	3,657,009
	MEASURED RETURNS	57,851	57,364	61,334	59,063	58,606	57,696	64,234	64,749	63,759	57,994	58,360	51,868	712,878
	UNMEASURED RETURNS	4,859	7,993	15,320	14,794	19,327	21,310	18,696	16,261	11,731	12,785	5,143	6,246	154,464
	CONSUMPTIVE USE	223,301	228,623	296,991	313,981	337,032	279,963	175,751	204,527	233,009	120,169	222,460	153,859	2,789,667

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

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13

(Values are in acre-feet)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--------------------

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

² Diversion amounts include deliveries to the Fort Mojave Indian Reservation from the City of Needles, CA.

³ Reported as an annual total only, distributed monthly according to the monthly use patterns of nearby users.

⁴ Havasu NWR diversions include diversions via the Topock Marsh inlet canal and the Fire Break canal.

⁵ The Town of Parker diversion amounts have been adjusted for potable water delivered to the Colorado River Indian Tribes by the Town of Parker.

⁶ Sum of diversions by two river pumps, water delivered by the Town of Parker and an estimate of municipal diversion. Municipal diversions are estimated by multiplying CRIT's measured effluent by the Town of Parker's diversion to effluent ratio. CRIT portion of wastewater returns from Joint Venture Treatment Plant are combined with agricultural drainage measured at Scott Road gage.

⁷ Use for lands leased from ASLD by Gila Monster Farms has been deducted.

⁸ Main Outlet Drain return flow credit is measured flow at Station 0+00. For those comparing this return value to the "Water Bypassed Pursuant to Minute 242 of the IBWC", differences can result from a combination of transmission loss, DPOC and Yuma Mesa Conduit discharges into the MODE, and MODE water that may have been desalinated and used. During periods of sustained flow in the Gila River this measurement includes both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

⁹ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation and Drainage District, the Yuma Irrigation District, and the Yuma Mesa Irrigation and Drainage District is as follows:

Item	Annual Totals
Diversion at Imperial Dam ^A	320,970
Pumped from wells	838
Total Diversions	321,808
Surface returns from South Gila Valley (South Gila Canal Terminal Wasteway)	3,076
Return flow North Gila Valley (6 drains and wasteways)	9,386
Total Yuma Mesa Division Unmeasured Returns	54,217
Return flow Yuma Mesa Outlet Drain ^B	14,947
Return flow Protective and Regulatory Pumping Unit ^C	18,077
Estimated unmeasured groundwater return flow ^D	27,583
Return flow share of Gila Gravity Main Canal loss ^E	20,618
Total Return Flow	147,904
Consumptive Use (see note above)	173,904

^A Total for the North Gila Valley Irrigation and Drainage District, Yuma Irrigation District, and Yuma Mesa Irrigation and Drainage District.

^B Estimated at 85 percent of the Yuma Mesa Outlet Drain with the balance credited to the Unit B Irrigation District.

^C Estimated at 85 percent of Protective and Regulatory Pumping Unit with the balance credited to the Unit B Irrigation District.

^D Estimated at 38 percent of the North Gila Valley I.D.D. diversion at Imperial Dam plus 14 percent of Yuma Irrigation District's diversion at Imperial Dam. This calculation is based on an analysis of the USGS Report 83-4220.

^E Diversion times a mileage weighted share of Gila Gravity Main Canal loss, less canal surface evaporation (1,397 af/yr), and phreatophytes (2,154 af/yr).

¹⁰ Diversion values have been reduced for those users (Ogram Boys' Enterprises, G Ogram, and ASLD) who take deliveries outside District boundaries. Those diversions appear in the Arizona Supplemental section.

¹¹ Diversion and return values include pumpage from AEW-6,7,8,10,11,41, some of which deliver water for irrigation; others are pumped to control groundwater elevation.

¹² Diversion amounts include pumpage from AEW-15,16 and the Cocopah Bend R.V. Park. The diversions reported on this line include deliveries to the Cocopah Tribe's Trust and Fee lands in PPR-7.

¹³ Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.

¹⁴ Details may be found in the Art. V(B) Arizona Supplemental Tabulation.

ARIZONA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13		(Values are in acre-feet)												
WATER USER	USGS # ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Marble Canyon Company		0	0	1	1	2	2	2	2	2	1	1	0	14
SUBTOTAL, LEE FERRY TO DAVIS DAM ²														
	DIVERSION	0	0	1	1	2	2	2	2	2	1	1	0	14
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	1	1	1	1	1	0	0	0	5
	CONSUMPTIVE USE	0	0	1	1	1	1	1	1	1	1	1	0	9
Maurice McAlister (River Intake)		0	0	1	1	1	1	1	1	1	1	1	1	10
Crystal Beach Water Conservation District		7	7	8	9	10	10	11	10	9	8	8	7	104
EPCOR (formerly Arizona-American Water Company)		59	57	63	58	64	82	78	70	83	59	64	54	791
Arizona State Parks (Windsor Beach)		2	1	1	2	1	4	3	3	2	3	2	2	26
SUBTOTALS, DAVIS DAM TO PARKER DAM ²														
	DIVERSION	68	65	73	70	76	97	93	84	95	71	75	64	931
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	24	22	25	24	26	35	33	31	33	25	26	22	326
	CONSUMPTIVE USE	44	43	48	46	50	62	60	53	62	46	49	42	605
Hillcrest Water Company		1	1	1	1	1	2	2	2	1	1	1	1	15
Springs Del Sol Domestic Water Improvement District		0	0	0	0	0	0	1	1	1	0	0	0	3
Rayner Ranches (Jack Rayner Jr.)	AEP-9	154	192	262	283	346	420	458	441	347	290	206	203	3,602
Arizona State Land Department (domestic)		1	1	1	3	3	3	3	2	2	1	1	1	22
Arizona State Land Department (agricultural)	ADP-6	22	36	201	186	269	436	398	321	141	58	32	46	2,146
North Baja Pipeline (TransCanada)		12	21	27	23	29	41	43	38	32	15	1	0	282
BLM Permittees (LHFO & YFO)		53	47	116	78	86	133	104	113	65	121	65	61	1,042
Fisher's Landing Water and Sewer LLC		2	1	2	2	2	2	2	2	1	1	1	1	19
Shepard Water Company		2	1	2	2	1	2	2	2	2	2	3	2	23
SUBTOTALS, PARKER DAM TO IMPERIAL DAM ²														
	DIVERSION	247	300	612	578	737	1,039	1,013	922	592	489	310	315	7,154
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	87	103	217	203	257	365	356	323	207	172	107	108	2,505
	CONSUMPTIVE USE	160	197	395	375	480	674	657	599	385	317	203	207	4,649
JRJ Partners LLC (aka Bard Date Gardens)	AEP-1, AEW-3	52	30	99	121	115	72	118	113	36	102	109	104	1,071
Cha Cha (Befra Farming LLC)	AEP-2/3, AEW-4/5, ADW-3	96	107	161	182	251	288	214	227	176	55	76	49	1,882
Beattie Farms Southwest (Russell Youmans) ³	ADW-2	67	83	113	123	150	140	153	169	143	87	37	80	1,345
BLM Permittees (YFO)		0	3	6	15	11	10	8	9	5	6	0	3	76
L. Pratt ³		13	16	22	23	29	35	38	36	29	24	17	17	299
George Ogram ⁴	AEW-9	8	24	73	95	78	52	60	25	0	42	8	13	478
Ogram Boys' Enterprises ⁴		33	56	154	276	186	81	33	26	26	22	13	16	922
John Peach ³	AEW-12	14	18	25	27	32	39	43	41	32	27	19	19	336
Arizona Public Service Company (Yucca Power Plant)		7	15	24	47	68	65	60	81	53	33	5	4	462
BLM (farmed by Monty Lee) ³	AEW-14, ADP-1	13	16	22	23	29	35	38	37	29	24	17	17	300
Curry Family Limited ³	AEP-4, ADP-2	9	11	15	16	19	23	26	25	19	16	11	11	201
Power ³	ADP-3/4	17	21	29	31	38	47	51	49	38	32	23	23	399
Griffin Ranches ³		12	15	20	22	27	33	35	34	27	22	16	16	279
Milton Phillips ³		6	8	10	11	14	17	18	18	14	12	8	8	144
Victor Power ³		3	3	4	5	6	7	8	7	6	5	3	3	60
Gary Pasquinelli	ADP-5	13	15	24	18	23	44	12	35	153	25	26	27	415
Arizona State Land Department (agricultural) ⁴		437	473	786	881	1,009	875	673	751	624	745	576	495	8,325
SUBTOTALS, BELOW IMPERIAL DAM ²														
	DIVERSION	800	914	1,587	1,916	2,085	1,863	1,588	1,683	1,410	1,279	964	905	16,994
	MEASURED RETURNS	11	11	13	15	19	10	6	7	8	11	8	10	129
	UNMEASURED RETURNS	283	323	559	678	738	660	568	600	501	456	341	320	6,027
	CONSUMPTIVE USE	506	580	1,015	1,223	1,328	1,193	1,014	1,076	901	812	615	575	10,838
TOTAL ARIZONA SUPPLEMENTAL TABULATION ²														
	DIVERSION	1,115	1,279	2,273	2,565	2,900	3,001	2,696	2,691	2,099	1,840	1,350	1,284	25,093
	MEASURED RETURNS	11	11	13	15	19	10	6	7	8	11	8	10	129
	UNMEASURED RETURNS	394	448	801	905	1,022	1,061	958	955	742	653	474	450	8,863
	CONSUMPTIVE USE	710	820	1,459	1,645	1,859	1,930	1,732	1,729	1,349	1,176	868	824	16,101

Foot notes:

¹ References such as AEW/ADP/AEP are defined on page 1, "Acronyms and Abbreviated Terms".

² Monthly and annual totals rounded and displayed to the nearest whole number.

³ Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.

⁴ George Ogram, Ogram Boys' Enterprises, and some ASLD lands have water delivered (wheeled) to them by YID from the GGMC.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF CALIFORNIA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
FORT MOJAVE INDIAN RESERVATION														
AGRICULTURAL - RIVER PUMPS ²	DIVERSION	600	1,090	1,682	1,160	1,671	2,180	1,286	1,532	545	1,557	1,451	1,028	15,782
DOMESTIC - WELLS ²	DIVERSION	3	3	4	5	6	8	7	7	5	4	3	2	57
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	279	505	779	538	775	1,011	597	711	254	721	672	476	7,318
	CONSUMPTIVE USE	324	588	907	627	902	1,177	696	828	296	840	782	554	8,521
CITY OF NEEDLES														
WELLS ³	DIVERSION	122	125	151	194	248	249	241	239	161	201	170	126	2,227
	MEASURED RETURNS	26	24	27	25	26	24	28	29	27	29	25	25	315
	UNMEASURED RETURNS	2	2	3	2	2	2	2	3	2	3	2	2	27
	CONSUMPTIVE USE	94	99	121	167	220	223	211	207	132	169	143	99	1,885
CHEMEHUEVI INDIAN RESERVATION														
PUMPED FROM RIVER AND WELLS	DIVERSION	13	13	13	13	15	19	17	16	14	14	13	10	170
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	6	6	6	6	7	9	8	7	6	6	6	5	78
	CONSUMPTIVE USE	7	7	7	7	8	10	9	9	8	8	7	5	92
METROPOLITAN WATER DISTRICT														
DIVERSION FROM LAKE HAVASU	DIVERSION	54,645	49,143	21,531	97,207	100,058	96,743	101,162	100,235	74,027	14,589	14,103	15,574	739,017
	MEASURED RETURNS	305	253	257	254	249	202	215	229	213	203	249	269	2,898
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	54,340	48,890	21,274	96,953	99,809	96,541	100,947	100,006	73,814	14,386	13,854	15,305	736,119
PARKER DAM AND GOVERNMENT CAMP														
DIVERSION AT PARKER DAM ³	DIVERSION	6	5	3	9	9	9	10	13	13	14	8	8	107
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	6	5	3	9	9	9	10	13	13	14	8	8	107
COLORADO RIVER INDIAN RESERVATION														
RIVER PUMPS AND WELLS	DIVERSION	202	253	345	373	455	553	603	580	456	382	271	267	4,740
BIG RIVER - WELLS	DIVERSION	41	44	55	57	74	78	74	69	70	57	46	38	703
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	101	124	167	179	220	263	282	271	219	183	132	127	2,268
	CONSUMPTIVE USE	142	173	233	251	309	368	395	378	307	256	185	178	3,175
CITY OF WINTERHAVEN														
1 WELL	DIVERSION	8	8	9	8	8	9	9	9	8	8	9	9	102
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	3	3	3	3	3	3	3	3	3	3	3	3	36
	CONSUMPTIVE USE	5	5	6	5	5	6	6	6	5	5	6	6	66
PALO VERDE IRRIGATION DISTRICT														
DIVERSION FROM PALO VERDE DAM	DIVERSION	31,670	58,190	75,670	72,970	100,400	104,200	93,600	100,800	90,290	73,870	51,030	41,190	893,880
	MEASURED RETURNS	28,500	32,285	37,705	35,728	40,601	41,586	45,419	45,958	46,092	46,725	41,127	39,872	481,598
	UNMEASURED RETURNS	1,774	3,259	4,238	4,086	5,622	5,835	5,242	5,645	5,056	4,137	2,858	2,307	50,059
	CONSUMPTIVE USE	1,396	22,646	33,727	33,156	54,177	56,779	42,939	49,197	39,142	23,008	7,045	-989	362,223
YUMA PROJECT RESERVATION DIVISION, INDIAN UNIT														
DIVERSION AT IMPERIAL DAM	DIVERSION	2,350	2,631	5,977	6,112	4,907	2,898	2,774	4,405	2,103	4,454	3,437	3,395	45,443
DOMESTIC ⁴	DIVERSION	34	42	58	63	76	93	101	97	77	64	45	45	795
	MEASURED RETURNS	40	45	88	45	50	77	98	188	90	180	142	62	1,105
	UNMEASURED RETURNS	392	439	998	1,021	819	484	463	736	351	744	574	567	7,588
YUMA PROJECT RESERVATION DIVISION, BARD UNIT														
DIVERSION AT IMPERIAL DAM	DIVERSION	2,624	3,421	5,746	6,569	5,431	4,065	4,402	5,292	3,899	5,067	3,816	397	50,729
	MEASURED RETURNS	26	30	47	27	32	68	97	144	86	108	94	6	765
	UNMEASURED RETURNS	438	571	960	1,097	907	679	735	884	651	846	637	66	8,471
RETURNS FROM YUMA PROJECT														
RESERVATION DIVISION ⁵	MEASURED RETURNS	2,200	2,082	2,323	2,710	2,252	2,407	2,494	2,794	2,990	2,952	2,839	2,524	30,567
SUM, YUMA PROJECTS RESERVATION DIVISION USE	CONSUMPTIVE USE	1,912	2,927	7,365	7,844	6,354	3,341	3,390	5,048	1,911	4,755	3,012	612	48,471

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF CALIFORNIA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	146,018	175,122	282,788	332,230	334,585	316,965	303,373	244,271	240,452	243,470	166,409	111,919	2,897,602
	MEASURED RETURNS	4,375	4,766	6,840	3,888	5,619	14,955	17,620	17,627	15,154	15,088	11,162	4,148	121,242
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	11,937	11,167	15,065	10,844	9,287	6,359	10,173	17,219	10,828	10,503	9,693	3,781	126,856
DELIVERY FROM WARREN H. BROCK RESERVOIR ⁶	CONSUMPTIVE USE	153,580	181,523	291,013	339,186	338,253	308,369	295,926	243,863	236,126	238,885	164,940	111,552	2,903,216
WATER TRANSFERRED TO SDCWA ⁷	DIVERSION	0	0	0	0	0	0	0	0	6,131	8,702	0	1,248	16,081
	MEASURED RETURNS	0	0	0	0	0	0	0	0	386	539	0	46	971
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	5,745	8,163	0	1,202	15,110
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	16,517	20,569	26,380	30,699	36,418	35,546	36,480	36,699	28,650	29,301	28,326	19,338	344,923
	MEASURED RETURNS	495	560	638	359	612	1,677	2,119	2,648	1,806	1,816	1,900	717	15,347
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	16,022	20,009	25,742	30,340	35,806	33,869	34,361	34,051	26,844	27,485	26,426	18,621	329,576
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN ⁸ DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION	588	723	973	1,185	1,467	1,851	1,846	1,808	1,377	1,157	948	795	14,718
	MEASURED RETURNS	9	11	15	16	20	24	27	25	20	17	12	12	208
	UNMEASURED RETURNS	249	311	421	509	635	804	799	780	597	497	409	342	6,353
	CONSUMPTIVE USE	330	401	538	660	811	1,023	1,020	1,003	760	643	527	441	8,157
CALIFORNIA TOTALS														
	DIVERSION	255,441	311,382	421,385	548,854	585,828	565,466	545,985	496,072	448,278	382,911	270,085	195,389	5,027,076
	MEASURED RETURNS	35,976	40,056	47,940	43,052	49,461	61,020	68,117	69,642	66,864	67,657	57,550	47,681	655,016
	UNMEASURED RETURNS	3,244	5,220	7,575	7,441	8,990	9,090	8,131	9,040	7,139	7,140	5,293	3,895	82,198
	CONSUMPTIVE USE	228,158	277,273	380,935	509,205	536,664	501,715	479,910	434,609	385,103	318,617	216,935	147,594	4,416,718

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

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

² Diversion amounts include any deliveries to the Fort Mojave Indian Reservation by the City of Needles.

³ All or a portion of this Colorado River use is offset by pumping from the LCWSP. Details shown in the LCWSP section of this report.

⁴ These values represent an estimate of the amount of diversions required by the Tribe to provide domestic water service for users within the Reservation.

⁵ Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the AAC.

⁶ Colorado River water captured in the Warren H. Brock Reservoir and delivered to IID as consumptive use. Flow measurement is made at the Brock Reservoir outlet channel station 21+36.

⁷ This entry represents water to be conserved by IID and transferred to SDCWA for Salton Sea mitigation, in accordance with the CRWDA, Exhibit B, Column 7, and the IID/SDCWA Water Transfer Agreement, as amended.

⁸ Details may be found in the Article V(B) California Supplemental Tabulation.

CALIFORNIA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2012
STATE OF CALIFORNIA

		05/15/13	(Values are in acre-feet)											
WATER USER	USGS# ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Southern California Gas ²	CEW-21	3	4	5	5	6	8	9	8	7	5	4	4	68
Pacific Gas & Electric Company ²		9	11	15	16	20	24	27	26	20	17	12	12	209
Havasu Water Company ²	Needles report	3	3	4	5	6	7	8	7	6	5	3	3	60
Vista Del Lago ²	Needles report	1	1	1	1	1	2	2	2	1	1	2	1	16
Wells reported under non-Federal subcontracts to LCWSP ²	Needles report	13	16	22	23	28	35	37	36	28	24	17	17	296
SUBTOTALS, DAVIS DAM TO PARKER DAM ³	DIVERSION	29	35	47	50	61	76	83	79	62	52	38	37	649
	MEASURED RETURNS ⁴	9	11	15	16	20	24	27	25	20	17	12	12	208
	UNMEASURED RETURNS	6	7	11	11	13	18	19	18	15	12	9	9	148
	CONSUMPTIVE USE	14	17	22	23	27	34	37	36	27	23	17	16	293
Wetmore, Kenneth C.		0	0	0	0	1	1	1	1	1	0	0	0	5
Williams, Jerry O. & Deloris P.		0	0	0	0	0	0	1	0	0	0	0	0	1
Williams, Jerry		0	0	0	0	0	0	1	0	0	0	0	0	1
Carney, Jerome D.		0	0	0	0	0	0	1	0	0	0	0	0	1
Wetmore, Mark M.		0	0	1	1	1	1	1	1	1	1	1	0	9
Citrus Ranch (C.L. Lye) ²	CEW-16	0	0	0	0	0	0	0	0	0	0	0	0	0
BLM Permittees (LHFO & YFO) ^{2,5}		27	24	17	41	25	52	48	45	28	36	27	25	395
SUBTOTALS, PARKER DAM TO IMPERIAL DAM ³	DIVERSION	27	24	18	42	27	54	53	47	30	37	28	25	412
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	6	6	4	10	7	14	13	12	9	8	6	5	100
	CONSUMPTIVE USE	21	18	14	32	20	40	40	35	21	29	22	20	312
FORT YUMA INDIAN RESERVATION - CA														
Living Earth Farm ⁶	CEW-2, CDP-3	45	56	76	83	101	122	134	128	101	85	60	59	1,050
MivCo Packing ⁶	CEW-14	39	49	66	72	88	106	116	112	88	74	52	51	913
Valdez, Mike ⁶	CDP-1,2, CEW-01, CEW-15	64	80	110	118	145	176	192	185	145	121	86	85	1,507
Ranch "5" Lands, Yuma Island, CA ⁷	AAC diversion	0	0	0	112	179	265	125	156	85	63	169	32	1,186
Huerta Packing ⁶	CDP-6/7	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM OF PUMPING ON FYIR, CALIFORNIA ³	DIVERSION	148	185	252	385	513	669	567	581	419	343	367	227	4,656
SUM OF UNMEASURED RETURNS, FYIR CALIFORNIA	UNMEASURED RETURNS	66	83	113	172	229	301	254	259	187	153	163	101	2,081
YUMA ISLAND - CALIFORNIA														
Arizona State Land Department Lessees:														
Curtis Family Trust ⁶	AEP-02, AEP-03, AEW-04, AEW-05, ADV	6	8	11	12	15	18	19	19	15	12	9	8	152
Martin Family Trust ⁶	CEP-01,02, CDW-07	32	40	55	59	72	88	96	92	72	61	43	42	752
Billy Turner ⁶	CDW-5, CEW-7	10	12	17	18	22	26	29	28	22	18	13	13	228
Leroy Heile ⁶	CDW-8 (CEW-12)	87	108	148	159	195	237	258	248	195	163	116	114	2,028
Griffin Produce Company ⁶	CDW-2	24	29	40	44	53	65	70	68	53	45	32	31	554
Perez Family Trust ⁶	CEW-9	17	21	29	32	39	47	51	49	39	33	23	23	403
Clifford Winton Jr. ^{6,8}	CEW-13	12	15	20	22	27	33	35	34	27	22	16	16	279
Clara Jean Wilson ^{6,8}		8	10	14	15	18	22	24	23	18	15	11	11	189
Robert E. Harp ^{6,8}		59	74	101	109	134	162	177	170	134	112	79	78	1,389
K.H. Easterday ⁶		47	59	81	87	106	129	141	135	106	89	63	62	1,105
Richard Lee Wilson ⁶		8	10	13	14	18	22	23	23	18	15	11	10	185
Dees, Alex ⁶		48	60	82	88	108	131	142	137	108	90	64	63	1,121
Mike Palmer (L.O. Power) ⁶		26	33	45	49	59	72	78	75	59	50	35	35	616
SUM OF PUMPING ON THE YUMA ISLAND CALIFORNIA ³	DIVERSION	384	479	656	708	866	1,052	1,143	1,101	866	725	515	506	9,001
SUM OF UNMEASURED RETURNS FROM YUMA ISLAND CALIFORNIA	UNMEASURED RETURNS	171	215	293	316	386	471	513	491	386	324	231	227	4,024
SUBTOTALS, ALL USES BELOW IMPERIAL DAM	DIVERSION	532	664	908	1,093	1,379	1,721	1,710	1,682	1,285	1,068	882	733	13,657
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	237	298	406	488	615	772	767	750	573	477	394	328	6,105
	CONSUMPTIVE USE	295	366	502	605	764	949	943	932	712	591	488	405	7,552
TOTAL CALIFORNIA SUPPLEMENTAL TABULATION	DIVERSION	588	723	973	1,185	1,467	1,851	1,846	1,808	1,377	1,157	948	795	14,718
	MEASURED RETURNS	9	11	15	16	20	24	27	25	20	17	12	12	208
	UNMEASURED RETURNS	249	311	421	509	635	804	799	780	597	497	409	342	6,353
	CONSUMPTIVE USE	330	401	538	660	811	1,023	1,020	1,003	760	643	527	441	8,157

CALIFORNIA SUPPLEMENTAL TABULATION
CALENDAR YEAR 2012
STATE OF CALIFORNIA

05/15/13

(Values are in acre-feet)

WATER USER	USGS# ¹	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
------------	--------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

Footnotes:

¹ References such as CDW/CDP/CEP are defined on page 1, "Acronyms and Abbreviated Terms."

² Tabulated use is offset by pumping from the LCWSP. Details shown in the LCWSP Section of this report.

³ Monthly and annual totals rounded to the nearest whole number.

⁴ This measured return is provided to Pacific Gas & Electric Company alone for water that has been diverted and reinjected as part of its Topock Groundwater Remediation Project.

⁵ At the request of BLM, site specific unmeasured return flow factors have been developed and applied in CA. Some BLM lessees have very limited returns due to evaporation ponds and low application rates.

⁶ Calculated by the USGS using field crop verification and ET methodologies. See Significant Documents section of this report for further discussion.

⁷ Surface water diversions from the AAC via the Bard Water District to Ranch 5 lands within Arizona and California. Diversion calculated by prorating total measured delivery by irrigated acreage in each state.

⁸ Acreage irrigated by co-mingled diversions from multiple wells. Diversion calculated using the methodology annotated in footnote 6 above.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF NEVADA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	2	2	3	2	2	2	3	3	3	3	2	2	29
	MEASURED RETURNS	2	1	2	2	2	2	2	2	2	2	2	1	22
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	1	1	0	0	0	1	1	1	1	0	1	7
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	25,863	24,920	31,051	33,813	43,531	40,277	43,231	40,294	32,425	37,088	29,682	25,678	407,853
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	27	28	30	31	38	41	48	50	43	40	26	25	427
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	27	28	30	31	38	41	48	50	43	40	26	25	427
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	10	12	10	11	14	17	15	15	13	13	13	8	151
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	10	12	10	11	14	17	15	15	13	13	13	8	151
BASIC WATER COMPANY														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	395	577	518	423	501	525	464	459	467	405	380	441	5,555
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	395	577	518	423	501	525	464	459	467	405	380	441	5,555
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	734	714	1,577	1,556	1,661	1,933	1,178	928	1,259	956	1,182	1,237	14,915
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	734	714	1,577	1,556	1,661	1,933	1,178	928	1,259	956	1,182	1,237	14,915
NEVADA DEPARTMENT OF FISH AND GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	13	12	24	17	16	16	24	25	23	24	25	25	244
	MEASURED RETURNS	12	11	23	17	15	15	23	24	23	23	24	24	234
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1	1	1	0	1	1	1	1	0	1	1	1	10
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	57	66	53	57	73	59	76	78	90	88	77	90	864
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	57	66	53	57	73	59	76	78	90	88	77	90	864
BIG BEND WATER DISTRICT														
	DIVERSION	307	306	381	372	464	457	476	468	413	388	336	278	4,646
	MEASURED RETURNS	151	147	167	178	177	185	213	211	183	182	158	147	2,099
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	156	159	214	194	287	272	263	257	230	206	178	131	2,547
BIG BEND CONSERVATION AREA														
	DIVERSION	0	0	0	0	0	1	2	0	0	0	0	0	3
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	1	2	0	0	0	0	0	3
FORT MOJAVE INDIAN RESERVATION														
2 WELLS	DIVERSION	188	247	202	313	545	616	629	586	736	217	321	70	4,670
	MEASURED RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	UNMEASURED RETURNS	62	82	67	103	180	203	208	193	243	72	106	23	1,542
	CONSUMPTIVE USE	126	165	135	210	365	413	421	393	493	145	215	47	3,128
LAS VEGAS WASH RETURN FLOWS ²	RETURNS	18,445	15,908	17,103	15,511	15,418	14,535	16,338	18,246	15,956	18,071	16,348	16,420	198,299

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2012
STATE OF NEVADA

05/15/13

(Values are in acre-feet)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL ¹
NEVADA TOTALS														
	DIVERSION	27,596	26,884	33,849	36,595	46,845	43,944	46,146	42,906	35,472	39,222	32,044	27,854	439,357
	MEASURED RETURNS	18,610	16,067	17,295	15,708	15,612	14,737	16,576	18,483	16,164	18,278	16,532	16,592	200,654
	UNMEASURED RETURNS	62	82	67	103	180	203	208	193	243	72	106	23	1,542
	CONSUMPTIVE USE	8,924	10,735	16,487	20,784	31,053	29,004	29,362	24,230	19,065	20,872	15,406	11,239	237,161
GROUNDWATER INJECTED STORAGE ³														
LAS VEGAS VALLEY WATER DISTRICT	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	67	183	138	56	444
CITY OF NORTH LAS VEGAS	INJECTED	0	0	0	0	0	0	0	0	0	0	0	0	0
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Footnotes:

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

² Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and revised as noted in the Reclamation letter to SNWA and CRCN dated December 12, 2007.

³ Nevada Injected Storage Balance:	Beginning of Year Cumulative Injected Storage ^{3.1}	361,695
	Plus Current Year Additions	0
	Minus Current Year Withdrawals	444
	End of Year Cumulative Injected Storage	361,251

^{3.1} Colorado River water injected into ground water storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. It will not be accounted for as a consumptive use in the year in which it is withdrawn from storage, but because it originated as Colorado River water it will be accounted for as a return flow credit in the year in which it returns to the Colorado River.

**RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
THEREFOR BUT NOT DIVERTED BY PARTY ORDERING THE SAME, AND THE
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF THE
MEXICAN TREATY OR DIVERTED BY OTHERS; IN ACCORDANCE WITH ARTICLE V(C)
OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN
ARIZONA V. CALIFORNIA, 547 U.S. 150 (2006)**

The following tabulations for calendar year 2012 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree, Reclamation tabulated quantities of such rejected water passing to Mexico in excess of treaty requirements and quantities captured in storage in federally operated facilities.

Water ordered but not diverted was computed daily for each diverter as the difference between the approved daily order and the mean daily delivery on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily quantities. Daily orders are provided to Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream. To the extent possible, water ordered but not diverted was delivered to others in satisfaction of their rights. Any remaining water ordered but not diverted was apportioned between delivery to storage, delivery to Mexico in satisfaction of treaty requirements and finally, to Mexico in excess of treaty requirements.

The water users included in this tabulation are the major water users from which Reclamation receives a daily water order, and with the exception of CAP and MWD, are those that divert their water downstream of Parker Dam. Currently, no daily orders are received from Nevada for diversion from the Colorado River therefore no sheet is included for Nevada. In addition, the storage capacity of Lake Mead is large enough in relation to the present daily diversions from the reservoir by Nevada that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of treaty requirements.

The "Delivered to Mexico in Excess of Treaty" values displayed in this section of the report reflect only the water over delivered to Mexico, according to IBWC's schedule, resulting from water that had been ordered but not diverted. The "To Mexico in Excess of Treaty" values displayed in the Article V (D) section reflect all water under/over delivered to Mexico according to IBWC's schedule. No comparison between the two sections should be made.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13		(Values are in acre-feet)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		354	910	897	-769	-40	451	-222	3,415	3,198	-67	673	-8,322	478
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
DELIVERED TO STORAGE ¹		354	910	897	-769	-40	451	-222	3,415	3,198	-67	673	-8,322	478
DELIVERED TO MEXICO IN														
EXCESS OF TREATY														
COLORADO RIVER INDIAN RESERVATION, DIVERSION AT HEADGATE ROCK														
ORDERED BUT NOT DIVERTED		1,660	2,374	3,640	3,332	2,551	2,573	2,866	4,385	2,801	4,917	1,950	1,785	34,834
DELIVERED TO MEXICO IN		697	1,154	1,747	902	857	399	700	1,562	1,510	1,466	924	315	12,232
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		470	956	1,482	1,828	1,269	1,893	801	1,971	856	1,854	784	431	14,595
DELIVERED TO STORAGE ¹		453	232	359	338	224	219	661	710	333	486	142	138	4,294
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		40	32	52	265	201	61	705	141	103	1,111	101	902	3,714
NORTH GILA VALLEY I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		799	534	882	308	582	775	1,214	726	683	324	965	765	8,556
DELIVERED TO MEXICO IN		427	264	447	169	96	107	305	229	314	175	181	161	2,873
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		190	177	383	90	409	587	451	377	95	106	207	422	3,494
DELIVERED TO STORAGE ¹		165	84	43	12	73	71	294	34	162	21	45	87	1,090
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		17	9	10	37	5	10	165	86	112	22	532	96	1,098
GILA MONSTER FARMS, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		587	439	393	255	99	211	571	500	602	547	608	735	5,546
DELIVERED TO MEXICO IN		335	231	212	75	44	37	196	186	321	185	254	117	2,192
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		125	154	125	155	47	135	229	245	154	142	275	215	2,001
DELIVERED TO STORAGE ¹		111	49	48	6	9	30	87	42	105	66	57	53	663
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		17	4	8	20	0	8	58	27	21	154	23	350	690
WELLTON-MOHAWK I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		4,531	3,565	1,182	1,714	2,025	1,430	3,510	2,689	4,933	3,210	3,087	3,424	35,298
DELIVERED TO MEXICO IN		2,175	1,934	665	551	339	349	677	1,247	2,740	1,164	1,504	598	13,941
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		1,358	1,127	305	627	1,022	814	1,191	966	1,084	772	1,063	736	11,064
DELIVERED TO STORAGE ¹		862	490	161	222	258	187	776	230	817	342	461	335	5,143
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		136	14	51	314	406	80	866	247	292	933	59	1,754	5,150
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		241	167	333	443	347	264	794	246	301	250	212	374	3,974
DELIVERED TO MEXICO IN		136	82	207	113	213	70	186	139	157	93	77	76	1,550
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		67	75	105	232	126	166	346	81	62	47	113	114	1,535
DELIVERED TO STORAGE ¹		36	10	10	16	7	8	54	2	51	21	11	16	242
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		1	0	11	82	1	21	209	24	32	88	11	169	647

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 2012
STATE OF ARIZONA

05/15/13		(Values are in acre-feet)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YUMA MESA I.D.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		2,386	2,562	1,985	1,730	2,021	1,892	5,208	1,759	3,919	2,382	3,085	2,674	31,601
DELIVERED TO MEXICO IN		1,509	1,355	1,078	553	603	365	778	672	2,068	868	1,569	365	11,783
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		632	1,024	635	914	1,337	1,227	1,458	820	763	575	1,075	980	11,441
DELIVERED TO STORAGE ¹		190	151	226	60	28	272	939	68	880	117	355	193	3,479
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		55	32	45	205	52	28	2,033	198	208	822	86	1,137	4,899
UNIT "B" I.D., DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		448	388	516	431	351	536	593	390	977	265	522	328	5,744
DELIVERED TO MEXICO IN		279	252	291	154	108	104	179	193	455	156	232	64	2,466
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		103	112	180	228	174	362	227	132	189	72	125	218	2,122
DELIVERED TO STORAGE ¹		51	20	32	14	56	63	32	26	212	17	43	25	592
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		15	3	13	34	13	7	156	39	121	19	121	22	564
YUMA COUNTY WATER USERS' ASSOCIATION, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		5,095	4,554	2,160	1,527	4,242	2,958	3,746	4,410	5,988	9,198	8,708	8,568	61,155
DELIVERED TO MEXICO IN		2,765	2,715	1,196	311	1,006	564	427	1,538	2,730	2,555	3,748	1,408	20,965
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		1,451	1,291	783	928	2,273	2,156	1,204	2,020	2,194	2,793	3,554	2,547	23,194
DELIVERED TO STORAGE ¹		803	504	101	140	916	188	982	429	1,015	1,007	970	615	7,670
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		75	44	80	148	46	50	1,133	424	48	2,843	436	3,999	9,326
ARIZONA TOTALS														
ORDERED BUT NOT DIVERTED		16,100	15,492	11,988	8,972	12,178	11,089	18,281	18,520	23,401	21,025	19,809	10,332	187,187
DELIVERED TO MEXICO IN		8,322	7,988	5,844	2,827	3,265	1,994	3,447	5,765	10,294	6,663	8,489	3,103	68,002
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		4,396	4,916	3,998	5,001	6,657	7,340	5,906	6,613	5,398	6,361	7,196	5,663	69,446
DELIVERED TO STORAGE ¹		3,026	2,450	1,877	39	1,532	1,489	3,602	4,956	6,773	2,009	2,757	-6,861	23,651
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		356	137	269	1,104	724	265	5,325	1,186	936	5,992	1,368	8,428	26,089

¹ Delivered to temporary storage in Senator Wash Reservoir.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 2012
STATE OF CALIFORNIA

		05/15/13	(Values are in acre-feet)											
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU														
ORDERED BUT NOT DIVERTED		1,955	257	-1,631	3,293	2,342	3,257	-862	-1,235	-27	911	795	-74	8,981
DELIVERED TO MEXICO IN														
SATISFACTION OF TREATY														
DIVERTED BY OTHERS														
DELIVERED TO STORAGE ¹		1,955	257	-1,631	3,293	2,342	3,257	-862	-1,235	-27	911	795	-74	8,981
DELIVERED TO MEXICO IN														
EXCESS OF TREATY														
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM														
ORDERED BUT NOT DIVERTED		502	119	377	413	327	357	1,543	674	1,111	605	141	595	6,763
DELIVERED TO MEXICO IN		383	38	260	137	247	20	267	281	317	225	66	207	2,446
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		83	81	94	149	71	280	169	164	608	101	49	32	1,882
DELIVERED TO STORAGE ¹		25	0	10	39	0	33	132	17	159	82	18	40	555
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		11	0	13	88	9	24	976	212	27	197	8	316	1,880
YUMA PROJECT RESERVATION DIVISION, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		4,401	3,371	1,651	2,255	2,217	1,384	1,790	2,283	2,234	1,497	4,325	4,224	31,631
DELIVERED TO MEXICO IN		2,192	1,668	1,199	674	897	251	551	810	1,205	518	1,910	824	12,699
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		1,265	1,313	340	1,162	1,044	971	637	1,142	615	260	1,690	1,149	11,589
DELIVERED TO STORAGE ¹		838	350	77	292	224	140	227	254	352	181	475	313	3,722
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		105	39	36	127	53	23	377	76	61	538	250	1,937	3,621
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		12,882	15,675	27,102	18,071	9,334	6,712	21,183	18,723	14,327	15,544	12,927	18,395	190,873
DELIVERED TO MEXICO IN		9,070	9,132	14,572	8,116	3,794	2,686	7,158	7,601	8,505	6,486	7,236	4,275	88,631
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		2,072	3,728	8,390	5,822	2,690	2,508	3,152	4,451	1,875	3,030	2,874	2,080	42,670
DELIVERED TO STORAGE ¹		1,210	2,571	3,405	2,234	1,213	1,419	3,998	2,974	3,714	1,990	2,051	1,639	28,417
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		529	244	736	1,900	1,637	99	6,876	3,697	233	4,038	766	10,400	31,155
COACHELLA VALLEY WATER DISTRICT, DIVERSION AT IMPERIAL DAM														
ORDERED BUT NOT DIVERTED		3,095	3,975	2,592	2,013	2,769	2,943	1,048	1,561	4,118	1,903	801	5,542	32,360
DELIVERED TO MEXICO IN		1,129	2,333	1,301	828	1,208	479	292	240	2,199	619	326	528	11,481
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		1,108	1,359	967	979	988	2,011	394	637	981	349	291	2,544	12,608
DELIVERED TO STORAGE ¹		809	251	260	88	288	379	99	258	698	199	177	273	3,776
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		50	32	65	118	284	74	263	426	241	735	7	2,199	4,495
CALIFORNIA TOTALS														
ORDERED BUT NOT DIVERTED		22,835	23,397	30,091	26,044	16,989	14,653	24,703	22,006	21,762	20,459	18,988	28,682	270,609
DELIVERED TO MEXICO IN		12,774	13,171	17,331	9,755	6,146	3,436	8,267	8,933	12,225	7,847	9,538	5,834	115,257
SATISFACTION OF TREATY														
DIVERTED BY OTHERS		4,528	6,482	9,791	8,111	4,793	5,770	4,351	6,394	4,079	3,741	4,904	5,805	68,749
DELIVERED TO STORAGE ¹		4,837	3,428	2,120	5,946	4,067	5,226	3,593	2,267	4,896	3,363	3,517	2,191	45,451
DELIVERED TO MEXICO IN														
EXCESS OF TREATY		696	316	850	2,233	1,983	221	8,492	4,411	561	5,508	1,030	14,852	41,152

¹ Delivered to temporary storage in Senator Wash Reservoir.

RECORDS OF DELIVERIES TO MEXICO OF WATER IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944 AND WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS IN ACCORDANCE WITH ARTICLE V (D) OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)

05/15/13	CALENDAR YEAR 2012												
	(Values are in acre-feet)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COLORADO RIVER AT NORTHERLY INTERNATIONAL BOUNDARY ¹	119,658	147,284	175,715	170,959	88,615	92,803	112,409	87,837	79,466	57,906	74,871	120,877	1,328,400
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS													
DELIVERY AT THE LIMITROPHE ²	780	593	519	452	485	392	435	415	814	1,510	1,231	940	8,566
DIVERSION FOR DELIVERY TO TIJUANA ³	0	0	0	0	0	0	0	0	0	0	102	0	102
DELIVERY AT SOUTHERLY INTERNATIONAL BOUNDARY	10,154	10,952	10,985	11,549	9,666	9,458	11,138	9,075	9,487	10,327	11,488	10,485	124,764
DIVERSION CHANNEL DISCHARGE ⁴		3	2	15	0	0	0	0	1				21
DELIVERY TO MEXICO AT NORTHERLY INTERNATIONAL BOUNDARY ⁵	119,350	146,894	175,234	165,124	87,514	92,626	91,043	82,794	79,006	43,533	73,336	77,116	1,233,570
TOTAL DELIVERIES TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	130,284	158,442	186,740	177,140	97,665	102,476	102,616	92,284	89,308	55,370	86,157	88,541	1,367,023
MEXICO'S DEFERRED DELIVERY ⁶	0	0	0	28,268	14,650	15,699	15,882	12,221	12,201	8,302	12,584	13,170	132,977
TOTAL TO MEXICO IN SATISFACTION OF TREATY REQUIREMENTS	130,284	158,442	186,740	205,408	112,315	118,175	118,498	104,505	101,509	63,672	98,741	101,711	1,500,000
TO MEXICO IN EXCESS OF TREATY ⁷	308	390	481	5,835	1,101	177	21,366	5,043	460	14,373	1,535	43,761	94,830
ACCOUNTABLE DELIVERIES TO MEXICO ⁸	130,592	158,832	187,221	182,975	98,766	102,653	123,982	97,327	89,768	69,743	87,692	132,302	1,461,853
WATER BYPASSED PURSUANT TO MINUTE 242 OF THE IBWC	10,498	8,708	9,612	9,155	8,797	8,885	8,867	8,932	9,737	14,792	14,492	13,746	126,221
MEXICO'S DEFERRED DELIVERY - EVAPORATION LOSS ⁹												3,989	3,989
MEXICO'S DEFERRED DELIVERY MINUS EVAPORATION LOSS													128,988
CUMULATIVE VOLUME OF MEXICO'S DEFERRED DELIVERY AVAILABLE FOR FUTURE DELIVERY ¹⁰													176,349

Footnotes:

¹ Flow in the river at the Northerly International Boundary as reported by IBWC as delivery to Mexico.

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

³ Temporary emergency delivery of Colorado River water for Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD, SDCWA, and Otay Water District's distribution systems pursuant to Minutes No. 310 and 314 of the IBWC.

⁴ The Diversion Channel delivers water from the SIB confluence structure to the river or to the Bypass. During the months of February through September water is discharged to the Colorado River and is charged to the Treaty.

⁵ That portion of the flows at NIB necessary to meet the 1.5 MAF Treaty obligation.

⁶ Mexico's deferred deliveries pursuant to Minute Nos. 318 and 319 of the IBWC.

⁷ Water passing to Mexico in excess of Mexico's daily schedule. Sum of daily differences between actual flows to Mexico and Mexico's total schedule.

⁸ Mexico's total water delivery, includes Treaty requirements in accordance with their scheduled diversions, does not include water bypassed pursuant to Minute No. 242 of the IBWC.

⁹ In accordance with Minute No. 319, a 3 percent reduction for evaporation shall be applied annually on December 31 of any year in which the volumes of water referred to in Mexico's Deferred Delivery or any portion thereof have not yet been delivered.

¹⁰ The cumulative volume of Mexico's deferred delivery includes water deferred during the reporting year and the prior year EOY balance of deferred delivery, less the annual evaporation loss assessment.

**RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V (E) OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

		CALENDAR YEAR 2012													
		05/15/13	(Values in acre-feet)												
WATER USER			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION		0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE		0	0	0	0	0	0	0	0	0	0	0	0	0

**INFORMATION SUPPLEMENTAL TO THE REQUIREMENTS
OF THE CONSOLIDATED DECREE OF THE UNITED STATES
SUPREME COURT IN *ARIZONA V. CALIFORNIA*, 547 U.S. 150 (2006)**

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). The information, tabulated here, provides a more extensive record of activities relating to federal management of the Colorado River. In concise reports specific to various agreements, policy, rules, or Records of Decision, this information is intended to help the reader correlate the records found in the Article V portion of this report with the various conservation, transfer and exchange agreements. The final section contains documents significant to the actions taken by Reclamation, the Lower Division States, and the water user agencies during 2012.

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

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

On December 18, 2002, Reclamation, on behalf of the Secretary of the Interior (Secretary), entered into a Storage and Interstate Release Agreement (SIRA) with the Southern Nevada Water Authority (SNWA), the Colorado River Commission of Nevada (CRCN), and the Arizona Water Banking Authority (AWBA). On October 27, 2004, Reclamation, on behalf of the Secretary, entered into a SIRA with the Metropolitan Water District of Southern California (MWD), SNWA, and CRCN. These SIRAs provide structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree in *Arizona v. California*, 547 U.S.150 (2006) (Consolidated Decree), for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate water banking program.

In 2001, AWBA, SNWA, and CRCN executed an Agreement for Interstate Water Banking, amended January 1, 2005 and April 1, 2009, that specifies the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off-stream storage of Colorado River water in Arizona and the establishment of Long-Term Storage Credits (LTSC) for the benefit of SNWA.

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

Reclamation accounts for Colorado River water diverted for storage in Arizona by AWBA, through CAWCD, as a consumptive use in Arizona in

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

In 2004, MWD, SNWA, and CRCN, executed an Operational Agreement, amended August 2009 and October 2012, that provides additional terms and conditions, consistent with the SIRA, under which MWD agreed to store Nevada unused basic apportionment pursuant to Article II (B) (6) of the Consolidated Decree. When SNWA calls for this stored water MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

CAWCD stored Colorado River water underground in Arizona under a demonstration in the early 1990s. CAWCD developed Interstate Underground Storage (IUS) credits. CAWCD assigned IUS credits to SNWA and MWD under the 1992 agreement, as amended between MWD and CAWCD. IUS credits assigned to SNWA were incorporated into the subsequent AWBA, SNWA, CRCN Interstate Water Banking Agreement. MWD consumed its remaining IUS credits in calendar year 2010.

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

INTERSTATE WATER BANKING
COLORADO RIVER WATER STORED IN ONE STATE UNDER 43 CFR PART 414
FOR THE BENEFIT OF SPECIFIC ENTITIES IN ANOTHER STATE
CALENDAR YEAR 2012

05/15/13		(Values are in acre-feet)													
		Beginning Balance	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
NEVADA	Verified 2011 EOY ALTSC ¹	600,651													
Water diverted and stored in Arizona for the benefit of SNWA.	Accrued LTSC in 2012 ²		0	0	0	0	0	0	0	0	0	0	0	0	0
	Verified LTSC in 2012 ³		0	0	0	0	0	0	0	0	0	0	0	0	0
	ICUA Developed in 2012 ⁴		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵		600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651	600,651
Water diverted and stored by MWD for the benefit of SNWA.	Verified 2011 EOY ALTSC ^{1,6}	70,000													
	Diverted in 2012 ⁶		0	0	0	0	0	0	0	0	23,316	13,031	12,542	13,950	62,839
	Verified LTSC in 2012 ⁶		0	0	0	0	0	0	0	0	15,544	8,687	8,361	9,300	41,892
	ICUA Developed in 2012 ^{4,6}		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁶		70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000	85,544	94,231	102,592	111,892	111,892
AMOUNT OF WATER STORED FOR THE BENEFIT OF SNWA - CURRENT YEAR			0	0	0	0	0	0	0	0	15,544	8,687	8,361	9,300	41,892
CUMULATIVE BALANCE OF WATER STORED FOR SNWA WITHIN AZ AND CA ⁷			670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	686,195	694,882	703,243	712,543	712,543
STATES TOTAL	Verified 2011 EOY ALTSC ¹	670,651													
Water stored in AZ & CA for the benefit of SNWA.	Accrued LTSC in 2012 ²		0	0	0	0	0	0	0	0	23,316	13,031	12,542	13,950	62,839
	Verified LTSC in 2012 ³		0	0	0	0	0	0	0	0	15,544	8,687	8,361	9,300	41,892
	ICUA Developed in 2012 ⁴		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total ALTSC ⁵		670,651	670,651	670,651	670,651	670,651	670,651	670,651	670,651	686,195	694,882	703,243	712,543	712,543

Footnotes:

¹ ALTSC's verified by the banking entity before the beginning of the reporting year and available for recovery by a specific entity with a valid SIRA. Requested ICUA cannot exceed verified LTSC.

² Provisional LTSC accrued during the reporting year for the benefit of a specific consuming entity in Nevada with a valid SIRA. Provisional LTSC represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSC have not been verified by AWBA or MWD and are not eligible for certification and recovery. Accruals of LTSC in Arizona for the benefit of consuming entities in Nevada and California are limited to 200,000 af annually.

³ In 2012, AWBA did not store any Colorado River water in Arizona for SNWA or for MWD. Displayed values are provisional upon verification by AWBA and or MWD and represent water that may be available for recovery for SNWA.

⁴ ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have certified this amount to be available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSC are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. Total recovery of ALTSC from AWBA cannot exceed 100,000 af annually, due to a limitation defined under Arizona state law. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release. Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available.

⁵ ALTSC's are the cumulative monthly sum of verified, or estimated LTSC.

⁶ In 2004, MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, California will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by California. In October 2012, CRCN, MWD, and SNWA executed the Second Amended Operational Agreement which addresses storage during the years 2012 through 2016. Water stored by MWD for the benefit of SNWA during this period is charged with a one-time storage loss equal to one-third of the total amount of water delivered to MWD for storage.

⁷ This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSC placed into storage during the reporting year.

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

For various reasons, a user may inadvertently divert, pump or receive Colorado River water in an amount that exceeds that to which the user is entitled to for that year (inadvertent overrun). A user incurring an inadvertent overrun is required to pay back such overrun in accordance with the Inadvertent Overrun and Payback Policy (IOPP).

The Colorado River Water Delivery Agreement (CRWDA), authorizing the IOPP, was signed October 10, 2003, by the Secretary of the Interior. The IOPP became effective January 1, 2004, and it applies to inadvertent overruns of Colorado River water within the Lower Division States occurring after that date. The policy is set forth in 69 *Federal Register* 12201 (2004). The policy defines inadvertent overruns, establishes procedures to account for the inadvertent overruns, and sets forth the requirements for payback to the Colorado River system.

The following tabulation displays information associated with inadvertent overruns and paybacks, as applicable, for each individual water user, including: the amount of overrun incurred in the reporting year; the beginning of year overrun account balance from overruns incurred in previous years; the amount of validated paybacks made to the Colorado River system in the reporting year; and the remaining overrun balance in each user's inadvertent overrun account as of the end of the reporting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
STATE OF ARIZONA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

COCOPAH			(values are in acre feet)		
PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
Cocopah Indian Reservation	IOPP Overruns by Water User	Calendar Year Diversion ^{2,3}	8,729	10,886	11,518
		Calendar Year Overrun - Diversion ⁴	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion ⁵	605		
		Validated Calendar Year Paybacks - Diversion ⁶	0		
		EOY Overrun Account Balance - Diversion ⁷	605		
		Account Balance as Percent of Entitlement	5.3%		
Beattie Farms Southwest (Russell Youmans)	IOPP Overruns by Water User	Calendar Year Diversion ²	1,345	1,110	1,110
		Calendar Year Overrun - Diversion ⁴	235		
		Calendar Year Overrun - Consumptive Use	174		
		BOY Overrun Account Balance - Diversion ⁵	453		
		Validated Calendar Year Paybacks -Diversion ⁶	0		
		EOY Overrun Account Balance - Diverison ⁷	688		
		Account Balance as Percent of Entitlement	62.0%		

Footnotes:

¹ This section contains tabulations of overruns, paybacks, and overrun balances in accordance with the Inadvertent Overrun and Payback Policy.

² The water user's actual diversion or consumptive use as tabulated in the Article V(B) section of this report.

³ For accounting purposes the Cocopah Indian Reservation entitlement amount is calculated by combining the Cocopah Tribe's (Tribe) entitlement for use on Trust lands (10,847 af) and the Tribe's estimated entitlement for use on Fee lands in PPR No. 7 (671 af). The Tribe's entitlement for use on Fee lands is an estimated amount based on an acreage-prorated share of the total entitlement under PPR No.7. The amount of this entitlement is currently under review.

⁴ The amount of overrun incurred during the reporting year.

⁵ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

⁶ Paybacks to the Colorado River system made during the reporting year.

⁷ The remainder of the IOPP overrun account balance as of the end of the reporting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
STATE OF CALIFORNIA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
IOPP Overruns by Individual Water Users					
IMPERIAL IRRIGATION DISTRICT (Based on consumptive use entitlement)	IOPP Overruns by Water User	Calendar Year Consumptive Use ²	2,903,216	2,754,841	3,100,000
		Calendar Year Overrun - Consumptive Use ³	148,375		
		Current Year Conservation Applied to Overrun ⁶	(14,299)		
		Net Calendar Year Overrun - Consumptive Use	134,076		
		BOY Overrun Account Balance -Consumptive Use ⁴	82,662		
		Validated Calendar Year Paybacks - Consumptive Use ⁵	(6,290)		
		EOY Overrun Account Balance - Consumptive Use ⁷	210,448		
		Account Balance as Percent of Entitlement	6.8%		
FORT MOJAVE INDIAN RESERVATION	IOPP Overruns by Water User	Calendar Year Diversion ²	15,839	16,720	16,720
		Calendar Year Overrun - Diversion ³	0		
		Calendar Year Overrun - Consumptive Use	0		
		BOY Overrun Account Balance - Diversion ⁴	155		
		Validated Calendar Year Paybacks - Diversion ⁵	0		
		EOY Overrun Account Balance - Diversion ⁷	155		
		Account Balance as Percent of Entitlement	0.9%		

Footnotes:

¹ This section contains tabulations of overruns, paybacks, and overrun balances in accordance with the Inadvertent Overrun and Payback Policy.

² The water user's actual diversion or consumptive use as tabulated in the Article V(B) section of this report.

³ The amount of overrun incurred during the reporting year.

⁴ The IOPP overrun account balance from the previous year, providing the user had a carry over balance.

⁵ Paybacks to the Colorado River system made during the reporting year. With respect to IID, the 6,290 af amount is comprised of the application of existing ICS credits (5,842 af) and forbearance of Colorado River water (448 af), through recovery of an equivalent amount of groundwater previously stored under an IID/CVWD groundwater storage program. The 6,290 af was applied as early payback toward IID's 2011 IOPP overrun.

⁶ In 2012, IID conserved a total of 157,203 af through its Main Canal Seepage Interception System projects and its Following program. Of this amount, 142,904 af of conservation was used to meet transfer obligations as referenced in the CRWDA, Exhibit B, Columns 5, 7, and 8. The remaining 14,299 af of conserved water was applied to reduce IID's 2012 overrun.

⁷ The remainder of the IOPP overrun account balance as of the end of the reporting year.

OVERRUNS, PAYBACKS, AND OVERRUN ACCOUNT BALANCE ¹
STATE OF NEVADA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PARTICIPATING ENTITY	ACTION	SPECIFICS	TOTAL	APPROVAL	ENTITLEMENT
----------------------	--------	-----------	-------	----------	-------------

IOPP Overruns by Individual Water Users

Footnotes:

¹ This section contains tabulations of overruns, paybacks, and overrun balances in accordance with the Inadvertent Overrun and Payback Policy.

SUMMARY OF WATER AVAILABILITY AND USE BY ARIZONA, CALIFORNIA, AND NEVADA

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree of the United States Supreme Court in *Arizona v. California*, 547 U.S. 150 (2006). Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and, in accordance with Article II(B)6, may release water to a state which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies are the interstate storage and release agreements, the Inadvertent Overrun and Payback Policy (IOPP), and Intentionally Created Surplus.

The following tabulation displays the amount of Colorado River water made available to each Lower Division state under Article II of the Decree, the payback obligations by users within the state in accordance with IOPP, creation or delivery of ICS, and the total consumptive use within a state. The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division state in 2012.

APPORTIONMENTS, ARTICLE II(B)(6) RELEASES, PAYBACKS, AND TOTAL CONSUMPTIVE USE BY STATE ¹
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

STATE	ADJUSTMENTS	ACTUAL USE
ARIZONA	Basic Apportionment ²	2,800,000
	NV II(B)(6) Released to AZ for Storage for NV ³	0
	IOPP Paybacks ⁴	0
	Total Available Colorado River Water ⁵	2,800,000
	Total Consumptive Use ⁶	2,789,667
	State Underrun or (Overrun) ⁷	10,507
	Overruns by Individual AZ Users	(174)
	Net State Underrun or (Overrun)	10,333
CALIFORNIA	Basic Apportionment ²	4,400,000
	NV II(B)(6) Released to CA for Storage for NV ³	62,839
	ICS Delivery	0
	ICS Creation (MWD)	(179,677)
	IOPP Paybacks (IID early payback) ⁴	(448)
	Total Available Colorado River Water ⁵	4,282,714
	Total Consumptive Use ⁶	4,416,718
	State Underrun or (Overrun) ⁷	(134,004)
	Overruns within California	134,076
	Under delivery to the Salton Sea for Mitigation Purposes ⁸	(72)
	Net State Underrun or (Overrun)	0
NEVADA	Basic Apportionment ²	300,000
	ICS Delivery	1,000
	Total Available Colorado River Water ⁵	301,000
	Total Consumptive Use ⁶	237,161
	NV II(B)(6) Released for Storage by CA ³	62,839
	Net State Underrun or (Overrun) ⁷	1,000

Footnotes:

¹ This section tabulates increases or reductions to the amount of water available to a state. It also calculates an adjusted state limitation and compares that amount to the consumptive uses within the state. Adjustments may include: releases to or from another state under Article II(B)(6) of the Consolidated Decree in Arizona v. California, payback obligations of individual water users, and creation and/or delivery of ICS.

² The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.

³ Nevada unused apportionment made available to Arizona and/or California by the Secretary under Article II(B)(6) of the Consolidated Decree for storage in Arizona and/or California under the appropriate SIRA.

⁴ The reduction in the amount of water available to the state due to repayment obligations under the IOPP.

⁵ The total amount of Colorado River water available for use by the state in the reporting year.

⁶ The total consumptive use of Colorado River water within the state as tabulated in the Article V(B) section of this report.

⁷ The difference between the Colorado River water available to the state and the state's actual consumptive use.

⁸ In 2012, IID conserved 15,182 af of Colorado River water for Salton Sea mitigation purposes, but due to measurement imprecision and operational/infrastructure limitations, delivered 15,110 af to the Salton Sea, resulting in a 72 af under-delivery. In 2013, IID will increase deliveries to the Salton Sea by 72 af.

LOWER COLORADO WATER SUPPLY PROJECT

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

The Act authorizes construction of wells with a total annual capacity of 10,000 acre-feet. Currently, Stage I of the LCWSP has been completed and consists of two wells. The well field began operation on August 1, 2003. The wells are located south of the All-American Canal (AAC) in Imperial County. Ground water from the wells is withdrawn and discharged into the AAC and used by the Imperial Irrigation District (IID). IID will then forebear the use of an equal amount of water from the Colorado River. Through a contract with Reclamation, IID is responsible for the operation and maintenance of the well field.

Reclamation entered into a contract to supply LCWSP water to the City of Needles (City) in annual amounts up to 3,500 acre-feet of the initial 5,000 acre-feet available. The contract with the City establishes a framework for the City to enter into

sub-contracts for delivery of LCWSP water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) recommends whether a non-Federal applicant should be offered a subcontract for a LCWSP water supply and notifies Reclamation. Reclamation reviews the information submitted by CRBC and refers the approved applicants to the City which then offers subcontracts.

In September 1998, the Bureau of Land Management (BLM) was allocated 1,150 acre feet of Stage I capacity for consumptive use on BLM-administered lands in California located adjacent to the Colorado River. In December 2004, a Reclamation determination reserved an additional 350 acre-feet of Stage I capacity in the LCWSP for use by Reclamation in California at Federal facilities on land adjacent the Colorado River. With the determination, the estimated 5,000 acre-feet per year of Stage I capacity was completely allocated.

The Act, as amended in 2005, authorizes the Secretary of the Interior to contract for the use of LCWSP water under terms that the Secretary determines will benefit the interest of LCWSP users along the Colorado River. On March 26, 2007, Reclamation entered into a contract with the City and the Metropolitan Water District of Southern California (MWD), allowing Stage I of the LCWSP to be pumped at capacity, without jeopardizing the LCWSP, allowing MWD to receive as much unused water as available. Certain monies received from MWD are being deposited in a Water Quality Maintenance Trust Fund to provide for the long-term viability of the LCWSP or its replacement.

LOWER COLORADO WATER SUPPLY PROJECT
SUMMARY OF USES OFFSET BY PUMPAGE FROM THE LOWER COLORADO WATER SUPPLY PROJECT WELLFIELD
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

		TOTALS
LCWSP WELLFIELD PUMPAGE ¹		4,616
FEDERAL LCWSP CONTRACTORS ²		
BLM	Consumptive Use	301
RECLAMATION - Parker Dam and Government Camp	Consumptive Use	107
	Total Federal Contractors Consumptive Use	408
NON-FEDERAL LCWSP CONTRACTORS ³		
City of Needles	Consumptive Use	662
Needles's Subcontractors		
Havasu Water Company of California	Consumptive Use	36
Vista del Lago Resort	Consumptive Use	10
Pacific Gas & Electric Company	Consumptive Use	1
Southern California Gas Company	Consumptive Use	68
Needles Other Subcontractors	Consumptive Use	178
	Needles and Subcontractors Consumptive Use	955
LCWSP Water Available to MWD ⁴		3,253
	Total Non-Federal Contractors Consumptive Use	4,208

Footnotes:

¹ Non-Colorado River water pumped from the LCWSP wellfield and delivered to IID for its use via the AAC. IID forbears the consumptive use of this amount from the Colorado River to make water available for exchange to the LCWSP beneficiaries.

² Total LCWSP Federal contractors consumptive use. Colorado River water used was exchanged for LCWSP water.

³ Total LCWSP Non-Federal consumptive use by the City of Needles and its subcontractors. Colorado River water used was exchanged for LCWSP water.

⁴ Total amount of water pumped from the wellfield less consumptive use of LCWSP water by Federal and Non-Federal LCWSP contractors.

CONSERVATION, TRANSFER, AND EXCHANGES FOR THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

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

The Lower Colorado Water Supply Project (LCWSP) implements a 1986 statute which authorizes the exchange of non-Colorado River water for Colorado River water within the State of California. Water accounting information relating to the LCWSP appears in the previous section of this report.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, the Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

The California agencies entered into a series of supplemental agreements, including the Quantification Settlement Agreement, that collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data relating to these California events are depicted here. There were no transfers or exchanges of Colorado River water reported within Arizona or Nevada during calendar year 2012.

Description of Included Tables

The table titled “Comparison of Net California Agricultural Use” demonstrates the impact of conservation and transfers on agricultural water use in California in the reporting year and compares the California agricultural use to the applicable Benchmark or Target. The table titled “Transfers, Exchanges and Water Made Available by Extraordinary Conservation” tabulates agreements in California existing outside of the CRWDA or in amounts that differ from the amounts tabulated in Exhibit B of the CRWDA. The table titled Exhibit B is reproduced from the CRWDA for convenient reference.

COMPARISON OF NET CALIFORNIA AGRICULTURAL USE ¹
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

California Agricultural Entity	Consumptive Uses
Palo Verde Irrigation District	362,223
Yuma Project Reservation Division	48,471
Yuma Island Pumps ²	4,977
Priorities 1, 2, 3b	415,671
CVWD	329,576
IID ³	2,903,216
Total California Agricultural Use	3,648,463
MWD Reduction for Priority 1, 2, and 3b use ⁴	0
Overruns (IID)	(134,076)
Paybacks (IID)	448
MWD-CVWD Exchange	0
ICS Creation (IID)	0
ICS Delivery (IID)	0
IID and CVWD reductions for PPRs	14,500
Use by California Agriculture+MWD Adjustment+Agricultural paybacks+IID/CVWD covered PPRs	3,529,335
Annual Agricultural Benchmark or Target Comparison	
2012 Agricultural Benchmark ⁵	3,470,000
Use by California Agriculture+MWD Adjustment+Agricultural paybacks+IID/CVWD covered PPRs	3,529,335
Total Benchmark Overrun or (Underrun)	59,335
Priority 1, 2, and 3b use below/above 420,000 af	
Palo Verde Irrigation District	362,223
Yuma Project Reservation Division	48,471
Yuma Island Pumps ²	4,977
Total Priority 1, 2, 3b Use	415,671
MWD reduction for Priority 1, 2, and 3b water use ⁶	0
Priority 1, 2, and 3b water delivered to MWD ⁷	4,329

Footnotes:

¹ Sections XI.A., B., E., F., and G., of the 2007 Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead contain the adopted Interim Guidelines. Section XI.G.5 of the Interim Guidelines contains benchmarks for aggregate California agricultural water use during each third year from 2003 through 2012. Exhibit B (attached) to the CRWDA, Column 22 references these Interim Guidelines benchmarks, and Column 23 references annual targets for aggregate agricultural water use for the years between the benchmarks. Footnotes 2 and 12 of Exhibit B define annual targets and benchmark year aggregate agricultural use totals as "All-consumptive use of Priorities 1 through 3 plus 14,500 af of PPR use, minus any MWD adjustment for Priority 1 through 3 use above 420,000 af."

² Incorporation of Yuma Island Pumps' use within Priority 2 does not represent either a final approval of this use by Reclamation or a final determination of the appropriate Consolidated Decree accounting for this use; nor is it an admission by any Colorado River contractor as to the legality of this use or diversion of Colorado River water.

³ IID's use includes the overrun shown in the IOPP section of this report.

⁴ MWD's reductions for Priorities 1, 2, and 3b count toward meeting the ISG annual target.

⁵ See Exhibit B of the CRWDA.

⁶ Per Section 4.d of the CRWDA, MWD use is reduced by the sum of Priority 1, 2, and 3b use greater than 420,000 af.

⁷ Per Section 4.d of the CRWDA, the sum of Priority 1, 2, and 3b use that's less than 420,000 af is delivered to MWD.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
STATE OF ARIZONA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

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

No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
STATE OF CALIFORNIA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

PROGRAM OR PARTICIPATING AGENCIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
IID CONSERVATION - 1988 IID/MWD CONSERVATION AGREEMENT ¹													104,140
IID CONSERVATION - MWD REDUCTION FOR CVWD USE ²													10,463
IID CONSERVATION - TRANSFER TO SDCWA ³													106,722
IID CONSERVATION - SDCWA MITIGATION TRANSFER ⁴													15,182
IID CONSERVATION - IID INTRA-PRIORITY 3 TRANSFER TO CVWD ⁵													21,000
COACHELLA GROUNDWATER STORAGE RETURN REQUEST BY IID													448
MWD/PVID FORBEARANCE AND FALLOWING PROGRAM ⁶													73,662
ALL-AMERICAN CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁷													56,200
ALL -AMERICAN CANAL LINING PROJECT - SUPPLEMENTAL - TO MWD ⁷													11,500
ALL-AMERICAN CANAL LINING PROJECT - TOTAL CONSERVATION ⁷													67,700
COACHELLA CANAL LINING PROJECT - SDCWA EXCHANGE WITH MWD ⁸													23,939
COACHELLA CANAL LINING PROJECT - SUPPLEMENTAL - TO MWD ⁸													4,500
COACHELLA CANAL LINING PROJECT - MITIGATION ⁸													2,411
COACHELLA CANAL LINING PROJECT - TOTAL CONSERVATION ⁸													30,850
TOTAL MWD EXCHANGE WITH SDCWA ⁹													186,861

Note: The remaining transfers and water exchanges tabulated in exhibits of the CRWDA may be found in the Exhibit B table presented at the end of this section of this report. Reclamation recognizes the CRWDA allows each party to make water available or to divert water made available based upon their own schedule.

Footnotes:

¹ 1988 IID/MWD Water Conservation Program conserved water, determined in accordance with the amended 1988 Program Agreement and the amended 1989 Approval Agreement made available by IID for diversion in the reporting year by MWD, reported as an annual total. In 2012, the amount of water conserved by Project 18 was 2,640 af as documented in the January 10, 2012, letter from the Chairman of the Program Coordinating Committee to IID. This letter can be viewed on Reclamation's website at [www.http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf](http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf) under the bookmark entitled, *Documents and Letters Significant to the Delivery of and Accounting for the use of Colorado River Water in CY 2012*.

² In accordance with the amended 1989 Approval Agreement, CVWD may request up to 20,000 af of the water conserved by IID for MWD as a result of the IID/MWD Water Conservation Program. MWD is required to reduce up to 20,000 af of water for use by CVWD.

³ As referenced in Column 5, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA. The CRWDA, Exhibit B, provides for a 90,000 af transfer from IID to SDCWA in 2012. This transfer was made in 2012. The CRWDA, Exhibit B, provides for an 80,000 af transfer from IID to SDCWA in 2011. In 2011, IID informed Reclamation that, in 2011, IID entered into following contracts for 80,000 af to be conserved partly in 2011 and partly in 2012, to support the transfer of 80,000 af from IID to SDCWA in 2011. In 2011, IID conserved 63,278 af under the following contracts to support the IID-SDCWA transfer. In 2012, IID conserved 16,722 af of water under the 2011/2012 following contracts to support the balance of the 80,000 af IID-SDCWA transfer obligation for 2011. The 106,722 af reported above reflects the total of the 90,000 af conserved in 2012 in support of the 2012 transfer and the additional 16,722 af conserved in 2012 in support of the 2011 transfer obligation.

⁴ As referenced in Column 7, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA for delivery, by exchange, to the Salton Sea for mitigation purposes. As reported above, IID conserved 15,182 af of water through fallowing in 2012 for mitigation purposes. In 2010, IID delivered 46,546 af of Colorado River water to the Salton Sea with a stated intention to store the water for use for Salton Sea mitigation requirements in 2011 and half of 2012. IID did not conserve an equivalent amount of water in 2011 and 2012 for delivery to the Salton Sea resulting in a Colorado River system storage depletion of 46,546 af. The 2010 delivery to the Salton Sea is the subject of a 2012 exchange of letters by the General Manager of IID (letter dated November 7, 2012) and Reclamation's Commissioner (letter dated November 13, 2012), as well as a letter dated May 3, 2013, from Reclamation's Lower Colorado Regional Director. These letters can be viewed on Reclamation's website at [www.http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf](http://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2012/2012.pdf), under the bookmark entitled, *Documents and Letters Significant to the Delivery of and Accounting for the use of Colorado River Water in CY 2012*.

⁵ IID conserves water under an acquisition agreement with CVWD to meet the IID/CVWD Intra-priority 3 Transfer obligation as referenced in Column 8, Exhibit B of the CRWDA.

⁶ PVID's annual reduction in consumptive use of Colorado River water through land fallowing. This value is recorded in Table 8 of a jointly produced report compiled by Reclamation, PVID, and MWD entitled "Calendar Year 2012 Fallowed Land Verification Report." This value represents the estimated reduction in PVID's consumptive use as a result of fallowing an average of 23,488 acres in January; 21,703 acres in February; 20,762 acres in March; 20,421 acres in April through June; 13,457 acres in July; and 6,493 acres in August through December 2012.

⁷ The amount shown, represents water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined All-American Canal. The Secretarial Determination of water conserved by lining certain reaches of the project was issued in December 2009 (see Significant Documents). As a result, conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003 and Public Law 100-675, as amended.

⁸ The amount shown, represents water conserved through the construction of a new concrete lined canal parallel to a portion of the unlined Coachella Canal. The Secretarial Determination of water conserved by the project was issued in January 2008. As a result, conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003, Public Law 100-675, as amended, and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

⁹ The amount shown represents water exchanged between MWD and SDCWA in 2012. This is the sum of: IID Conservation for SDCWA (106,722 af), All-American Canal Lining Project (56,200 af), and the Coachella Canal Lining Project (23,939 af).

TRANSFERS, EXCHANGES AND WATER MADE AVAILABLE BY EXTRAORDINARY CONSERVATION
STATE OF NEVADA
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

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

No transfers were reported to Reclamation during this calendar year

Footnotes:

No footnotes for this calendar year.

WATER MADE AVAILABLE BY CONSERVATION
BUREAU OF RECLAMATION
CALENDAR YEAR 2012

05/15/13	(Values are in acre-feet)												
TRANSFER PROGRAM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ARIZONA GROUND WATER PERMIT ¹	0	0	0	0	0	0	0	0	0	0	0	0	0
WARREN H. BROCK RESERVOIR STORAGE ²	11,627	9,515	11,375	10,175	15,438	2,763	13,166	14,478	13,754	12,068	8,347	246	122,952
YUMA DESALTING PLANT DISCHARGE TO THE COLORADO RIVER ³	18	18	19	17	15	18	20	0	8	12	17	20	182

Footnotes:

¹ In 2007, Reclamation was granted a permit to withdraw Arizona ground-water for return credits to offset bypass flows to Mexico. The values shown represent the return flow credits earned in accordance with the permit in the year covered by this report.

² Colorado River water stored in Warren H. Brock Reservoir. The difference between the value shown here and the amount shown in the California Article V(B) section, IID tabulation, "Delivery From Warren H. Brock Reservoir", consists of changes in reservoir storage and losses from the reservoir.

³ Water created by operation of the Yuma Desalting Plant and discharged to the Colorado River.

EXHIBIT B
QUANTIFICATION AND TRANSFERS¹
In Thousands of Acre-feet

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

1 Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.

2 Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.

3 IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.

4 Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.

5 Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.

6 Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.

7 MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.

8 IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.

9 Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.

10 For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control; (ii) the amounts of conserved water as determined, where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.

11 For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control; and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).

12 All-consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.

13 Assumes SDCWA does not elect termination in year 35.

14 Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:

Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

The shaded columns represent amounts of water that may vary.

INTENTIONALLY CREATED SURPLUS

On December 13, 2007, the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (Interim Guidelines) was signed. Section 3, pages 38-43 of the Interim Guidelines contains the policies and guidelines concerning the categories of, creation, delivery, and accounting for Intentionally Created Surplus (ICS).

Prior to the signing of the Interim Guidelines, Reclamation had in 2006, entered into letter agreements with the Imperial Irrigation District and the Metropolitan Water District of Southern California to implement a demonstration program for the development of ICS. "ICS Water" in this program referred to a quantity of surplus water that the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree of the Supreme Court of the United States in *Arizona v. California*, 547 U.S. 150 (2006) (Consolidated Decree) as ICS. The demonstration program covered the creation of ICS Water during calendar years 2006 and 2007, and required the creation of ICS Water through extraordinary conservation. Beginning in 2008, the creation and use of ICS is governed by the Interim Guidelines.

Under the Interim Guidelines four types of ICS may be created by an approved contractor: Extraordinary Conservation ICS, Tributary Conservation ICS, System

Efficiency ICS, and Imported ICS. Also stipulated in the Interim Guidelines are the limits as to how much ICS of each type may be created each year and in total, as well as how much ICS may be delivered by the Secretary each year. The following conditions apply to ICS:

- 1) During the year of creation, and with the exception of System Efficiency ICS, five percent of the ICS created will be dedicated to system storage to provide a collective storage benefit for Colorado River users,
- 2) An annual evaporation loss of three percent will be applied to remaining ICS beginning the year after its creation,
- 3) Under flood control releases ICS will be the first released, and
- 4) In accordance with Section 3.C.7 of the Interim Guidelines for the Coordinated Operations of Lake Powell and Lake Mead, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS.

The Secretary is responsible for approving plans for the creation of ICS, allowing for their modification, and developing procedures to account for and verify ICS creation and delivery.

The Interim Guidelines can be found in the Significant Documents section of the report.

INTENTIONALLY CREATED SURPLUS
BY STATE, USER, AND TYPE OF ICS
CALENDAR YEAR 2012

05/15/13

(Values are in acre-feet)

State	User	ICS Type	2012 BOY Balance	Creation ¹	System Assessment ²	IOPP Payback ³	Delivery	Evaporation Loss ⁴	2012 EOY Balance ⁵
ARIZONA	CAWCD	System Efficiency - Warren H. Brock ⁶	100,000	0	N/A	0	0	N/A	100,000
	CAWCD	System Efficiency - YDP Pilot Run ⁷	3,050	0	N/A	0	0	N/A	3,050
CALIFORNIA	MWD	Extraordinary Conservation ⁸	328,553	179,677	8,984	0	0	9,857	489,389
	MWD	System Efficiency - Warren H. Brock ⁶	66,000	0	N/A	0	0	N/A	66,000
	MWD	System Efficiency - YDP Pilot Run ⁷	24,397	0	N/A	0	0	N/A	24,397
	IID	Extraordinary Conservation	5,842	0	0	5,842	0	0	0
	SNWA	Extraordinary Conservation converted from Tributary Conservation / Imported ⁹	79,548	0	0	0	0	2,386	77,162
NEVADA	SNWA	Tributary Conservation	N/A	31,442	1,572	0	0	N/A	29,870
	SNWA	Imported - Coyote Spring Valley	N/A	3,918	196	0	1,000	N/A	2,722
	SNWA	System Efficiency - Warren H. Brock ⁶	400,000	0	N/A	0	0	N/A	400,000
	SNWA	System Efficiency - YDP Pilot Run ⁷	3,050	0	N/A	0	0	N/A	3,050
Total ICS stored in Lake Mead: EOY 2012									1,195,640

Footnotes:

¹ The amount of ICS created by the contractor during the reporting year. Unless otherwise noted, all current year values displayed in this column are provisional until verified by Reclamation.

² In accordance with Section 3.B.2. of the Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operation for Lake Powell and Lake Mead (Interim Guidelines), there shall be a one-time deduction of 5 percent from the amount of ICS in the year of creation. This system assessment shall result in additional system water in storage in Lake Mead.

³ In accordance with Section 3.C.7 of the Interim Guidelines, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. If a contractor requests to use its ICS credits to pay back an overrun, the contractor's ICS account(s) shall be reduced by the amount of the payback prior to calculating the evaporation loss and the remaining ICS credits available to the contractor.

⁴ In accordance with Section 3.B.7 of the Interim Guidelines, a 3 percent evaporation loss shall be applied annually to the EOY balance of Extraordinary Conservation ICS beginning in the Year after the ICS is created and continuing until no Extraordinary Conservation ICS remains in Lake Mead.

⁵ The EOY balance of ICS including creation, reductions, and delivery taking place in the reporting year.

⁶ The Warren H. Brock Reservoir became operational in 2010. Per the funding agreement of December 13, 2007, in 2010 CAWCD and MWD each received 100,000 af of System Efficiency (SE) ICS credits, and SNWA received 400,000 af of SE ICS credits.

⁷ A Pilot Run of the YDP conducted between May 2010 and March 2011 conserved 30,496 af of water. Per the funding agreement of October 29, 2009, CAWCD, MWD, and SNWA received SE ICS credits in proportion to the water conserved by the YDP and their respective capital contributions.

⁸ As referenced in Column 5, Exhibit B, of the CRWDA, IID conserves water for transfer to SDCWA. The CRWDA, Exhibit B, provided for an 80,000 af transfer from IID to SDCWA in 2011. In 2011, IID conserved 63,278 af to support the IID-SDCWA transfer and, in 2011, entered into following contracts to conserve the remaining 16,722 af in 2012. In the Colorado River Water Accounting and Use Report for 2011, Reclamation credited MWD with an Extraordinary Conservation (EC) ICS creation amount based on an assumed 2011 delivery of 80,000 af of conserved water, noting that the appropriate accounting for the 2011 IID-SDCWA transfer was under review by Reclamation. Reclamation's review is complete and this 2012 report reflects a transfer of 63,278 af from IID to SDCWA in 2011. As a result, MWD's 2011 EC ICS creation amount of 185,705 af was adjusted downward by 16,722 af. After applying the 5 percent reduction for system assessment, the resulting 2011 EC ICS EOY Balance has been revised from 344,439 af to 328,553 af, shown as the 2012 BOY Balance above.

⁹ The verified amounts of Tributary Conservation ICS and Imported ICS created by SNWA in 2011 are 29,854 af and 3,857 af, respectively. After applying the 5 percent reduction for system assessment, the 2011 EOY Tributary Conservation ICS balance is 28,361 af; the 2011 EOY Imported ICS balance is 3,664 af. In accordance with Section 3.A.2 of the Interim Guidelines, these amounts, totaling 32,025 af, were converted to Extraordinary Conservation ICS at the beginning of 2012.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012

The table below includes agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2012. In prior years, electronic copies of these documents were included on a CD enclosed with the report. Beginning with this 2012 report, these documents are available only on Reclamation's website at: www.usbr.gov/lc/region/g4000/wtracct.html. Acronyms used below are defined on page 1, "Acronyms and Abbreviated Terms", of this report.

RECORD OF DECISIONS	
1.	The Record of Decision for Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead dated December 13, 2007. This document provides the frame work used by the Secretary of the Interior for shortage, coordinated operation of Lake Powell and Lake Mead, and to encourage conservation, plan for shortages, implement closer coordination of operations of Lake Powell and Lake Mead, preserve flexibility to deal with further challenges
2.	The Record of Decision for the Colorado River Water Delivery Agreement: Implementation Agreement, Inadvertent Overrun and Payback Policy, and Related Federal Actions Final Environmental Impact Statement. The Water Delivery Agreement provides certainty regarding water entitlements that are necessary for continued effective implementation of the Secretary's responsibilities as Water Master on the lower Colorado River.

REPORTS	
3.	2012 Annual Operating Plan Executive Summary that outlines the criteria under which the Colorado River was operated during CY 2012 considering current and anticipated hydrologic conditions.

INTERIM DETERMINATIONS	
4.	The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the Coachella Canal Lining Project, dated January 31, 2008.
5.	The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result the All-American Canal Lining Project, dated December 4, 2009.

AGREEMENTS	
6.	Second Amended Operational Agreement among MWD, CRCN, and SNWA signed October 24, 2012. On October 21, 2004, MWD, CRCN, and SNWA entered into an Operational Agreement that provides additional terms and conditions, consistent with the SIRA, governing operational and financial matters relating to the Storage of Colorado River water and the creation of ICUA. The Second Amended Operational Agreement amends the October 2004 Operational Agreement and addresses, among other things, the storage of ICUA for 2012-2016.

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

INTENTIONALLY CREATED SURPLUS	
7.	MWD's Extraordinary Conservation ICS Certification Report for calendar year 2011 dated October 15, 2012.
8.	Reclamation's letter dated May 14, 2013, verifying MWD's ICS creation for calendar year 2011.
9.	SNWA's Tributary Conservation ICS and Imported ICS Certification Reports for calendar year 2011 dated January 15, 2013.
10.	Reclamation's letter dated April 17, 2013, verifying SNWA's ICS creation for calendar year 2011.
11.	MWD's Extraordinary Conservation ICS Plan of Creation for calendar year 2012 dated July 25, 2011.
12.	Reclamation's letter dated March 29, 2012, approving MWD's Extraordinary Conservation ICS Plan of Creation for calendar 2012.
13.	IID's Extraordinary Conservation ICS Plan of Creation for calendar year 2012 dated June 17, 2011.
14.	Reclamation's letter dated December 30, 2011, approving IID's Extraordinary Conservation ICS plan of creation for calendar 2012.
15.	SNWA's Tributary Conservation ICS and Imported ICS Plans of Creation for calendar year 2012 dated June 30, 2011.
16.	Reclamation's letter dated December 30, 2011, approving SNWA's 2012 ICS Plans of Creation for Tributary Conservation ICS and Imported ICS.

INTERSTATE WATER BANKING	
17.	AWBA's letter dated December 15, 2010, indicating they would not be storing water for SNWA through 2014.
18.	SNWA's letter dated November 29, 2012, notifying Reclamation of the availability of Nevada unused apportionment in 2012 for storage by MWD.
19.	MWD's letter dated December 26, 2012, confirming its ability to divert up to 65,000 acre-feet of Nevada unused apportionment in 2012 and seeking Reclamation's approval to do so.
20.	Reclamation's letter to MWD dated January 21, 2013, approving MWD to store up to 65,000 acre-feet of Nevada unused apportionment.

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

INTERSTATE WATER BANKING	
21.	Reclamation's letter to SNWA dated January 21, 2013, confirming the existence of and release of up to 65,000 acre-feet of Nevada unused apportionment for storage by MWD.
22.	MWD's letter dated March 12, 2013, report on SNWA's interstate water banking account for 2012.

INADVERTENT OVERRUN AND PAYBACK POLICY	
23.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by Beattie Farms Southwest dated June 22, 2012.
24.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by the Cocopah Indian Tribe dated June 20, 2012.
25.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by the Fort Mojave Indian Tribe dated June 20, 2012.
26.	Notice of Calendar Year 2011 Overrun of Colorado River Entitlement by Imperial Irrigation District dated June 20, 2012.
27.	Notice of Projected Calendar Year 2012 Colorado River Water Use and Possible Overrun by Beattie Farms Southwest dated December 13, 2012.
28.	Notice of Projected Calendar Year 2012 Colorado River Water Use and Possible Overrun by the Imperial Irrigation District dated October 2, 2012.
29.	Beattie Farms Southwest IOPP Payback Plan for Calendar Years 2013-2015 dated August 9, 2012.
30.	Letter approving the IOPP Payback Plan for Calendar Years 2013-2015 for Beattie Farms Southwest, dated December 31, 2012.
31.	Fort Mojave Indian Tribe California Reservation IOPP 2013 Payback Plan dated July 20, 2012.
32.	Letter approving the IOPP Payback Plan for Calendar Year 2013 for the Fort Mojave Indian Tribe – California Reservation, dated December 31, 2012.
33.	IID 2013 IOPP Payback Plan dated September 20, 2012.

DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012

INADVERTENT OVERRUN AND PAYBACK POLICY	
34.	IID 2013 IOPP Payback Plan Approval dated May 14, 2013.

DOCUMENTS RELATING TO THE COLORADO RIVER WATER DELIVERY AGREEMENT	
35.	IID's letter dated November 7, 2012, to Commissioner Connor regarding advanced deliveries to the Salton Sea in 2010.
36.	Commissioner Connor letter dated November 13, 2012, responding to IID's letter dated November 7, 2012, regarding advanced deliveries to the Salton Sea in 2010.
37.	Reclamation's letter to IID dated May 3, 2013, regarding resolution of IID's 2010 delivery of Colorado River water to the Salton Sea.
38.	CAWCD, MWD, and SNWA's joint letter to Reclamation dated November 19, 2012, expressing their desire that any unused Colorado River water for calendar year 2012 be left in Lake Mead to meet the demands for future years.
39.	A letter from the Chairman of the Program Coordinating Committee to IID dated January 10, 2012, verifying the amount of water conserved by Project 18 in 2012.
40.	CVWD's letter dated December 10, 2012, projecting the estimated amount of 2012 environmental mitigation water for the Coachella Canal Lining Project, and the remaining water available for transfer to the SDCWA.
41.	Reclamation's letter to CVWD dated December 31, 2012, acknowledging CVWD's estimate of the amount of water used in 2012 for environmental mitigation for the Coachella Canal Lining Project, and the amount of water available to SDCWA.
42.	An email from CVWD revising and verifying the amount of water used in 2012 for environmental mitigation for the Coachella Canal Lining Project and the amount of water available to SDCWA.

**DOCUMENTS AND LETTERS SIGNIFICANT TO THE DELIVERY OF
AND ACCOUNTING FOR THE USE OF COLORADO RIVER WATER IN CY 2012**

WATER ACCOUNTING	
43.	A description on how irrigation water is accounted for by the USGS for areas where estimates of diversion are required.
44.	Maps showing the locations of the wells and river pumps reported by the USGS, and presented in the supplemental tabulations for Arizona and California.

UNITED STATES-MEXICO 1944 WATER TREATY RELATED	
45.	Minute No. 314 – Extension of the temporary emergency delivery of Colorado River water for use in Tijuana, Baja California.
46.	Minute No. 318 – Adjustment of delivery schedules for water allotted to Mexico for the years 2010 through 2013 as a result of infrastructure damage in Irrigation District 014, Rio Colorado, caused by the April 2010 earthquake in the Mexicali Valley, Baja California.
47.	Minute No. 319 – Interim international cooperative measures in the Colorado River Basin through 2017 and extension of Minute 318 cooperative measures to address the continued effects of the April 2010 earthquake in the Mexicali Valley, Baja California.