

**SUMMARY WATER REPORT
COLORADO RIVER BASIN
October 3, 2011**

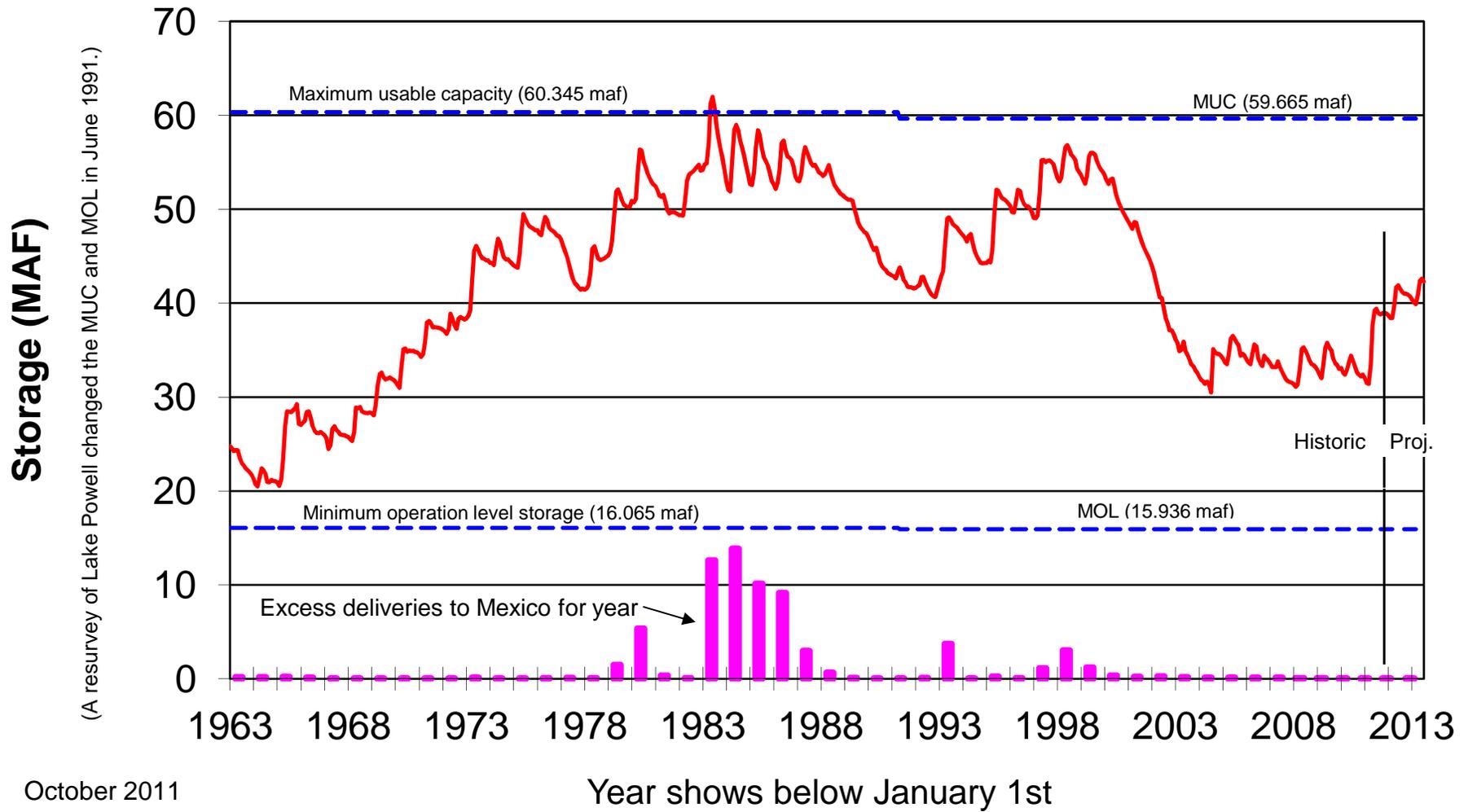
RESERVOIR STORAGE (as of October 2)	September 6, 2011					
	MAF	ELEV. IN FEET	% of Capacity	MAF	ELEV. IN FEET	% of Capacity
Lake Powell	17.573	3,652.8	72	17.822	3,654.8	73
Flaming Gorge	3.462	6,032.9	92	3.533	6,034.7	94
Navajo	1.325	6,058.2	78	1.346	6,059.9	79
Lake Mead	13.010	1,116.4	50	12.779	1,114.0	49
Lake Mohave	1.595	639.2	88	1.659	641.5	92
Lake Havasu	0.584	448.2	94	0.590	448.5	95
Total System Storage	38.662		65	38.923		65
System Storage Last Year	33.040		55	33.664		56

	September 6, 2011	
WY 2011 Precipitation (Basin Weighted Avg) 10/01/10 through 10/03/11	120 percent (39.1")	123 percent (37.9")
WY 2011 Snowpack Water Equivalent (Basin Weighted Avg) on day of 10/03/11 (Above two values based on average of data from 116 sites.)	N/A	N/A
	September 1, 2011	
September 16, 2011 Forecast of Unregulated Lake Powell Inflow	MAF % of Normal	MAF % of Avg.
2011 April through July unregulated inflow Observed	12.896 163 %	12.920 163%
2011 Water Year forecast	16.822 140 %	16.897 140%

USBR Forecasted Year-End 2011 and 2010 Consum. Use, October 3, 2011 a.	MAF			
		2011	2010	
	Diversion - Return =	Net		
Nevada (Estimated Total)	0.470	0.213	0.257	0.243
Arizona (Total)	3.650	0.859	2.791	2.792
CAP Total			1.589	1.653
<i>Az. Water Banking Authority</i>			0.134	0.134
OTHERS			1.202	1.140
California (Total) b./	4.922	0.627	4.295	4.363
MWD			0.714	1.099
3.85 Agriculture	<u>Total</u> <u>Conserved</u>		<u>Forecasted</u> <u>Estimated</u>	
IID c./	3.232	-0.360	2.872	2.547
CVWD d./	0.341	-0.031	0.310	0.304
PVID	0.329	0	0.329	0.274
YPRD	0.047	0	0.047	0.039
Island e./	0.007	0	0.007	0.006
Total Ag.	3.956	-0.391	3.565	3.170
Others			0.016	0.094
PVID-MWD following to storage (to be determined)			--	<u>0</u>
Arizona, California, and Nevada Total f./	9.042	1.700	7.342	7.399

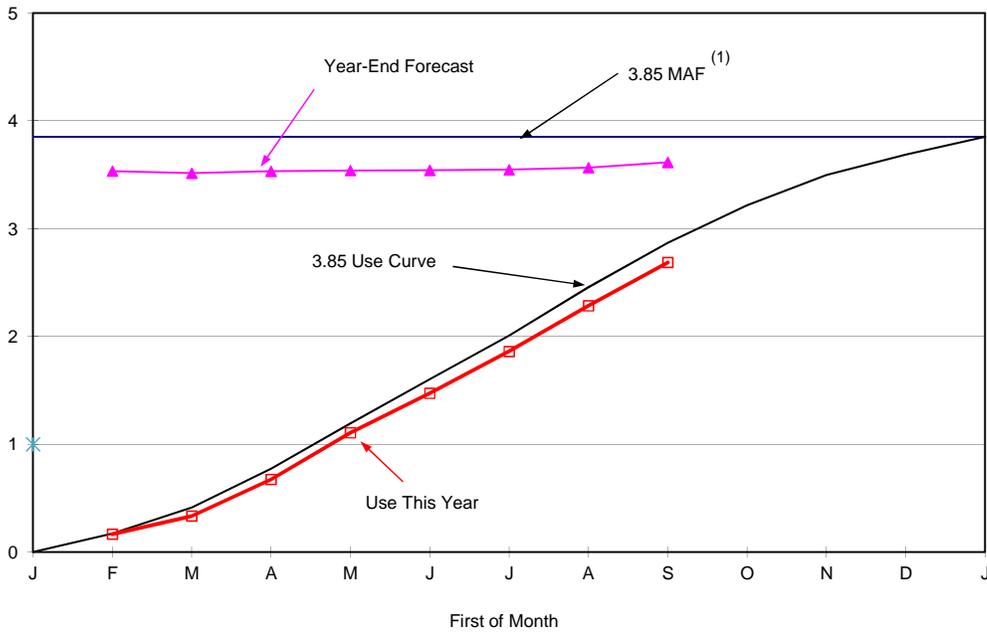
- a./ Incorporates Jan.-Aug. USGS monthly data and 75 daily reporting stations which may be revised after provisions; data reports are distributed by USGS. Use to date estimated for users reporting monthly and annually.
- b./ California 2011 basic use apportionment of 4.4 MAF has been adjusted to 4.174 MAF for payback of Inadvertent Overrun and Payback Policy overruns (-1,213 AF), Intentionally Created Surplus Water by IID (-25,000 AF), Creation of Extraordinary Conservation ICS MWD (-200,000 AF)
- c./ 0.105 MAF conserved by IID-MWD Agreement as amended in 2007: 105,000 AF conserved for SDCWA under the IID-SDCWA Transfer Agreement as amended, 80,000 AF of which is being diverted by MWD; 16,000 AF required to conserved for CVWD under the IID-CVWD Acquisition Agreement, 67,700 AF conserved by the All-American Canal Lining Project.
- d./ 30,850 acre-feet conserved by the Coachella Canal Lining Project.
- e./ Includes estimated amount of 6,530 acre-feet of disputed uses by Yuma Island pumpers and 0 acre-feet by Yuma Project Ranch 5 being charged by USBR to Priority 2.
- f./ Includes unmeasured returns based on estimated consumptive use/diversion ratios by user from studies provided by Arizona Dept. of Water Resources, Colorado River Board of California, and Reclamation.

Monthly Total Colorado River Basin Storage



October 2011

FIGURE 1
OCTOBER 1, 2011 FORECAST OF 2011 YEAR-END COLORADO RIVER WATER USE
BY THE CALIFORNIA AGRICULTURAL AGENCIES



Forecast of Colorado River Water Use by the California Agricultural Agencies (Millions of Acre-feet)			
Month	Use as of First of Month	Forecast of Year End Use	Forecast of Unused Water (1)
Jan	0.000	-----	-----
Feb	0.167	3.533	0.009
Mar	0.335	3.514	0.028
Apr	0.674	3.531	0.011
May	1.107	3.539	0.004
Jun	1.473	3.541	0.001
Jul	1.861	3.546	-0.004
Aug	2.285	3.566	-0.023
Sep	2.686	3.615	-0.073
Oct			
Nov			
Dec			
Jan			

(1) The forecast of unused water is based on the availability of 3.542 MAF under the first three priorities of the water delivery contracts. This accounts for the 85,000 af of conserved water available to MWD under the 1988 IID-MWD Conservation agreement and the 1988 IID-MWD-CVWD-PVID Agreement as amended; 80,000 AF of conserved water available to SDCWA under the IID-SDCWA Transfer Agreement as amended being diverted by MWD; as estimated 29,000 AF of conserved water available to SDCWA and MWD as a result of the Coachella Canal Lining Project, 67,700 AF of water available to SDCWA and MWD as a result of the All American Canal Lining Project; 14,500 AF of water IID and CVWD are forbearing to permit the Secretary of the Interior to satisfy a portion of Indian and miscellaneous present perfected rights use and 25,000 AF of water IID is conserving to create Extraordinary Conservation Intentionally Created Surplus. 0 AF has been subtracted for IID's Salton Sea Salinity Management in 2011. As USBR is charging uses by Yuma Island pumpers to priority 2, the amount of unused water has been reduced by those uses - 6,530 AF. The CRB does not concur with USBR's viewpoint on this matter.

COLORADO RIVER BOARD OF CALIFORNIA

September 28, 2011

COLORADO RIVER WATER REPORT

The following report summarizes data obtained from provisional reports of the U.S. Geological Survey, U.S. Bureau of Reclamation, International Boundary and Water Commission, and Imperial Irrigation District.

I. Active Surface Storage^{1/} in Reservoirs at end of Month (Thousand Acre-feet).

August 2011

<u>Upper Basin</u>	<u>Storage</u>	<u>Elevation in feet</u>	<u>% of Capacity</u>	<u>Change During Month</u>	<u>Change from 2010</u>
Lake Powell	17,890	3,655.3	74%	-716	2,519
Flaming Gorge	3,544	6,035.0	95%	-45	329
Fontenelle	317	6,502.4	92%	27	5
Navajo	1,356	6,060.6	80%	-69	-90
Blue Mesa	760	7,511.7	92%	-46	95
Morrow Point	114	7,155.8	97%	1	1
Crystal	<u>16</u>	<u>6,748.4</u>	<u>89%</u>	<u>3</u>	<u>0</u>
Sub-total	23,997		77%	-845	2,858
<u>Lower Basin</u>					
Lake Mead	12,730	1,113.4	49%	597	2,378
Lake Mohave	1,682	642.4	93%	-20	12
Lake Havasu	<u>582</u>	<u>448.1</u>	<u>94%</u>	<u>-2</u>	<u>-2</u>
Sub-total	14,994		52%	575	2,388
Upper and Lower Basin Total	38,991 ^{2/}		65%	-271	5,246

^{1/} Figures shown do not include reservoir dead storage.

^{2/} Storage above minimum operation level is 38,991 - 15,936 = 23,055 thousand acre-feet. Minimum operation level (15,936 thousand acre-feet) is defined as the sum of active content at minimum power pool plus minimum active content required to make surface diversions at Lake Havasu and Navajo Reservoir.

II. Upper Basin Discharge (Acre-feet).

<u>Station</u>	Meas. Flow August 2011	<u>Cumulative Flow</u> October thru August	<u>Meas. Flow Adjusted for CRSP Surface Storage Changes</u>	
			August 2011	% of Aug. 89- year average (1922-2010 water years)
Green River at Green River, Utah	396,900	7,081,300	351,600	184%
Colorado River near Cisco, Utah	381,000	6,696,100	338,100	140%
San Juan River near Bluff, Utah	44,100	830,800	-24,400	-25%
At Lee Ferry (Compact Point)	1,530,500	11,919,600	658,000	122%

III. Lower Basin Discharge (Acre-feet).

<u>Station</u>	August 2011	<u>Cumulative Flow</u> October thru August
Below Hoover Dam	831,300	9,131,400
Below Davis Dam	832,500	8,966,200
Below Parker Dam	671,700	6,289,800
Above Imperial Dam	521,200	5,390,600

IV. Consumptive Use of Lower Colorado River Mainstream Water (Acre-feet).
August, 2011

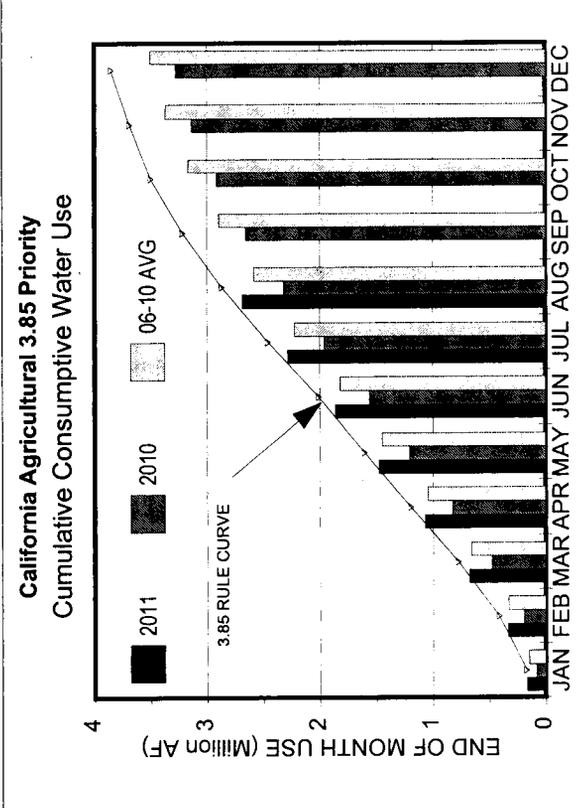
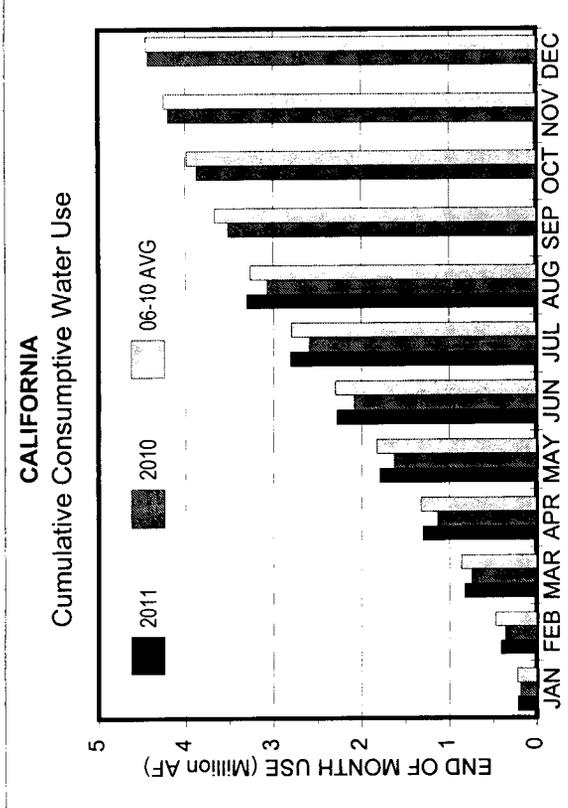
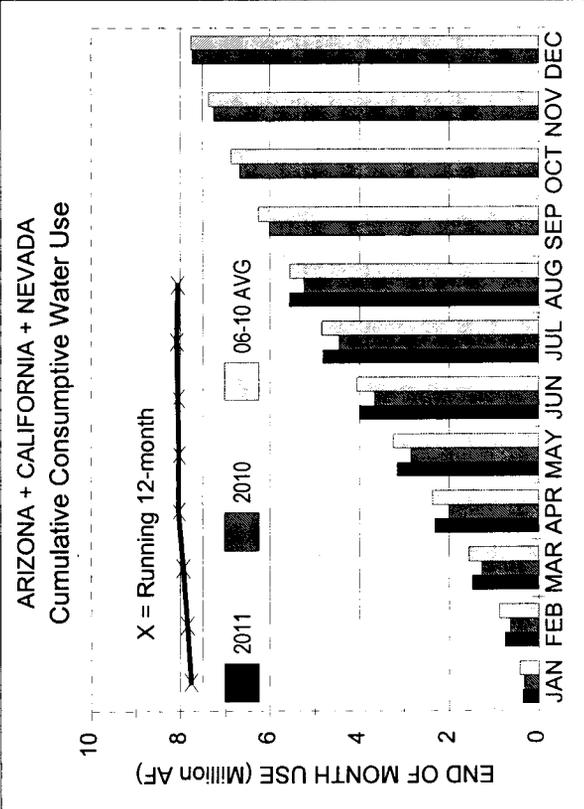
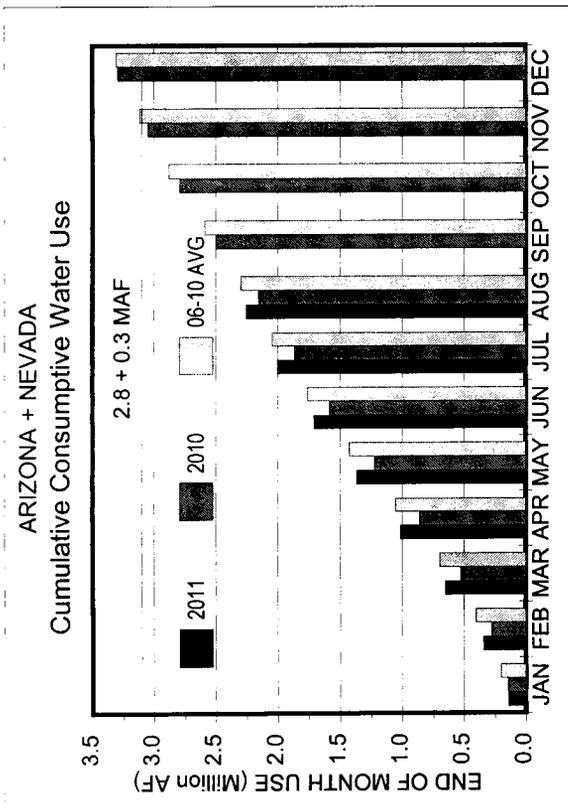
California Users	Diversion	Return	Consumptive Use	Change in Cons. Use From Aug 2010	Cumulative Cons. Use		
					January thru August	Change from prev. Jan. thru Aug.	12 Months thru August
Palo Verde Irrig. Dist.	105,130	42,700	62,430	4,470	298,000	52,650	362,710
Yuma Proj. (Res. Div.) ^{b/}	8,530	3,100	5,430	2,310	36,810	9,710	48,330
Imperial Irrig. Dist. ^{a/}	283,300		283,300	20,120	2,064,120	227,650	2,761,970
Salton Sea Mitigation	0		0	-3,160	0	-4,860	74,480
USBR Operations	12,700		12,700	12,700	70,000	69,770	82,260
IID plus Salton Sea Mitigation	296,000		296,000	29,660	2,134,120	292,560	2,918,710
Coachella Val. Wat. Dist. ^{a/}	<u>37,820</u>		<u>37,820</u>	<u>3,460</u>	<u>217,480</u>	<u>11,410</u>	<u>313,300</u>
Subtotal	447,480	45,800	401,680	39,900	2,686,410	366,330	3,643,050
Fort Mojave Ind. Res. ^{c/}	1,970	910	1,060	-3,240	6,630	-12,490	12,270
Cal. Miscellaneous ^{d/}	5,410		5,410	0	26,660	0	34,000
Metropolitan Water Dist.	<u>90,860</u>	<u>430</u>	<u>90,430</u>	<u>-17,580</u>	<u>584,330</u>	<u>-121,160</u>	<u>975,400</u>
Total	545,720	47,140	498,580	19,080	3,304,030	232,680	4,664,720
<u>Arizona Users</u>							
Central Arizona Project	60,160		60,160	-23,930	1,043,390	69,010	1,720,930
Colorado River Ind. Res.	88,330	26,440	61,890	-2,570	317,830	-8,860	404,250
Gila Gravity Main Canal	82,100	20,090	62,010	-2,070	436,190	70,160	597,170
Yuma Proj. (Valley Div.)	24,460	10,230	14,230	-1,320	170,870	23,630	236,670
Fort Mojave Ind. Res. ^{c/}	10,160	4,680	5,480	-2,970	32,210	-25,520	59,610
Havasu Nat. Wildlife Ref.	3,260	80	3,180	-650	6,960	-21,810	13,680
Arizona Miscellaneous ^{d/}	<u>10,900</u>		<u>10,900</u>	<u>0</u>	<u>62,940</u>	<u>0</u>	<u>85,000</u>
Total	279,370	61,520	217,850	-33,510	2,070,390	106,610	3,117,310
<u>Nevada Users</u>							
From Lake Mead ^{b/}	45,060	9,910	35,150	-2,710	186,470	-5,220	277,470
Mohave Steam Plant	<u>20</u>		<u>20</u>	<u>-20</u>	<u>120</u>	<u>-120</u>	<u>250</u>
Total	45,080	9,910	35,170	-2,730	186,590	-5,340	277,720
Total Consumptive Use (Ariz., Cal., Nev.)	870,170	118,570	751,600	-17,160	5,561,010	333,950	8,059,750

a. Based on measurements below Pilot Knob (assumed to be equal to USBR Article V data after credit is given for unmeasured California return flows between Imperial Dam and Pilot Knob). In addition, Salton Sea mitigation is not part of IID's use but is included in IID total diversion. USBR Operations consists of Salton Sea Operations 0 acre-feet and Warren H. Brock Reservoir Operations 4,040 acre-feet.

b. Return flow estimates based on averages of past returns as calculated by USBR for Article V data.

c. Starting January 2011 consumptive use value is diversion minus returns as reported by Reclamation.

d. An estimated residual made by the Colorado River Board of California combining such items as small diversions along the river, unmeasured groundwater return flow, etc., which, when combined with other quantities listed to arrive at the State's total, presents an estimate of the State's Consumptive use of Lower Colorado River water.



September 16, 2011, Observed Colorado River Flow into
Lake Powell (1) (Million Acre-feet)

	<u>USBR and National Weather Service</u>		<u>Change From Last</u>	
	<u>April-July 2011</u>	<u>Water Year 2011</u>	<u>April-July 2011</u>	<u>Wat Yr 2011</u>
Maximum (2)	12.901	16.902	0.056	0.005
Mean	12.896 *	16.822 **	0.051	-0.075
Minimum (2)	12.892	16.772	0.047	-0.125

* This month's A-J observed is 163% of the 30-year A-J average shown below.

** This month's W-Y observed is 140% of the 30-year W-Y average shown below.

Comparison with past records
of Colorado River
inflow into Lake Powell
(at Lee Ferry prior to 1962)

	<u>April-July Flow</u>	<u>Water Year Flow</u>
Long-Time Average (1922-2010)	7.741	11.519
30-yr. Average (1961-90)	7.735	11.724
10-yr. Average (2001-2010)	5.203	8.449
Max. of Record	15.404 (1984)	21.873 (1984)
Min. of Record	1.115 (2002)	3.058 (2002)
Year 2000	4.352	7.310
Year 2001	4.301	6.955
Year 2002	1.115	3.058
Year 2003	3.918	6.358
Year 2004	3.640	6.128
Year 2005	8.810	12.614
Year 2006	5.318	8.769
Year 2007	4.052	8.231
Year 2008	8.906	12.356
Year 2009	7.804	10.633
Year 2010	5.795	8.738
Total Years 2000 - 2004	17.326	29.809
5-Year Average (2000-2004)	3.465	5.962

(1) Under conditions of no other Upper Basin reservoirs.

(2) USBR and NWS forecasts indicate the probability of 95 percent of the time the actual flow will not exceed the maximum value, and will not be less than the minimum value.

VI. Scheduled Flows to Mexico — Arrivals and excess arrivals of Water for Calendar Year 2011
(Acre-feet)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Scheduled Flow ⁽⁹⁾	Total Arrivals	Excess Arrivals in accord with Minute 242	Other Excess Arrivals	Total Excess Arrivals	Cumulative Excess Arrivals	Flow Through NIB and Limitrophe	Flow By-Pass Southerly International Boundary
Jan.	128,113	146,704	5,905	12,686	18,591	18,591	130,960	5,905
Feb.	155,921	179,145	5,785	17,439	23,224	41,815	162,997	5,785
March	195,427	205,858	6,960	3,471	10,431	52,246	186,916	6,960
April	192,064	215,185	11,516	11,605	23,121	75,367	189,110	11,516
May	110,741	128,851	13,637	4,473	18,110	93,477	99,134	13,637
June	119,567	133,593	13,283	743	14,026	107,503	105,689	13,283
July	125,941	137,212	10,042	1,229	11,271	118,774	116,164	10,042
August	94,770	106,320	9,774	1,776	11,550	130,324	86,791	9,774
Sept.	89,307							
Oct.	62,393							
Nov.	109,271							
Dec.	116,485							
	<u>1,500,000</u>	<u>1,252,868</u>	<u>76,902</u>	<u>53,422</u>			<u>1,077,761</u>	<u>76,902</u>

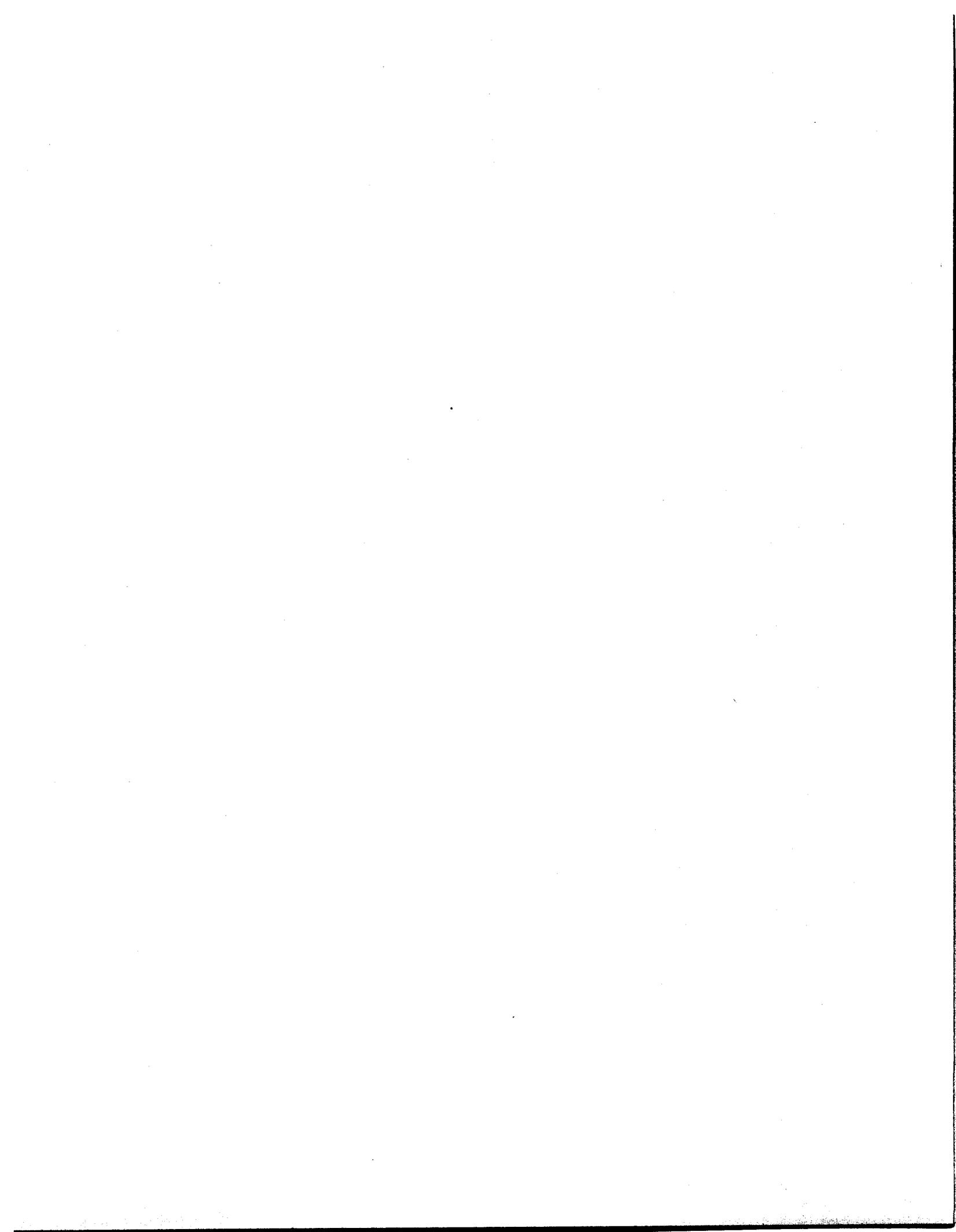
- Column (1). Flow schedule requested by Mexico. In surplus years as determined by the United States, Mexico can schedule up to 1.7 rather than 1.5 million acre-feet.
- (2). Total Colorado River waters reaching Mexico. It is the sum of: 1) Colorado River water measured at the Northerly International Boundary, 2) drainage waters measured at the Southerly International Boundary near San Luis, Arizona, and 3) Wellton-Mohawk drainage waters measured at the Southerly International Boundary. It is the sum of Columns (1) + (5).
- (3). Arizona's Wellton-Mohawk Irrigation and Drainage District drainage water. This water is discharged to the Santa Clara Slough in Mexico via a concrete-lined canal.
- (4). Excess arrivals other than Wellton-Mohawk drainage. It is the sum of: 1) a delivery of about 5,000 a. f. per year to ensure that Mexico receives what is scheduled, 2) releases from Parker Dam which are not used due to unexpected rainfall in the Palo Verde, Coachella, Imperial, and Yuma areas, 3) controlled flood releases on the Gila and Colorado River, and 4) local runoff.
- (5). Sum of Columns (3) and (4).
- (6). Cumulation of Column (5).
- (7). Including Colorado River flow at the Northerly International Boundary plus flow from Cooper, 11-mile, and 21-mile spillways.
- (8). Including flow at the Southerly International Boundary, from the East and West Main canals, Yuma Valley Main, 242 Lateral plus diversions from Lake Havasu for Tijuana.
- (9). Revised schedule of Calendar Year 2011 as of May 27, 2011

WEIGHTED MONTHLY SALINITY AT
SELECTED COLORADO RIVER STATIONS
AND RUNNING 12-MONTH NIB-IMPERIAL FLOW-WEIGHTED SALINITY DIFFERENTIAL
(in parts per million)

Month	Below Hoover Dam		Below Parker Dam ^{3/}		Palo Verde ^{3/} Canal Near Blythe		At Imperial Dam		At Northerly International Boundary		Running 12-Month Flow-Wtd. Differential ^{2/}	
	1974-78	2010	1974-78	2010	1974-78	2010	1974-78	2010	1974-78	2010	2010	2011
Jan.	690	623	709	630	751	660	913	756	1,041	831	130.7	143.3
Feb.	675	628	706	660	732	690	835	729	998	856	131.2	137.9
March	684	622	699	640	727	650	805	663	925	746	125.8	147.1
April	680	613	700	630	714	650	801	672	892	752	123.6	153.6
May	677	614	698	630	709	640	822	685	962	951	130.6	146.3
June	678	607	695	610	712	640	812	672	956	909	136.3	140.1
July	682	611	688	620	709	620	797	658	909	834	139.8	141.1
August	690	594	686	620	706	620	800	678	907	888	142.7	142.4
Sept.	672	590	686	620	737	650	815	676	952	843	144.0	
Oct.	680	592	689	620	739	630	854	694	1,070	783	141.1	
Nov.	682	609	692	640	746	650	897	692	1,010	816	142.9	
Dec.	681	596	702	620	731	650	877	733	999	819	137.3	

General Notes:

- 1/ 5-Year averages are arithmetical.
- 2/ 12-month flow-weighted differential between NIB and Imperial Dam through month shown in left column.
- 3/ Operational values only.
- 4/ Values are grab samples (one or two samples per month) and are rounded to represent general magnitude of salinity at Parker Dam and Palo Verde Canal.
- 5/ Preliminary



COLORADO RIVER BOARD OF CALIFORNIA

August 28, 2011

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The following report summarizes data obtained from provisional reports of the U.S. Geological Survey, U.S. Bureau of Reclamation, International Boundary and Water Commission, and Imperial Irrigation District.

I. Active Surface Storage^{1/} in Reservoirs at end of Month (Thousand Acre-feet).

July 2011

<u>Upper Basin</u>	<u>Storage</u>	<u>Elevation in feet</u>	<u>% of Capacity</u>	<u>Change During Month</u>	<u>Change from 2010</u>
Lake Powell	18,605	3,660.9	76%	1,516	3,010
Flaming Gorge	3,590	6,036.1	96%	275	336
Fontenelle	290	6,498.9	84%	112	-43
Navajo	1,425	6,065.9	84%	-38	-49
Blue Mesa	806	7,516.8	97%	71	110
Morrow Point	113	7,155.2	97%	-0	-1
Crystal	<u>13</u>	<u>6,739.5</u>	<u>74%</u>	<u>-4</u>	<u>-3</u>
Sub-total	24,842		80%	1,933	3,360
<u>Lower Basin</u>					
Lake Mead	12,133	1,107.1	46%	428	1,776
Lake Mohave	1,702	643.1	94%	23	-13
Lake Havasu	<u>584</u>	<u>448.2</u>	<u>94%</u>	<u>9</u>	<u>-8</u>
Sub-total	14,419		50%	460	1,756
Upper and Lower Basin Total	39,261 ^{2/}		66%	2,394	5,115

^{1/} Figures shown do not include reservoir dead storage.

^{2/} Storage above minimum operation level is 39,261 - 15,936 = 23,325 thousand acre-feet. Minimum operation level (15,936 thousand acre-feet) is defined as the sum of active content at minimum power pool plus minimum active content required to make surface diversions at Lake Havasu and Navajo Reservoir.

II. Upper Basin Discharge (Acre-feet).

<u>Station</u>	<u>Meas. Flow July 2011</u>	<u>Cumulative Flow October thru July</u>	<u>Meas. Flow Adjusted for CRSP Surface Storage Changes</u>	
			<u>July 2011</u>	<u>% of July 89- year average (1922-2010 water years)</u>
Green River at Green River, Utah	1,578,000	6,684,400	1,852,700	423%
Colorado River near Cisco, Utah	1,372,000	6,315,100	1,439,100	276%
San Juan River near Bluff, Utah	94,800	786,700	57,300	44%
At Lee Ferry (Compact Point)	1,532,000	10,389,100	3,352,600	291%

III. Lower Basin Discharge (Acre-feet).

<u>Station</u>	<u>July 2011</u>	<u>Cumulative Flow October thru July</u>
Below Hoover Dam	1,001,700	8,300,100
Below Davis Dam	961,800	8,133,700
Below Parker Dam	770,400	5,618,100
Above Imperial Dam	610,100	4,869,400

IV. Consumptive Use of Lower Colorado River Mainstream Water (Acre-feet).
July, 2011

California Users	Diversion	Return	Consumptive Use	Change in Cons. Use From Jul. 2010	Cumulative Cons. Use		
					January thru July	Change from prev. Jan. thru Jul.	12 Months thru July
Palo Verde Irrig. Dist.	93,440	41,210	52,230	-6,910	235,570	48,180	358,240
Yuma Proj. (Res. Div.) ^{b/}	6,350	3,060	3,290	-2,410	31,380	7,400	46,020
Imperial Irrig. Dist. ^{a/}	323,640		323,640	27,200	1,780,820	207,530	2,741,850
Salton Sea Mitigation	0		0	0	0	-1,700	77,640
USBR Operations	11,420		11,420	11,190	57,300	57,070	69,560
IID plus Salton Sea Mitigation	335,060		335,060	38,390	1,838,120	262,900	2,889,050
Coachella Val. Wat. Dist. ^{a/}	33,040		33,040	-3,000	179,660	7,950	309,840
Subtotal	467,890	44,270	423,620	26,070	2,284,730	326,430	3,603,150
Fort Mojave Ind. Res. ^{c/}	1,280	590	690	-3,610	5,570	-9,250	15,510
Cal. Miscellaneous ^{d/}	5,300		5,300	0	21,250	0	34,000
Metropolitan Water Dist.	100,010	430	99,580	-7,310	493,900	-103,580	992,980
Total	574,480	45,290	529,190	15,150	2,805,450	213,600	4,645,640
<u>Arizona Users</u>							
Central Arizona Project	76,850		76,850	27,600	983,230	92,940	1,744,860
Colorado River Ind. Res.	85,410	23,920	61,490	-5,700	255,940	-6,290	406,820
Gila Gravity Main Canal	83,490	20,240	63,250	-6,410	374,180	72,230	599,240
Yuma Proj. (Valley Div.)	47,960	11,460	36,500	6,250	156,640	24,950	237,990
Fort Mojave Ind. Res. ^{c/}	12,620	5,800	6,820	-1,630	26,730	-22,550	62,580
Havasu Nat. Wildlife Ref.	1,580	0	1,580	-3,520	3,780	-21,160	14,330
Arizona Miscellaneous ^{d/}	11,320		11,320	0	52,040	0	85,000
Total	319,230	61,420	257,810	16,590	1,852,540	140,120	3,150,820
<u>Nevada Users</u>							
From Lake Mead ^{b/}	43,890	8,780	35,110	-4,150	151,320	-2,510	280,180
Mohave Steam Plant	10		10	-40	100	-100	270
Total	43,900	8,780	35,120	-4,190	151,420	-2,610	280,450
Total Consumptive Use (Ariz., Cal., Nev.)	937,610	115,490	822,120	27,550	4,809,410	351,110	8,076,910

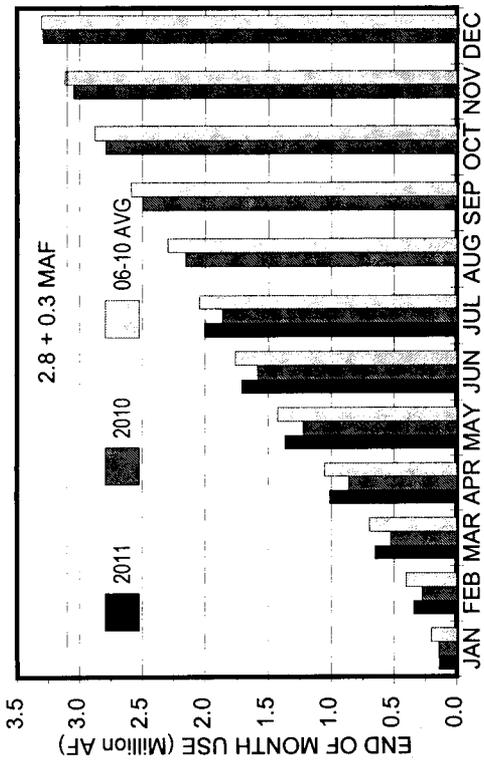
a. Based on measurements below Pilot Knob (assumed to be equal to USBR Article V data after credit is given for unmeasured California return flows between Imperial Dam and Pilot Knob). In addition, Salton Sea mitigation is not part of IID's use but is included in IID total diversion. USBR Operations consists of Salton Sea Operations 0 acre-feet and Warren H. Brock Reservoir Operations 4,040 acre-feet.

b. Return flow estimates based on averages of past returns as calculated by USBR for Article V data.

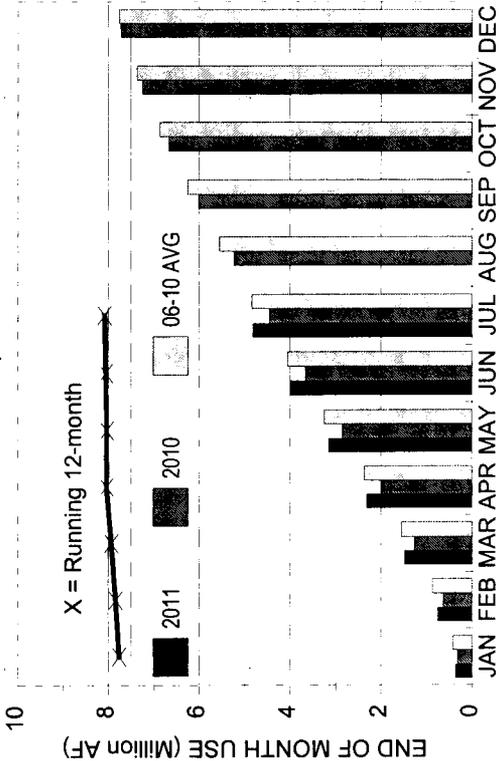
c. Starting January 2011 consumptive use value is diversion minus returns as reported by Reclamation.

d. An estimated residual made by the Colorado River Board of California combining such items as small diversions along the river, unmeasured groundwater return flow, etc., which, when combined with other quantities listed to arrive at the State's total, presents an estimate of the State's Consumptive use of Lower Colorado River water.

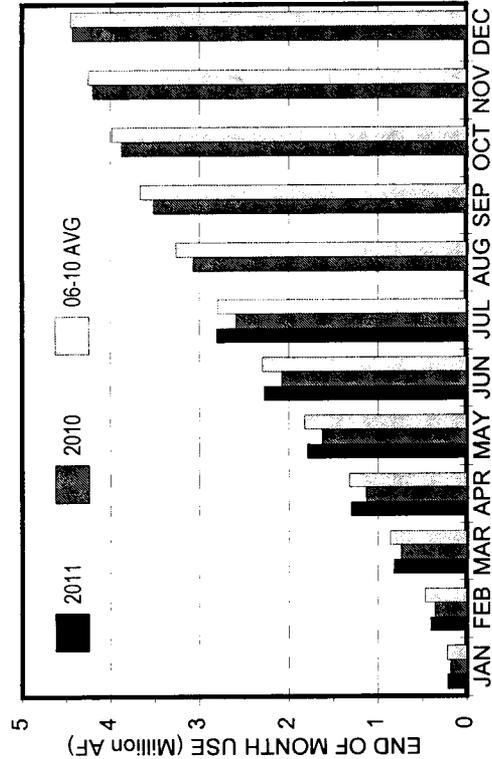
ARIZONA + NEVADA
Cumulative Consumptive Water Use



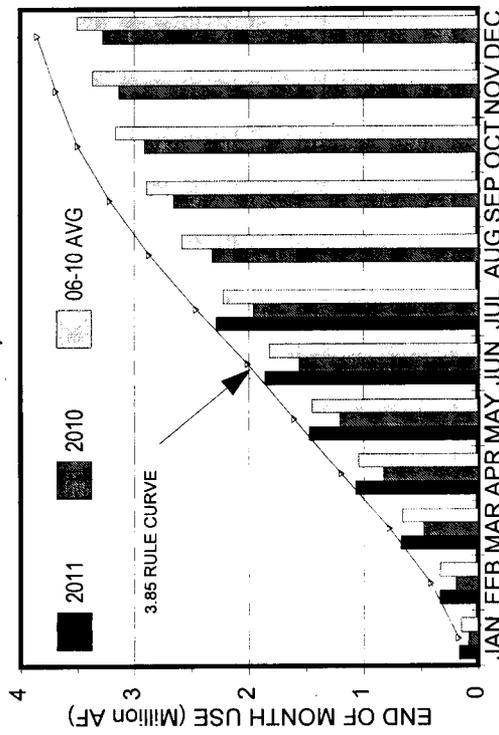
ARIZONA + CALIFORNIA + NEVADA
Cumulative Consumptive Water Use



CALIFORNIA
Cumulative Consumptive Water Use



California Agricultural 3.85 Priority
Cumulative Consumptive Water Use



September 16, 2011, Observed Colorado River Flow into
Lake Powell (1) (Million Acre-feet)

	<u>USBR and National Weather Service</u>		<u>Change From Last</u>	
	<u>April-July 2011</u>	<u>Water Year 2011</u>	<u>April-July 2011</u>	<u>Wat Yr 2011</u>
Maximum (2)	12.901	16.902	0.056	0.005
Mean	12.896 *	16.822 **	0.051	-0.075
Minimum (2)	12.892	16.772	0.047	-0.125

* This month's A-J observed is 163% of the 30-year A-J average shown below.

** This month's W-Y observed is 140% of the 30-year W-Y average shown below.

Comparison with past records
of Colorado River
inflow into Lake Powell
(at Lee Ferry prior to 1962)

	<u>April-July Flow</u>	<u>Water Year Flow</u>
Long-Time Average (1922-2010)	7.741	11.519
30-yr. Average (1961-90)	7.735	11.724
10-yr. Average (2001-2010)	5.203	8.449
Max. of Record	15.404 (1984)	21.873 (1984)
Min. of Record	1.115 (2002)	3.058 (2002)
Year 2000	4.352	7.310
Year 2001	4.301	6.955
Year 2002	1.115	3.058
Year 2003	3.918	6.358
Year 2004	3.640	6.128
Year 2005	8.810	12.614
Year 2006	5.318	8.769
Year 2007	4.052	8.231
Year 2008	8.906	12.356
Year 2009	7.804	10.633
Year 2010	5.795	8.738
Total Years 2000 - 2004	17.326	29.809
5-Year Average (2000-2004)	3.465	5.962

(1) Under conditions of no other Upper Basin reservoirs.

(2) USBR and NWS forecasts indicate the probability of 95 percent of the time the actual flow will not exceed the maximum value, and will not be less than the minimum value.

VI. Scheduled Flows to Mexico — Arrivals and excess arrivals of Water for Calendar Year 2011
(Acre-feet)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Scheduled Flow ^(a)	Total Arrivals	Excess Arrivals in accord with Minute 242	Other Excess Arrivals	Total Excess Arrivals	Cumulative Excess Arrivals	Flow Through NIB and Limitrophe	Flow By-Pass Southerly International Boundary
Jan.	128,113	146,704	5,905	12,686	18,591	18,591	130,960	5,905
Feb.	155,921	179,145	5,785	17,439	23,224	41,815	162,997	5,785
March	195,427	205,858	6,960	3,471	10,431	52,246	186,916	6,960
April	192,064	215,185	11,516	11,605	23,121	75,367	189,110	11,516
May	110,741	128,851	13,637	4,473	18,110	93,477	99,134	13,637
June	119,567	133,593	13,283	743	14,026	107,503	105,689	13,283
July	125,941	137,212	10,042	1,229	11,271	118,774	116,164	10,042
August	94,770							
Sept.	89,307							
Oct.	62,393							
Nov.	109,271							
Dec.	116,485							
	<u>1,500,000</u>	<u>1,146,548</u>	<u>67,128</u>	<u>51,646</u>			<u>990,970</u>	<u>67,128</u>

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- Column (1). Flow schedule requested by Mexico. In surplus years as determined by the United States, Mexico can schedule up to 1.7 rather than 1.5 million acre-feet.
- (2). Total Colorado River waters reaching Mexico. It is the sum of: 1) Colorado River water measured at the Northerly International Boundary, 2) drainage waters measured at the Southerly International Boundary near San Luis, Arizona, and 3) Wellton-Mohawk drainage waters measured at the Southerly International Boundary. It is the sum of Columns (1) + (5).
- (3). Arizona's Wellton-Mohawk Irrigation and Drainage District drainage water. This water is discharged to the Santa Clara Slough in Mexico via a concrete-lined canal.
- (4). Excess arrivals other than Wellton-Mohawk drainage. It is the sum of: 1) a delivery of about 5,000 a. f. per year to ensure that Mexico receives what is scheduled, 2) releases from Parker Dam which are not used due to unexpected rainfall in the Palo Verde, Coachella, Imperial, and Yuma areas, 3) controlled flood releases on the Gila and Colorado River, and 4) local runoff.
- (5). Sum of Columns (3) and (4).
- (6). Cumulation of Column (5).
- (7). Including Colorado River flow at the Northerly International Boundary plus flow from Cooper, 11-mile, and 21-mile spillways.
- (8). Including flow at the Southerly International Boundary, from the East and West Main canals, Yuma Valley Main, 242 Lateral plus diversions from Lake Havasu for Tijuana.
- (9). Revised schedule of Calendar Year 2011 as of May 27, 2011

WEIGHTED MONTHLY SALINITY AT
SELECTED COLORADO RIVER STATIONS
AND RUNNING 12-MONTH NIB-IMPERIAL FLOW-WEIGHTED SALINITY DIFFERENTIAL
(in parts per million)

Month	Below Hoover Dam		Below Parker Dam ^{3/}		Palo Verde ^{3/} Canal Near Blythe		At Imperial Dam		At Northerly Inter- national Boundary		Running 12-Month Flow-Wtd. Differential ^{2/}	
	1974-78 5-Year avg. ^{1/}	2010	1974-78 5-Year avg. ^{1/}	2010	1974-78 5-Year avg. ^{1/}	2010	1974-78 5-Year avg. ^{1/}	2010	1974-78 5-Year avg. ^{1/}	2010	2010	2011
Jan.	690	623	606	620	640	660	714	756	831	882	130.7	143.3
Feb.	675	628	612	620	620	690	686	729	856	779	131.2	137.9
March	684	622	589	620	610	650	660	663	746	802	125.8	147.1
April	680	613	613	620	630	650	674	672	752	735	123.6	153.6
May	677	614	604	620	630	640	683	685	962	852	130.6	146.3
June	678	607	602	620	640	640	667	672	956	819	136.3	140.1
July	682	611	601	620	630	620	661	658	909	848	139.8	141.1
August	690	594	590	620	630	620	678	800	907	888	142.7	
Sept.	672	590	590	620	630	650	676	815	952	843	144.0	
Oct.	680	592	592	620	630	630	694	854	1,070	783	141.1	
Nov.	682	609	609	640	650	650	692	897	1,010	816	142.9	
Dec.	681	596	596	620	650	650	733	877	999	819	137.3	

General Notes:

1/ 5-Year averages are arithmetical.

2/ 12-month flow-weighted differential between NIB and Imperial Dam through month shown in left column.

3/ Operational values only.

4/ Values are grab samples (one or two samples per month) and are rounded to represent general magnitude of salinity at Parker Dam and Palo Verde Canal.