

**SUMMARY WATER REPORT
COLORADO RIVER BASIN
June 4, 2012**

RESERVOIR STORAGE (as of June 3)	May 7, 2012					
	MAF	ELEV. IN FEET	% of Capacity	MAF	ELEV. IN FEET	% of Capacity
Lake Powell	15.640	3,636.9	64	15.524	3,635.9	64
Flaming Gorge	3.103	6,023.4	83	3.206	6,026.2	86
Navajo	1.299	6,056.1	77	1.353	6,060.4	80
Lake Mead	13.518	1,119.1	52	13.926	1,123.3	54
Lake Mohave	1.683	642.4	93	1.687	642.6	93
Lake Havasu	0.593	448.7	96	0.595	448.8	96
Total System Storage	36.724		62	37.117		62
System Storage Last Year	33.371		56	31.561		53

	May 7, 2012	
WY 2012 Precipitation (Basin Weighted Avg) 10/01/11 through 6/04/12	72 percent (18.1")	75 percent (17.3")
WY 2012 Snowpack Water Equivalent (Basin Weighted Avg) on day of 6/04/12 (Above two values based on average of data from 116 sites.)	6 percent (0.2")	20 percent (2.7")
	May 3, 2012	
May 16, 2012 Forecast of Unregulated Lake Powell Inflow	MAF % of Normal	MAF % of Avg.
2012 April through July unregulated inflow forecast	2.260 32 %	2.360 33%
2012 Water Year forecast	5.472 51 %	5.568 51%

USBR Forecasted Year-End 2012 and 2011 Consum. Use, June 4, 2012 a.		MAF		
		2012	2011	
	Diversion	- Return =	Net	
Nevada (Estimated Total)	0.481	0.207	0.274	0.221
Arizona (Total)	3.779	0.921	2.858	2.785
CAP Total			1.612	1.625
Az. Water Banking Authority			0.134	0.134
OTHERS			1.247	1.160
California (Total) b./	5.037	0.630	4.407	4.315
MWD			0.688	0.699
3.85 Agriculture				
IID c./	<u>Total</u>	<u>Conserved</u>	<u>Forecasted</u>	<u>Estimated</u>
CVWD d./	3.212	-0.306	2.906	2.916
PVID	0.360	-0.028	0.332	0.309
YPRD	0.392	0	0.392	0.320
Island e./	0.042	0	0.042	0.048
Total Ag.	0.007	0	0.007	0.007
Others	4.013	-0.334	3.679	3.600
PVID-MWD following to storage (to be determined)			0.040	0.016
Arizona, California, and Nevada Total f./	9.297	1.758	7.539	7.321

- a./ Incorporates Jan.-Apr. USGS monthly data and 75 daily reporting stations which may be revised after provision; data reports are distributed by USGS. Use to date estimated for users reporting monthly and annually.
- b./ California 2012 basic use apportionment of 4.4 MAF has been adjusted to 4.175 MAF for creation of Intentionally Created Surplus Water by IID (-25,000 AF), and Creation of Extraordinary Conservation (ICS) by MWD (-200,000 AF).
- c./ In 2012, 0.105 MAF being conserved by IID-MWD Agreement as amended in 2007: 112,500 AF being conserved for SDCWA under the IID-SDCWA Transfer Agreement as amended, 90,000 AF of which is being diverted by MWD; 21,000 AF being conserved for CVWD under the IID-CVWD Acquisition Agreement, 67,700 AF being conserved by the All American Canal Lining Project.
- d./ In 2011, 28,265 acre-feet conserved by the Coachella Canal Lining Project.
- e./ Includes estimated amount of 6,660 acre-feet of disputed uses by Yuma Island pumpers and 653 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.

**SUMMARY WATER REPORT
COLORADO RIVER BASIN
May 7, 2012**

RESERVOIR STORAGE (as of May 6)	April 2, 2012					
	MAF	ELEV. IN FEET	% of Capacity	MAF	ELEV. IN FEET	% of Capacity
Lake Powell	15.524	3,635.9	64	15.465	3,635.4	64
Flaming Gorge	3.206	6,026.2	86	3.230	6,026.9	86
Navajo	1.353	6,060.4	80	1.310	6,057.0	77
Lake Mead	13.926	1,123.3	54	14.539	1,129.4	56
Lake Mohave	1.687	642.6	93	1.654	641.4	91
Lake Havasu	0.595	448.8	96	0.566	447.2	91
Total System Storage	37.117		62	37.559		62
System Storage Last Year	31.561		53	31.491		53

	April 2, 2012	
WY 2012 Precipitation (Basin Weighted Avg) 10/01/11 through 5/07/12	75 percent (17.3")	79 percent (15.2")
WY 2012 Snowpack Water Equivalent (Basin Weighted Avg) on day of 5/07/12 (Above two values based on average of data from 116 sites.)	20 percent (2.7")	54 percent (9.5")
	March 19, 2012	
May 3, 2012 Forecast of Unregulated Lake Powell Inflow	MAF % of Normal	MAF % of Avg.
2012 April through July unregulated inflow forecast	2.360 33 %	4.800 67%
2012 Water Year forecast	5.568 51 %	8.250 76%

USBR Forecasted Year-End 2012 and 2011 Consum. Use, May 9, 2012 a.	MAF			
		2012	2011	
	Diversion	- Return =	Net	
Nevada (Estimated Total)	0.482	0.209	0.273	0.221
Arizona (Total)	3.773	0.923	2.850	2.785
CAP Total			1.608	1.625
Az. Water Banking Authority			0.134	0.134
OTHERS			1.242	1.160
California (Total) b./	4.975	0.623	4.352	4.315
MWD			0.666	0.699
3.85 Agriculture	<u>Total</u>	<u>Conserved</u>	<u>Forecasted</u>	<u>Estimated</u>
IID c./	3.184	-0.306	2.878	2.916
CVWD d./	0.360	-0.028	0.332	0.309
PVID	0.385	0	0.385	0.320
YPRD	0.045	0	0.045	0.048
Island e./	0.007	0	0.007	0.007
Total Ag.	3.981	-0.334	3.647	3.600
Others			0.039	0.016
PVID-MWD following to storage (to be determined)			--	<u>0</u>
Arizona, California, and Nevada Total f./	9.230	1.755	7.475	7.321

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- d./ In 2011, 28,265 acre-feet conserved by the Coachella Canal Lining Project.
- e./ Includes estimated amount of 6,660 acre-feet of disputed uses by Yuma Island pumpers and 653 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.

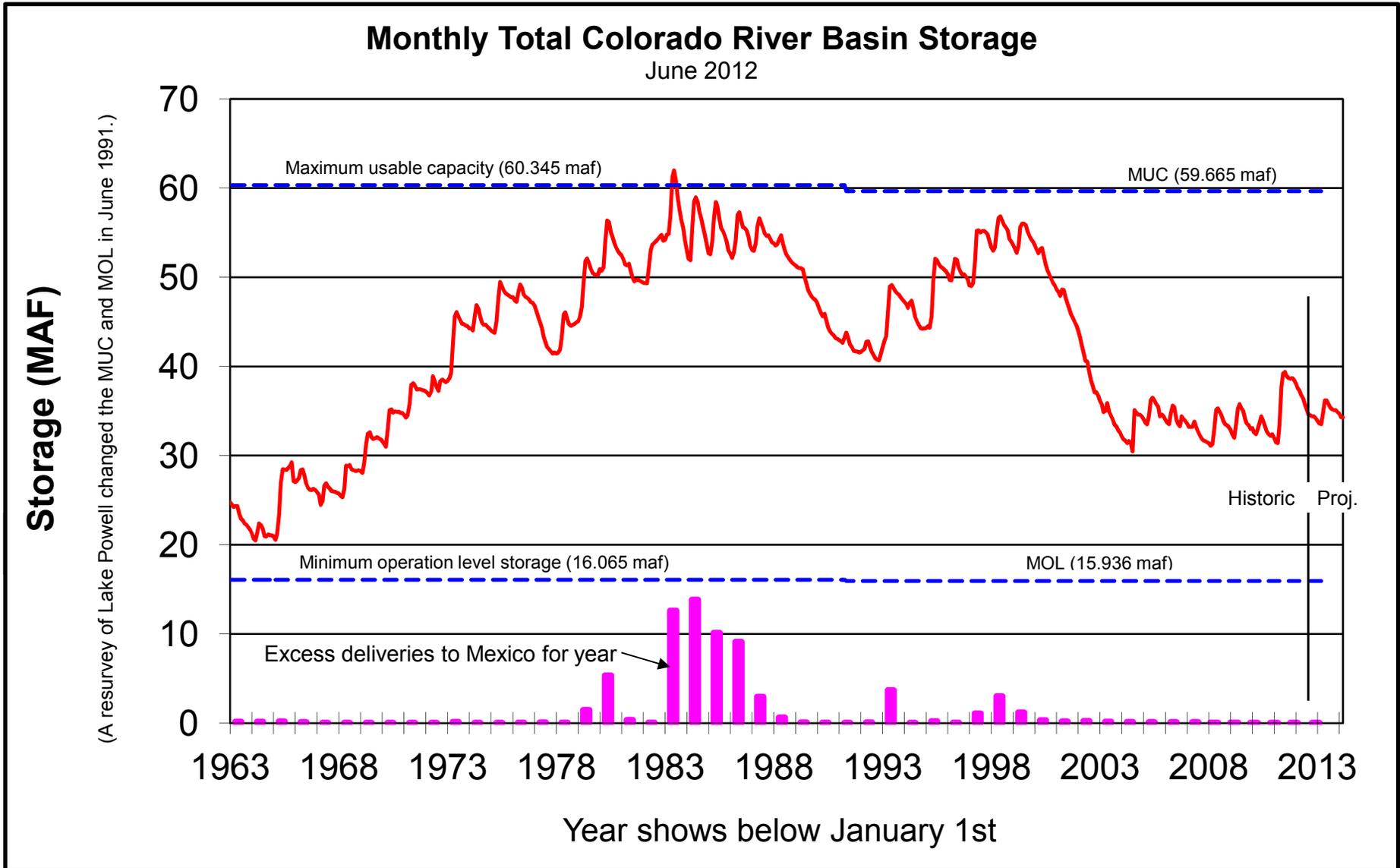


Figure 1. Total Colorado River Basin Storage as of June 2012

Figure 3. NOAA National Weather Service Monthly Precipitation Maps for April and May 2012

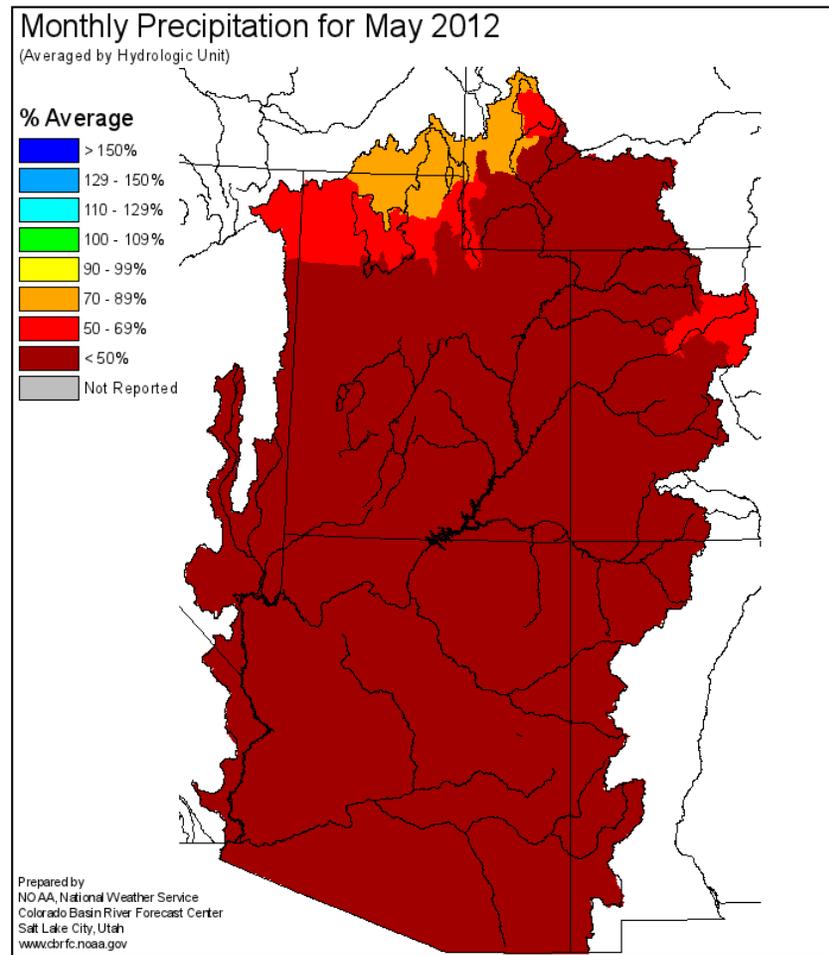
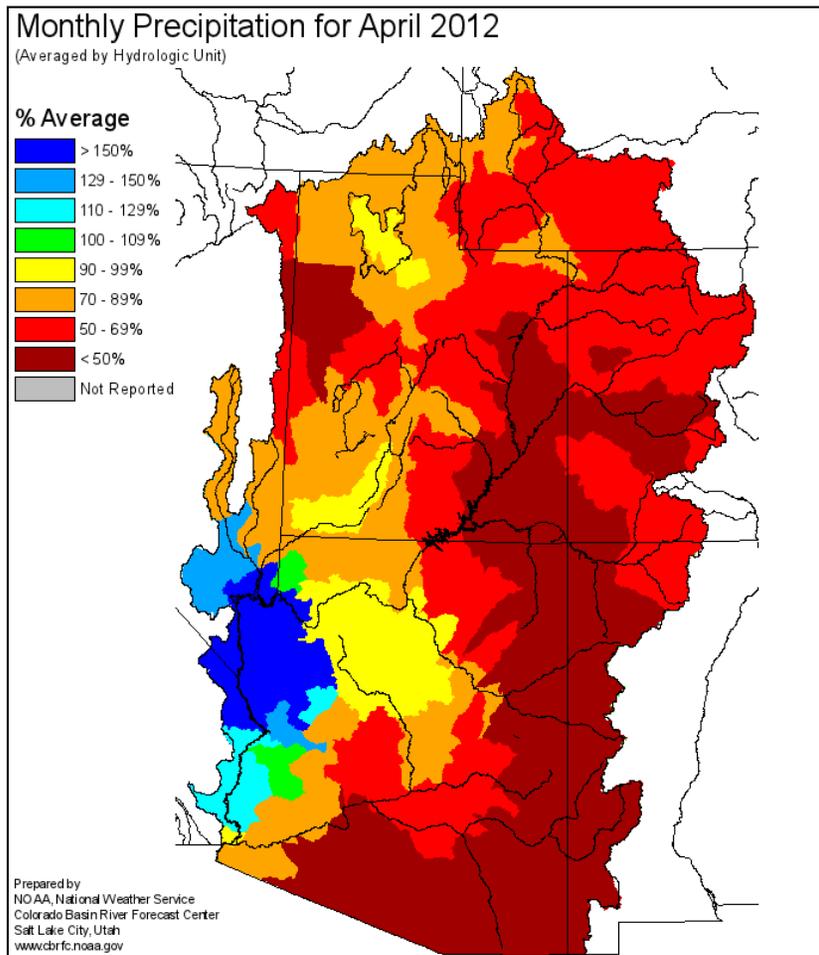
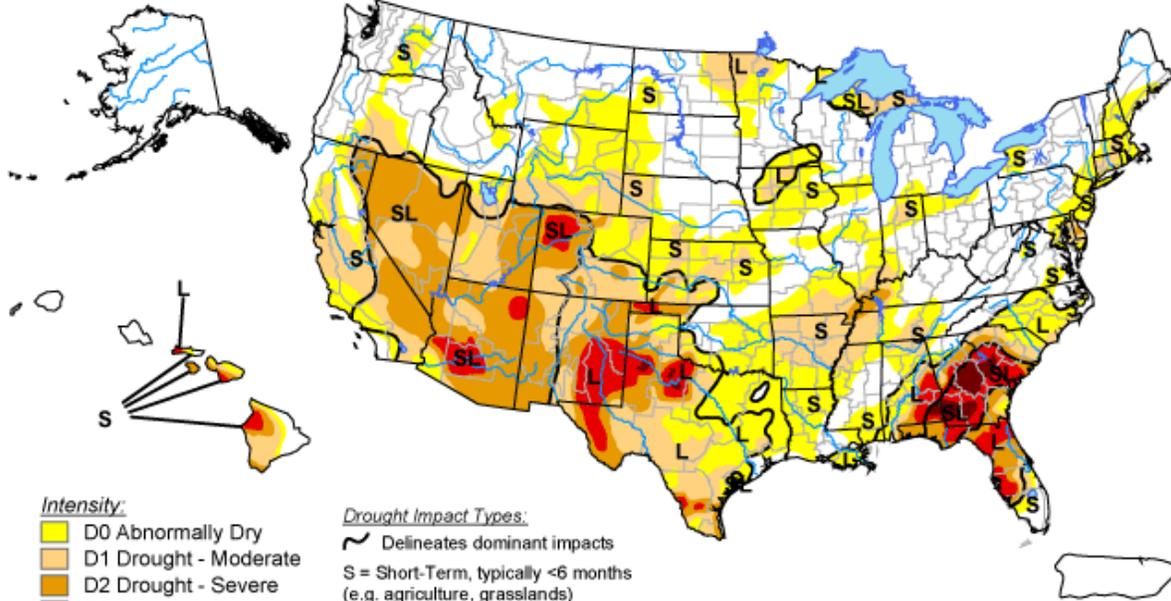


Figure 6. USDA United States Drought Monitor Map

U.S. Drought Monitor

May 29, 2012
Valid 7 a.m. EDT



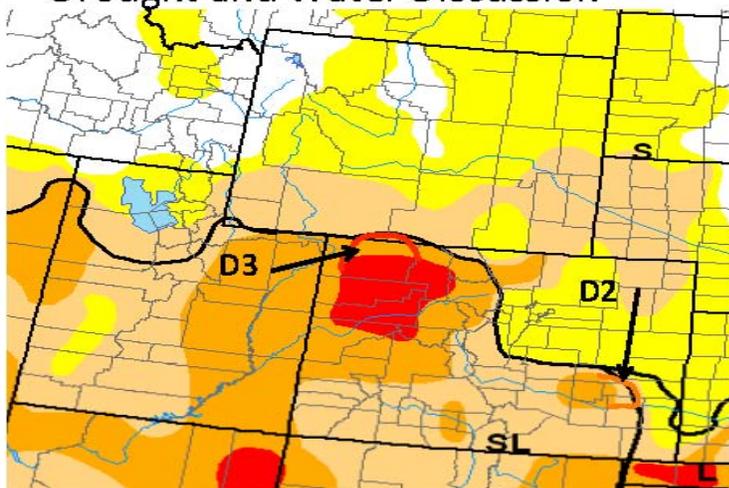
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu/>



Released Thursday, May 31, 2012
Author: Brad Rippey, U.S. Department of Agriculture

Drought and Water Discussion



Drought – Exceptional	0 to 2 (D4)
Drought – Extreme	2 to 5 (D3)
Drought – Severe	5 to 10 (D2)
Drought – Moderate	10 to 20 (D1)
Abnormally Dry	20 to 30 (D0)

Drought categories and their associated percentiles

VI. Scheduled Flows to Mexico — Arrivals and excess arrivals of Water for Calendar Year 2012
(Acre-feet)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	<u>Scheduled</u>	<u>Total</u>	<u>Excess</u>	<u>Other</u>	<u>Total</u>	<u>Cumulative</u>	<u>Flow</u>	<u>Flow By-Pass</u>
	<u>Flow</u>	<u>Arrivals</u>	<u>Arrivals</u>	<u>Excess</u>	<u>Excess</u>	<u>Excess</u>	<u>Through</u>	<u>Southerly</u>
			<u>in accord</u>	<u>Arrivals</u>	<u>Arrivals</u>	<u>Arrivals</u>	<u>NIB and</u>	<u>International</u>
			<u>with</u>				<u>Limitrophe</u>	<u>Boundary</u>
			<u>Minute 242</u>					
Jan.	130,284	141,101	10,501	316	10,817	10,817	120,438	10,498
Feb.	158,443	167,540	8,708	389	9,097	19,914	147,877	8,708
March	186,741	196,834	9,612	481	10,093	30,007	176,235	9,612
April	205,407							
May	112,314							
June	113,999							
July	115,191							
August	104,505							
Sept.	101,509							
Oct.	63,672							
Nov.	101,893							
Dec.	106,043							
	<u>1,500,001</u>	<u>505,475</u>	<u>28,821</u>	<u>1,186</u>			<u>444,550</u>	<u>28,818</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 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.

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/}	
	5-Year avg. ^{1/}			5-Year avg. ^{1/}			5-Year avg. ^{1/}			5-Year avg. ^{1/}			5-Year avg. ^{1/}			2011	2012
	1974-78	2011	2012	1974-78	2011	2012 ^{4/}	1974-78	2011 ^{4/}	2012 ^{4/}	1974-78	2011	2012	1974-78	2011	2012		
Jan.	690	606	544	709	620	620	751	640	640 ^{5/}	913	714	725	1,041	882	865	143.3	140
Feb.	675	612	574	706	620	620	732	620	630	835	686	683	998	779	810	137.9	127
March	684	589	568	699	620	610	727	610	620	805	660	662	925	802	801	147.1	139
April	680	613		700	620		714	630		801	674		892	735		153.6	
May	677	604		698	620		709	630		822	683		962	852		146.3	
June	678	602		695	620		712	640		812	667		956	819		140.1	
July	682	601		688	620		709	630		797	661		909	848		141.1	
August	690	577		686	620		706	610		800	680		907	915		142.4	
Sept.	672	565		686	620		737	630		815	693		952	913		145.1	
Oct.	680	559		689	600		739	620		854	694		1,070	913		151.4	
Nov.	682	544		692	610		746	640		897	739		1,010	879		153.1	
Dec.	681	589		702	620		731	660		877	769		999	868		155.9	

General Notes:

^{1/} 5-Year averages are arithmetical.

^{2/} 2011 values are 12-month flow-weighted differential between NIB and Imperial Dam through month shown in left column. 2012 values are IBWC monthly salinity differential

^{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/} Estimate.