Colorado River Board of California

Monthly Meeting:

April 11, 2012

Public Comment

Administration

- **Approval of Meeting Minutes**
  - **March 14th Minutes (Action)**

Tab 1

Protection of Existing Rights

Hoover Dam , Boulder Canyon, and Lower Lake Mead National Recreation Area

Colorado River Water Report

Lake Powell and Glen Canyon National Recreation Area

Tab 2

Basin Hydrology WY-2011 (10/1/11–4/2/12)

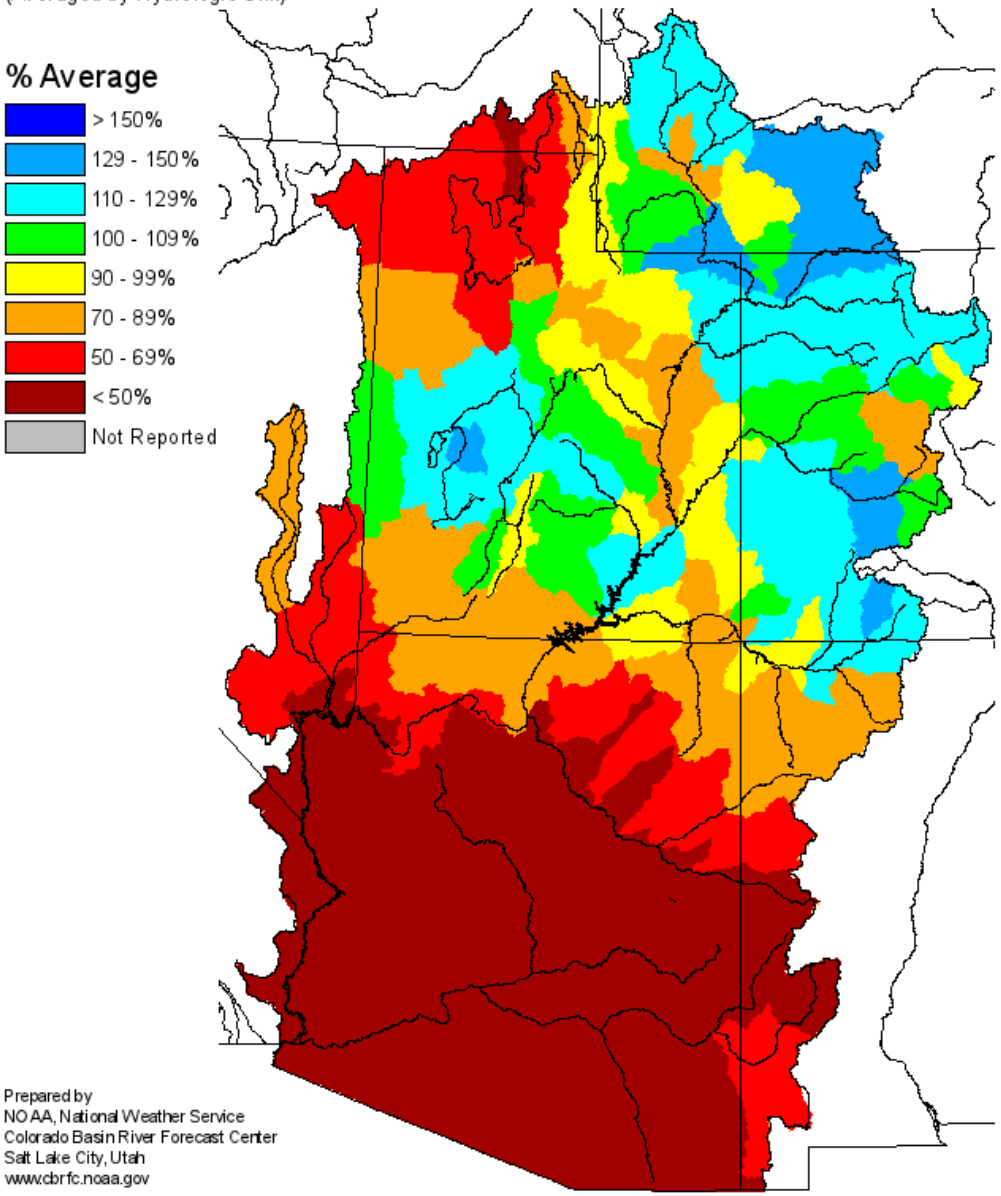
Precipitation	Current	Prev. Mo.
(Weighted Average 10/01/11 through 4/02/12)	79%	89%

Snowpack Water Equivalent		
(Weighted Average as of 4/02/12)	54%	81%

Unregulated Inflow into Lake Powell (March 19, 2012)	MAF	% of Avg.
2012 Apr-Jul Forecast	4.800	67%
2012 WY Forecast	8.250	76%

Monthly Precipitation for February 2012

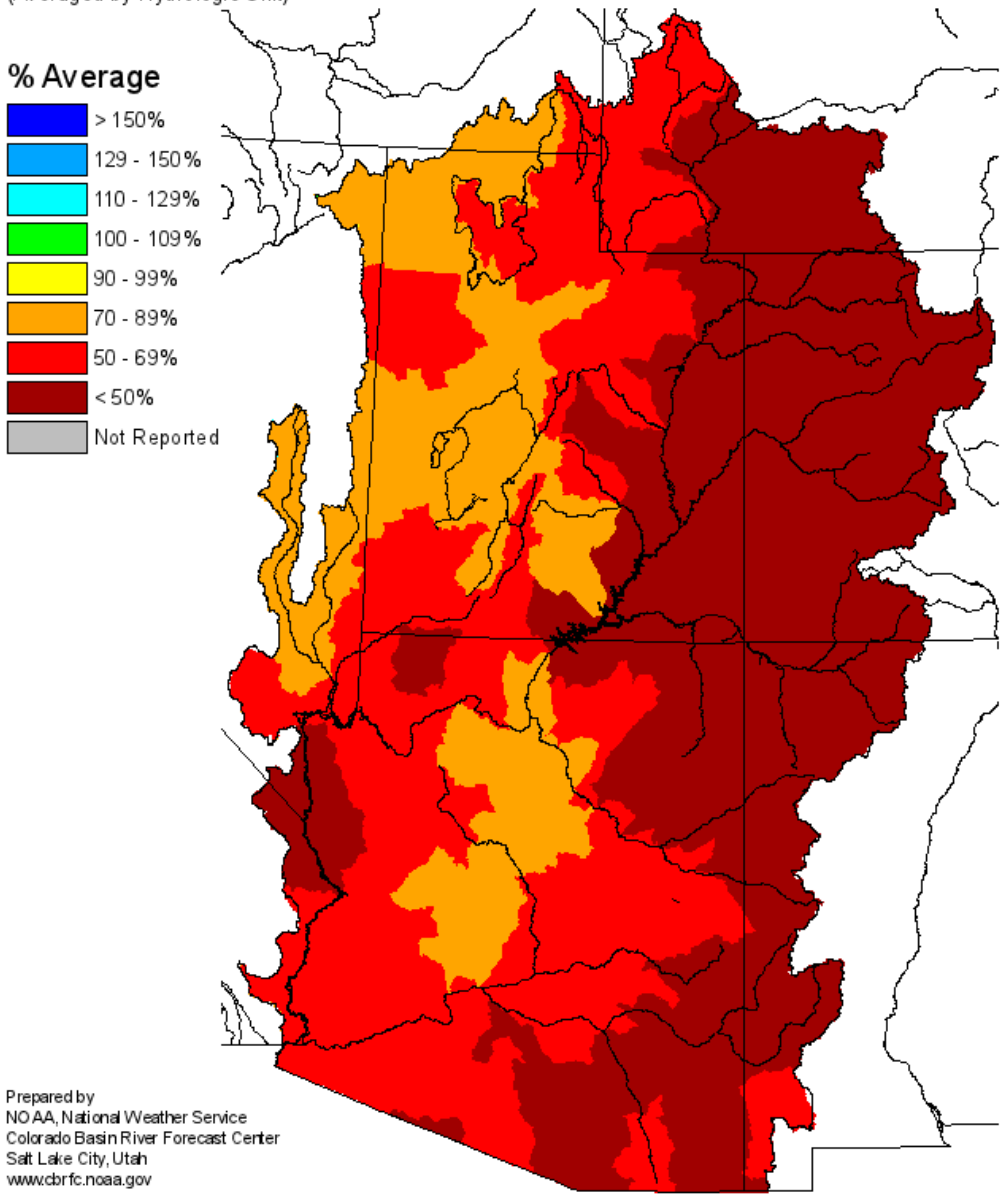
(Averaged by Hydrologic Unit)



Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Monthly Precipitation for March 2012

(Averaged by Hydrologic Unit)



Reservoir Storage

(As of April 2, 2012)

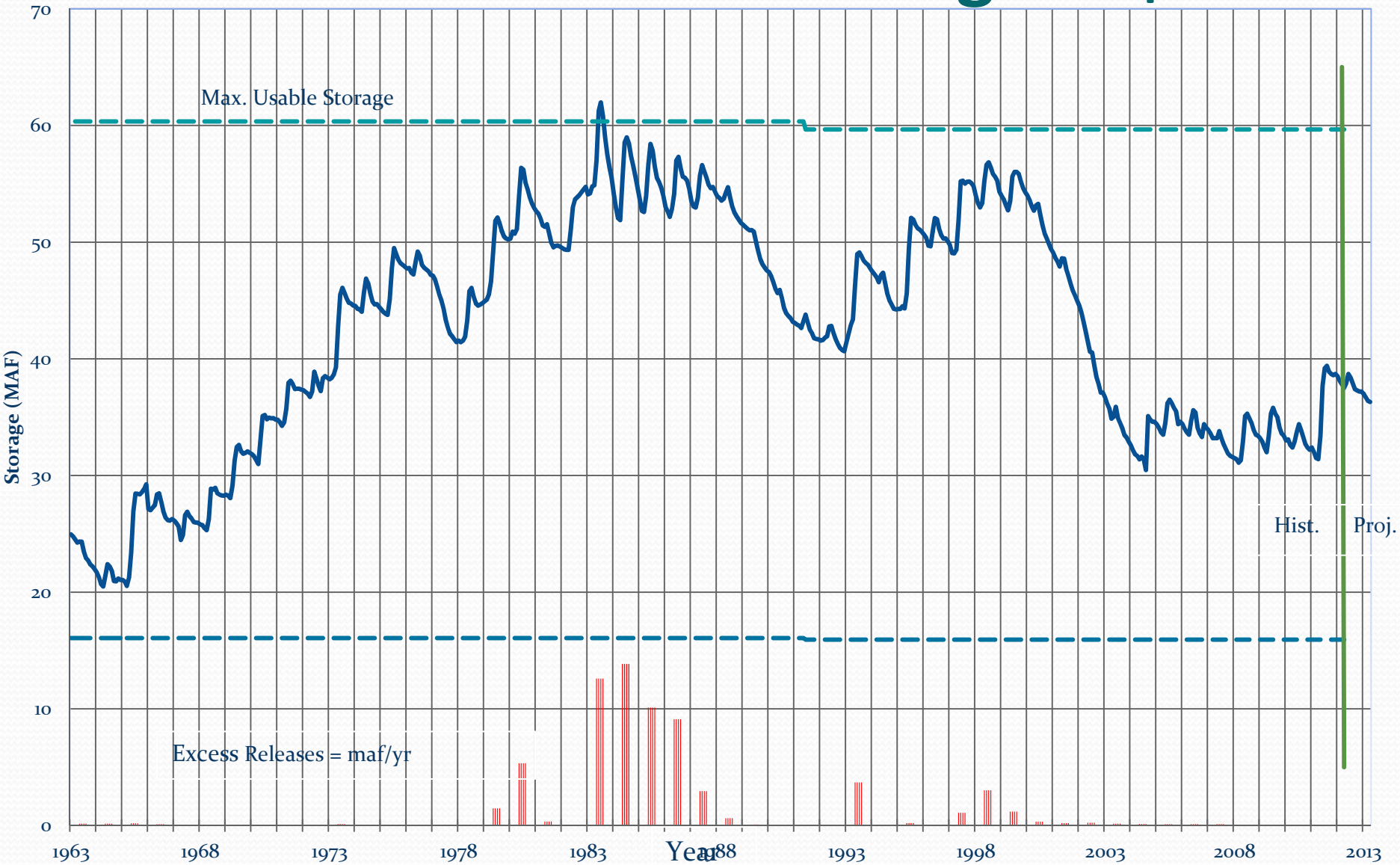
Reservoir	MAF	Elev. In Feet	% of Capacity
Lake Powell	15.46	3,635.4	64
Lake Mead	14.54	1,129.4	56
Total Sys. Storage	37.56	-	62
Sys. Storage Last Yr.	31.49	-	53

2012 Consumptive Use (USBR Estimate)

(Millions of Acre-Feet)

	2012	2011
Nevada (Total)	0.274	0.221
Arizona (Total)	2.852	2.785
California (Total)	4.249	4.315
Total LDS Use	7.375	7.321

Colorado River Basin Storage – Apr. 2012



State & Local Water Reports

Parker Dam and Lake Havasu

Tab 3

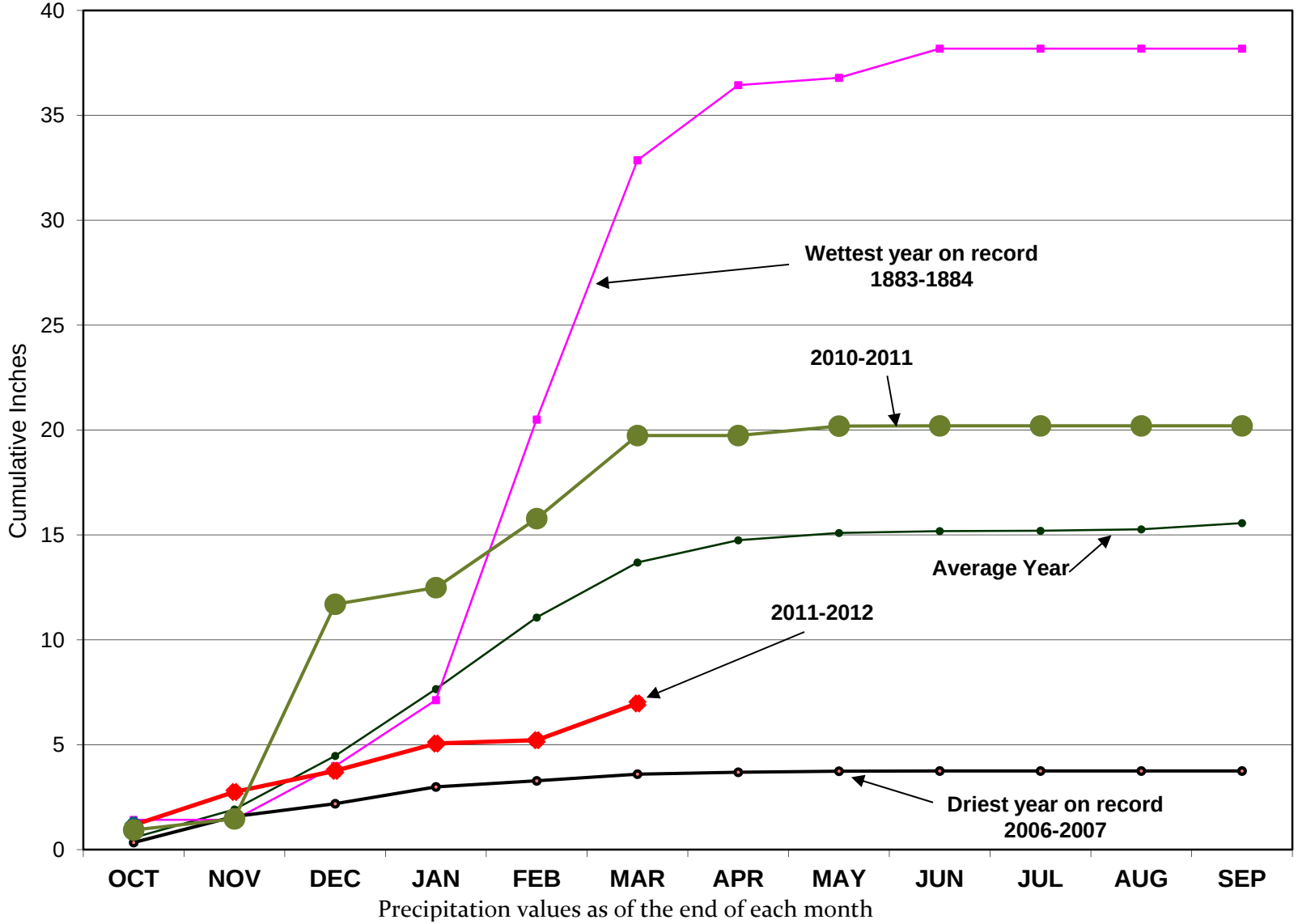
California Department of Water Resources Water Report – as of April 1, 2012

Mark Stuart, District Chief
California DWR
Southern District

Tab 3

Los Angeles Civic Center Precipitation

Data Used from 1877 to Present



Precipitation at Six Major Stations in Southern California

From October 1, 2011 to April 1, 2012

Precipitation in Inches

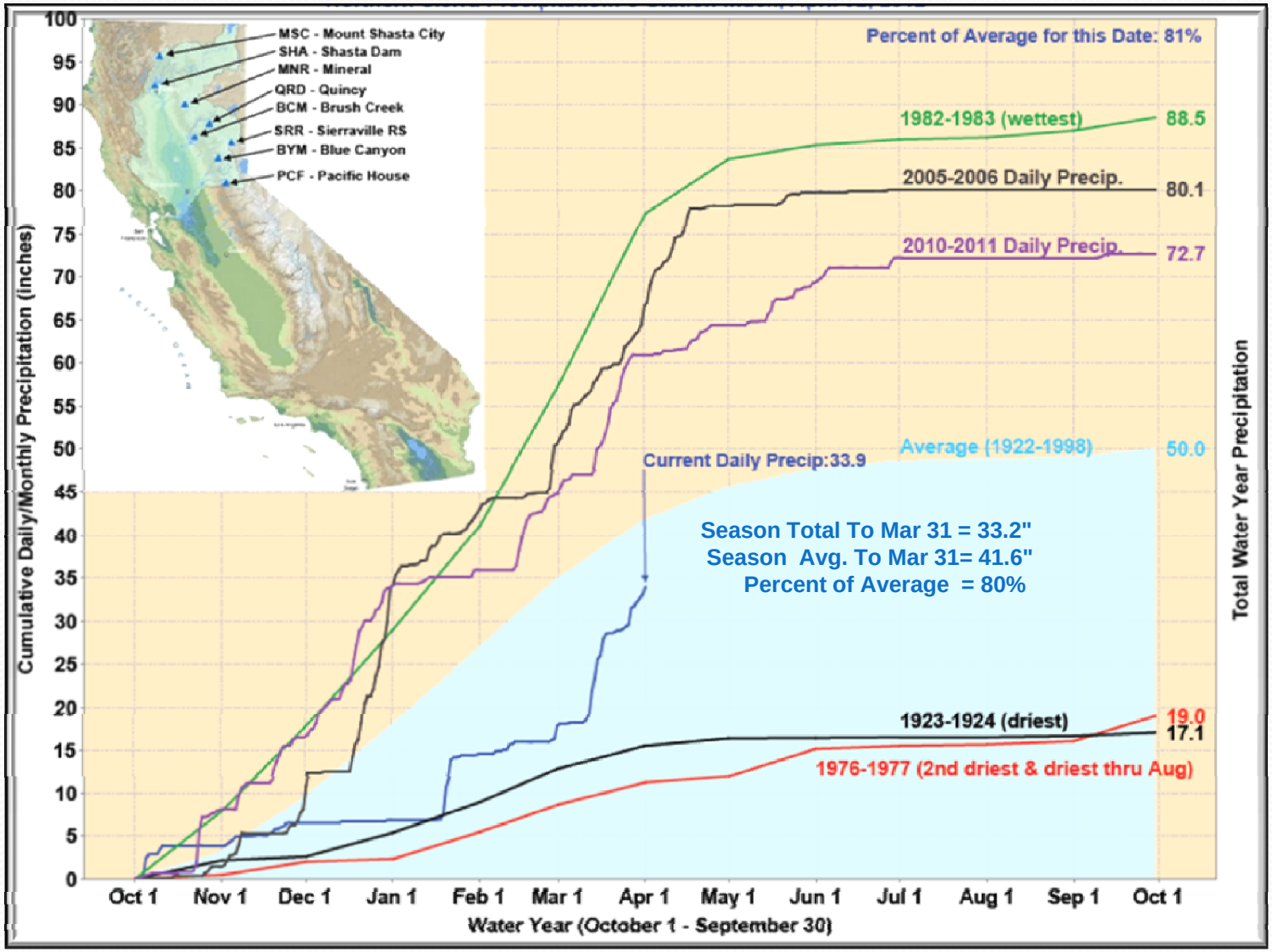
Station	Precipitation Mar	Precipitation Oct 1 to Apr 1	Average to Date	Percent of Average
San Luis Obispo	2.57	9.22	20.07	46%
Santa Barbara	0.08	6.10	15.88	38%
Los Angeles	1.75	6.97	13.69	51%
San Diego	0.65	4.27	8.87	48%
Blythe	0.19	1.11	2.42	46%
Imperial	0.00	0.61	2.06	30%

Statewide Summary of Water-Year Data

Water Year	Precipitation (233 Stations) % of avg.	Runoff (31 Rivers) % of avg.	Res. Storage (155 Reservoirs) % of avg.	Sacto. Riv. Run-off * (MAF)
2007-08	75	35	80	10.2
2008-09	80	65	80	12.9
2009-10	110	90	105	15.9
2010-11	135	145	130	15.1
Comparison of Water Year Data as of Apr 1				
2010-11	140	120	110	5.7
2011-12	70	50	105	12.6

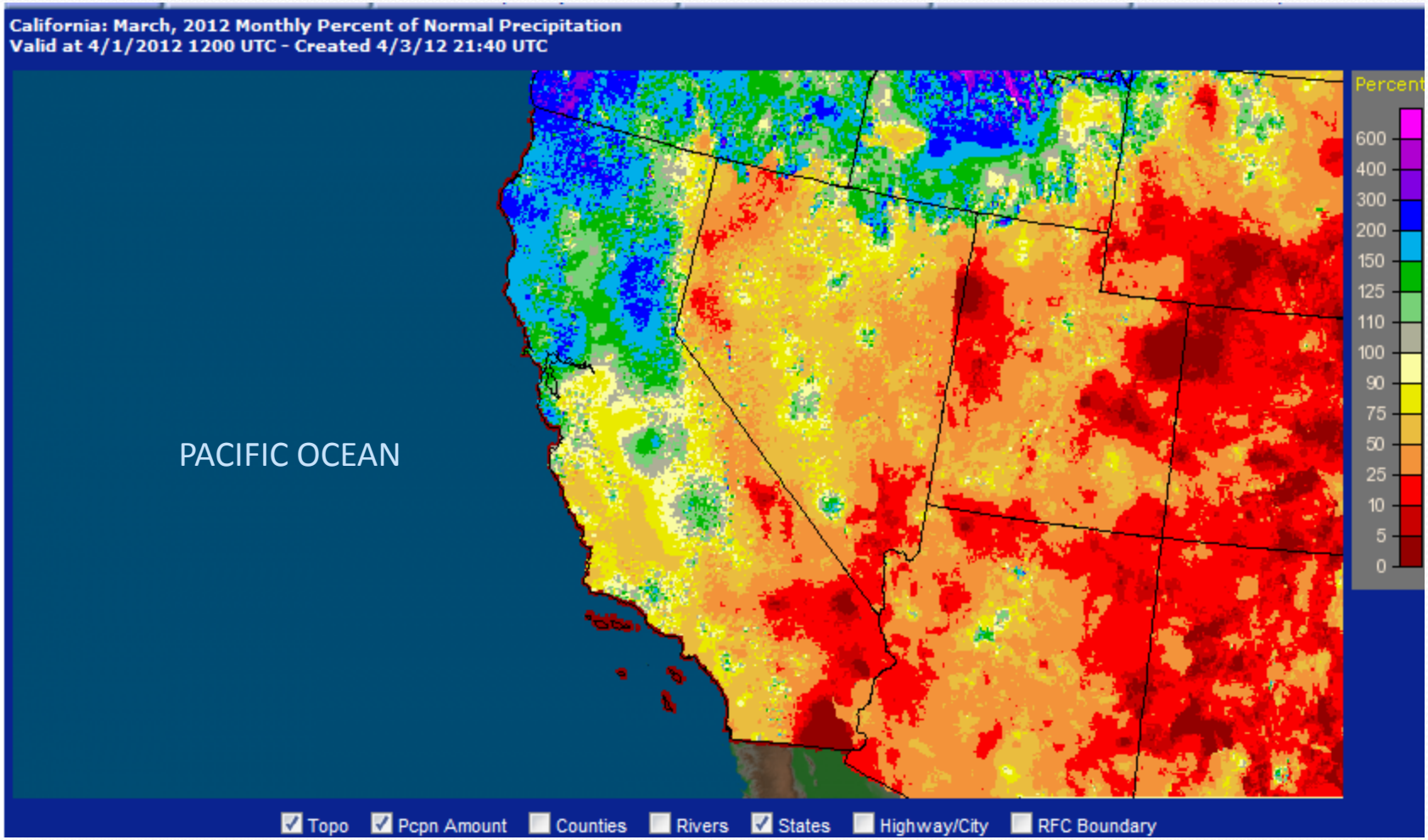
* The Sacramento River Run-off is the sum of the unimpaired water year flow from the Sacramento River above Bend Bridge near Red Bluff, Feather River inflow to Oroville, Yuba River at Smartville, and American River inflow to Folsom. The average annual run-off is 18.4 MAF.

Northern Sierra Precipitation-8 Station Index, April 02, 2012



California Data Exchange Center
http://cdec.water.ca.gov/cgi-progs/products/PLOT_ESI.2012.pdf

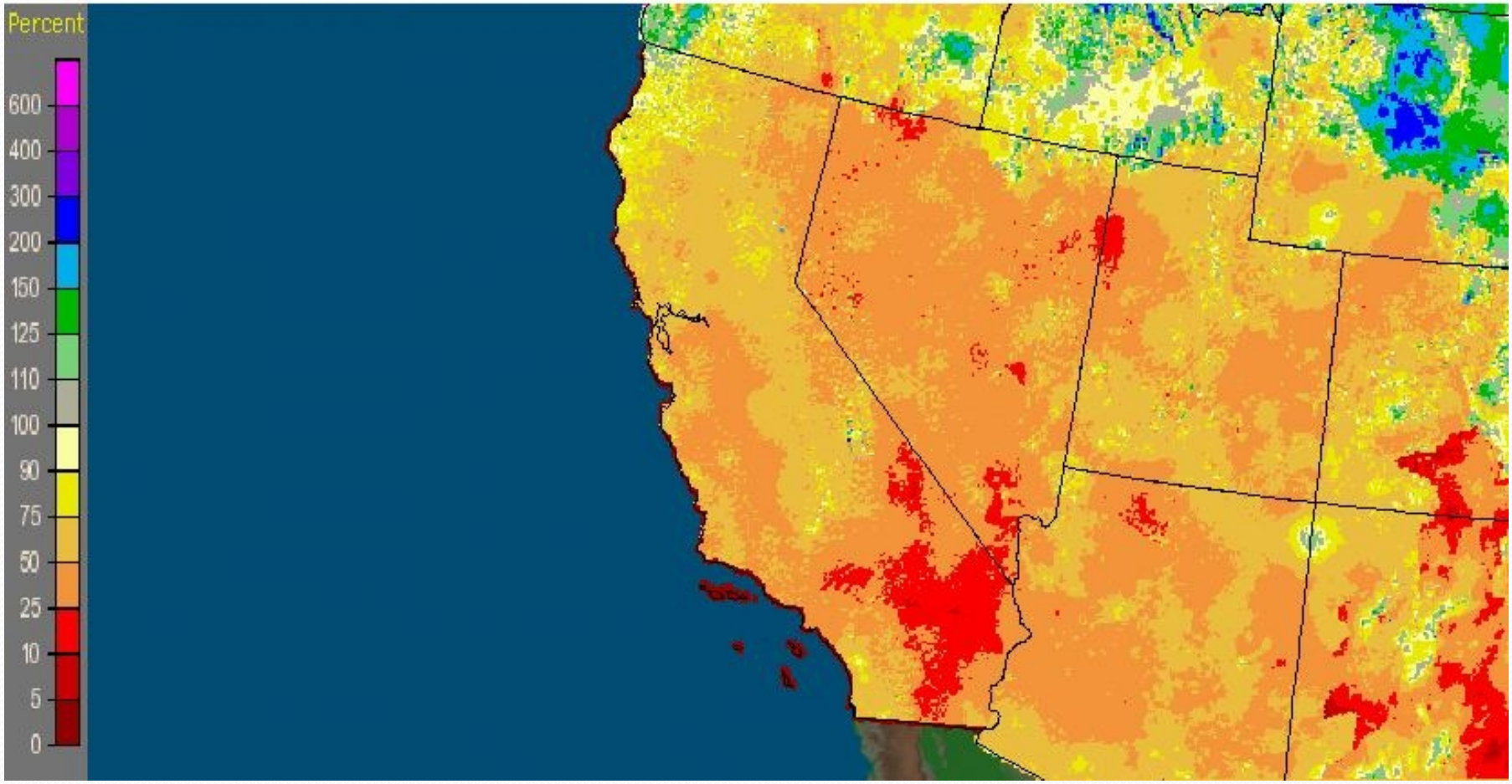
March 2012 – Percent of Normal Precipitation



National Weather Service –Advance Hydrologic Prediction Center
http://water.weather.gov/precip/

YTD-Percent of Normal Precipitation

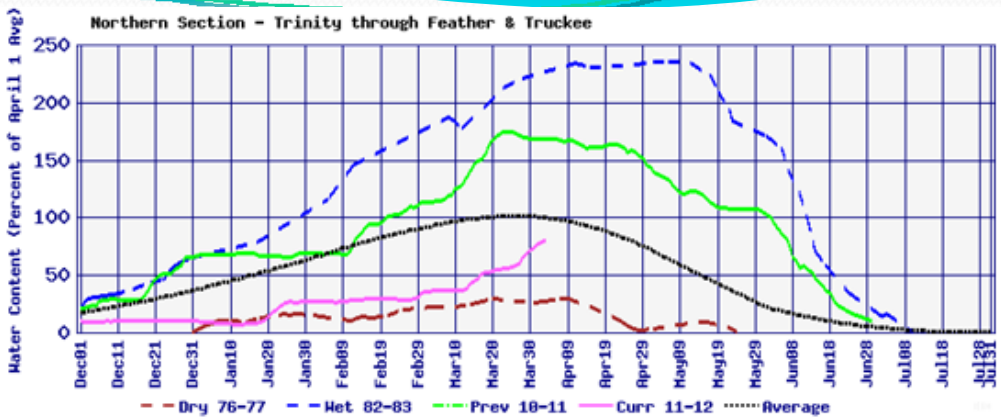
California: Current Water-Year (Oct 1) Percent of Normal Precipitation
Valid at 4/9/2012 1200 UTC- Created 4/9/12 17:54 UTC

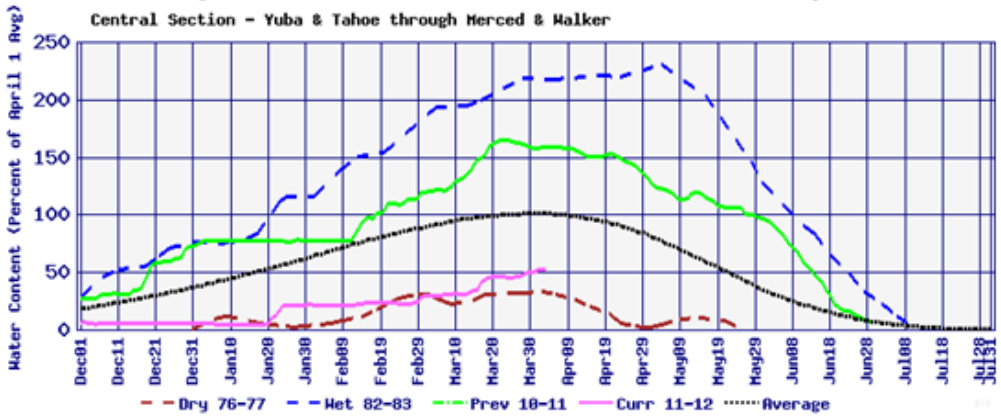


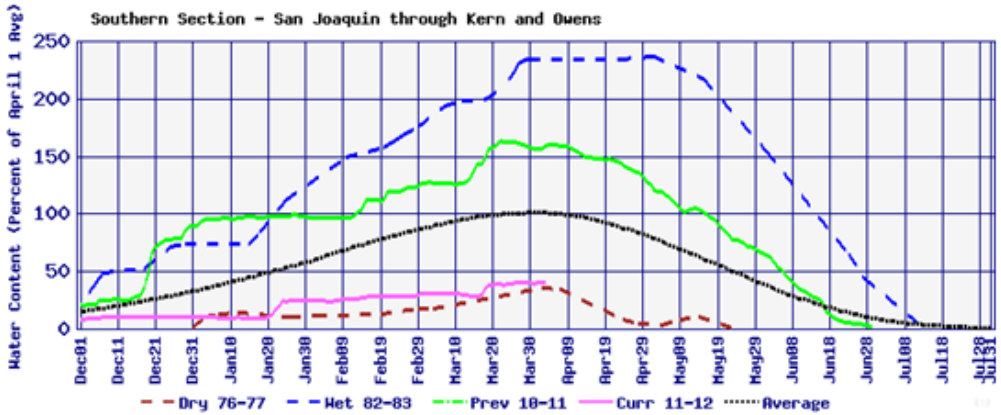
Snow Water Content

Percent of April 1 Average

(April 3, 2012)





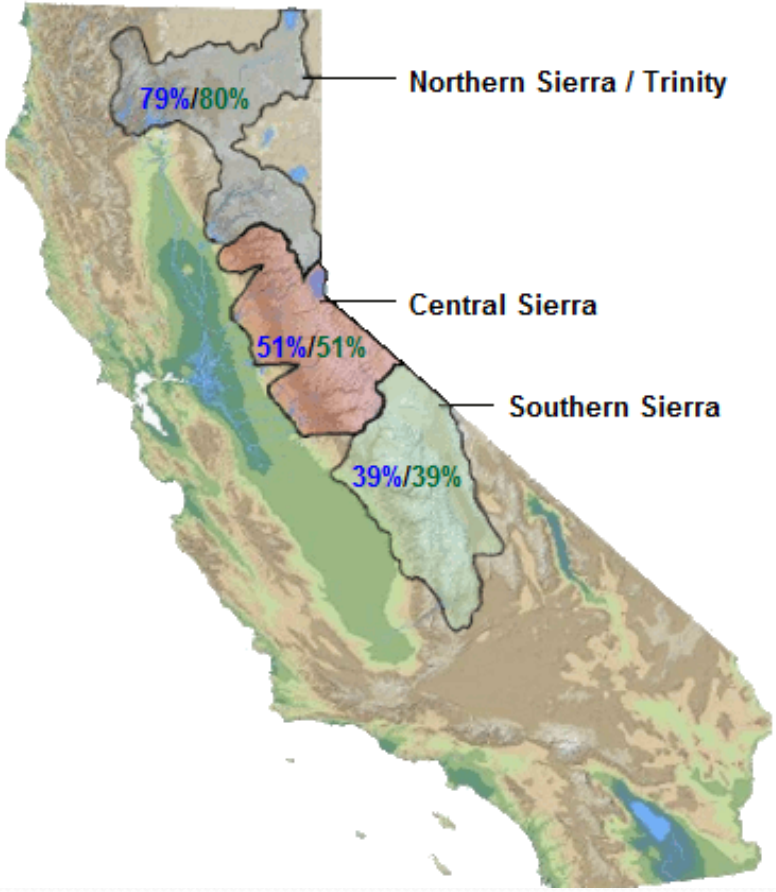


Snow Water Equivalents (inches)

Provided by the California Cooperative Snow Surveys

Data For: **03-Apr-2012**

% Apr 1 Avg. / % Normal for this Date



NORTH

Data For: 03-Apr-2012

Number of Stations Reporting	26
Average snow water equivalent	22.6"
Percent of April 1 Average	79%
Percent of normal for this date	80%

CENTRAL

Data For: 03-Apr-2012

Number of Stations Reporting	41
Average snow water equivalent	15.7"
Percent of April 1 Average	51%
Percent of normal for this date	51%

SOUTH

Data For: 03-Apr-2012

Number of Stations Reporting	28
Average snow water equivalent	9.9"
Percent of April 1 Average	39%
Percent of normal for this date	39%

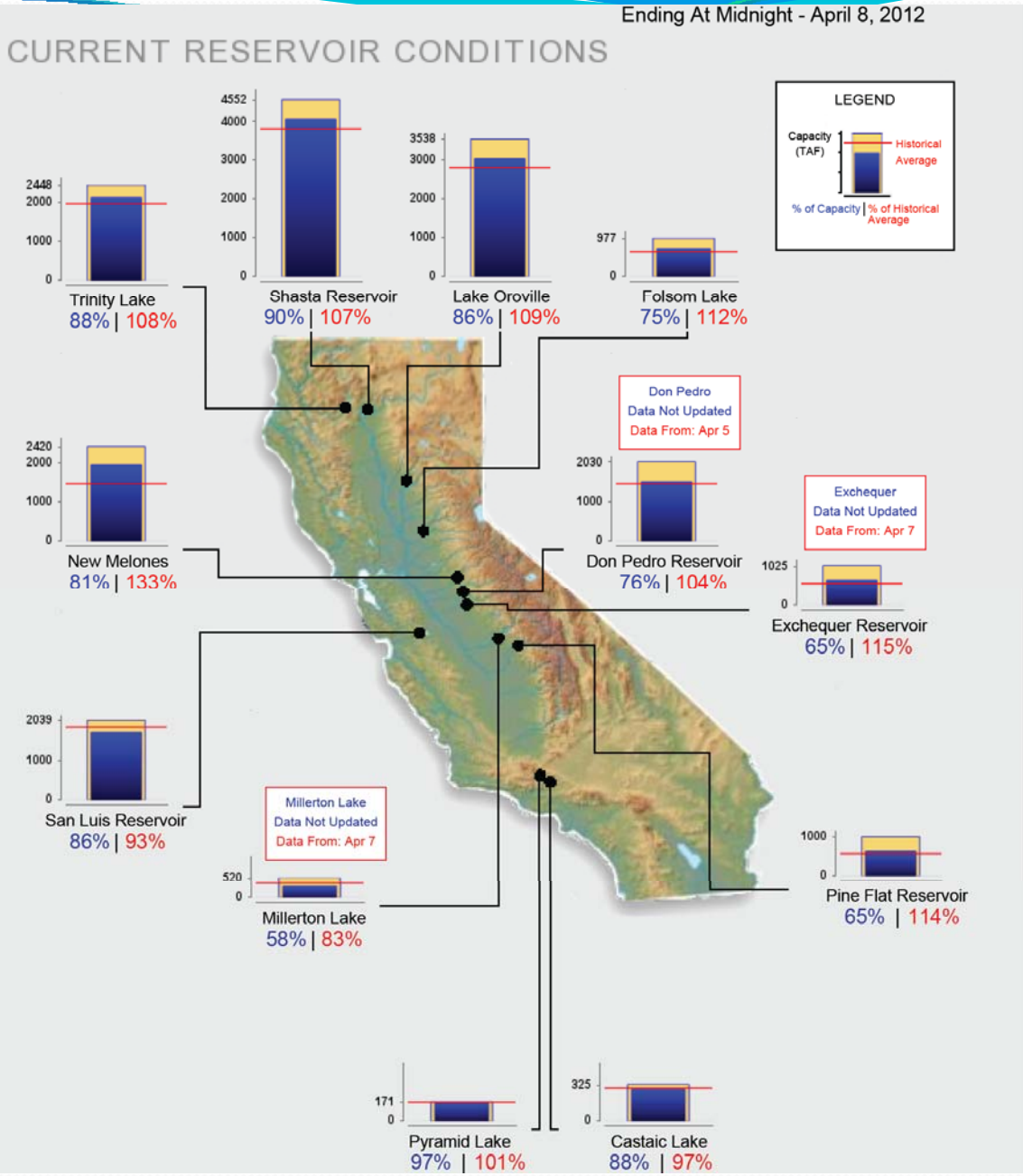
SWP Water Storage

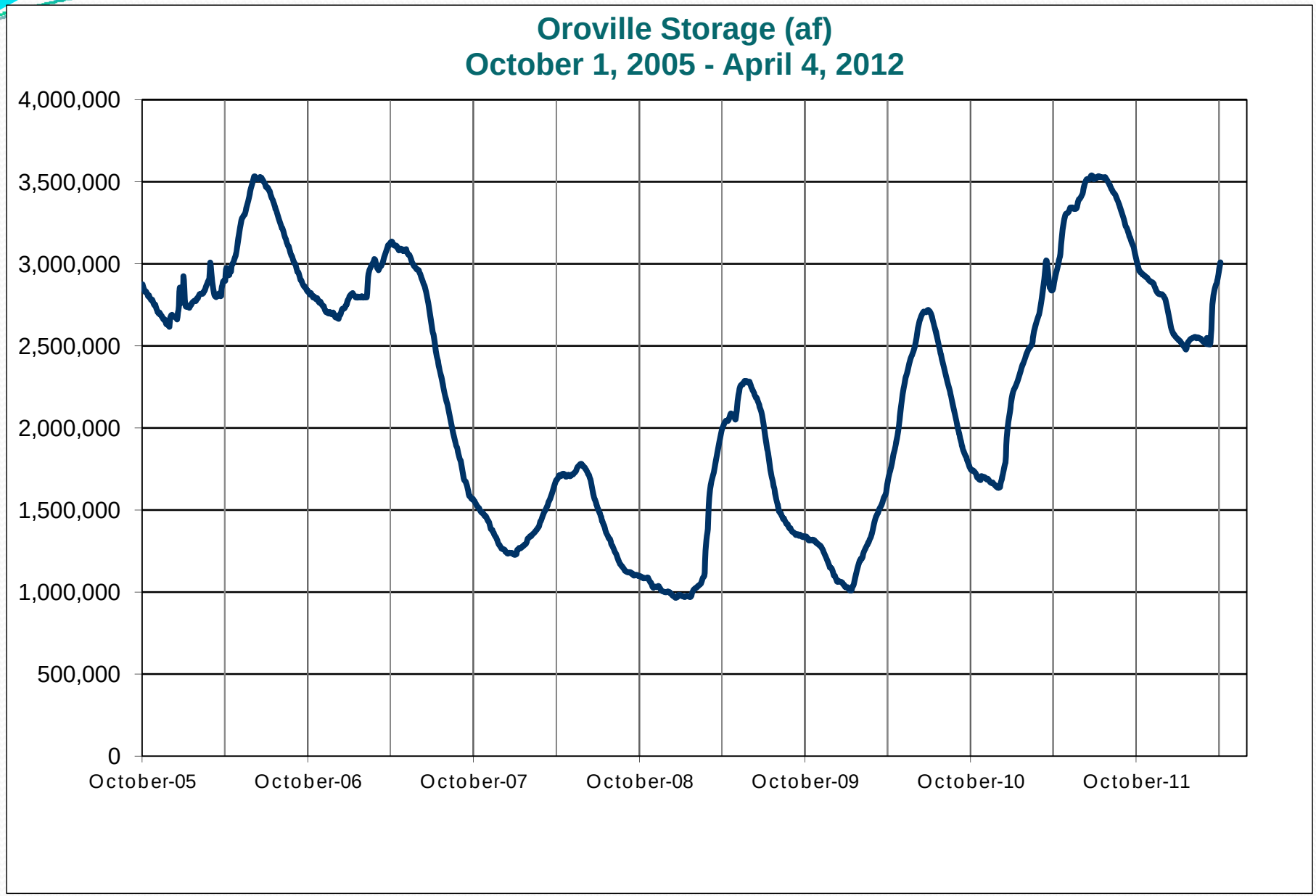
Comparison of Storage Apr 1, 2011 vs Apr 1, 2012		2011 SWP STORAGE (acre-feet)		2012 SWP STORAGE (acre-feet)	
Reservoir	Capacity	As of 4/1/2011	% of Cap.	As of 4/1/2012	% of Cap.
Frenchman	55,477	32,543	59%	45,499	82%
Lake Davis	84,371	60,774	72%	65,804	78%
Antelope	22,566	23,504	104%	22,085	98%
Oroville	3,521,797	2,847,571	81%	2,962,116	84%
TOTAL North	**3,684,211**	**2,964,392**	**80%**	**3,095,504**	**84%**
Del Valle	77,111	40,533	53%	28,699	37%
San Luis	1,062,180	1,067,648	101%	1,004,046	95%
Pyramid	169,901	167,613	99%	168,678	99%
Castaic	319,247	311,783	98%	291,039	91%
Silverwood	73,032	71,074	97%	69,435	95%
Perris	126,841	73,073	58%	74,103	58%
TOTAL South	**1,828,312**	**1,731,724**	**95%**	**1,636,000**	**89%**
TOTAL SWP	**5,512,523**	**4,696,116**	**85%**	**4,731,504**	**86%**

State Water Project Projected Deliveries:

On February 21, 2012, Table-A allocation decrease from 60% to 50%

Current Reservoir Conditions




Oroville Storage (af)
October 1, 2005 - April 4, 2012
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
October-05
October-06
October-07
October-08
October-09
October-10
October-11

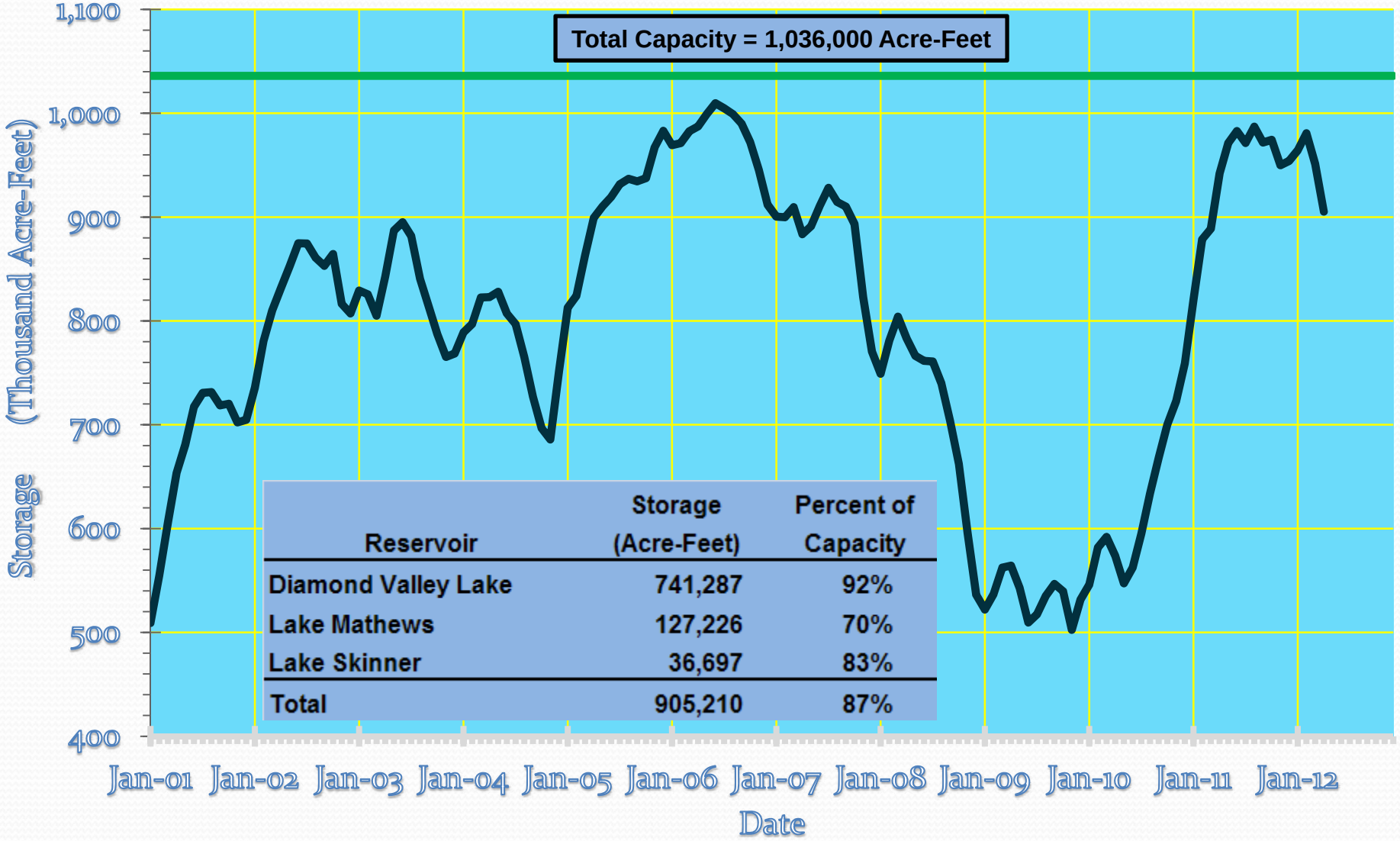
MWD Water Report

MWD's Diamond Valley Lake Pumping Plant Facility

Tab 3

MWD's Combined Reservoir Storage as of April 1, 2012

Lake Skinner, Lake Mathews, and Diamond Valley Lake



Reservoir	Storage (Acre-Feet)	Percent of Capacity
Diamond Valley Lake	741,287	92%
Lake Mathews	127,226	70%
Lake Skinner	36,697	83%
Total	905,210	87%

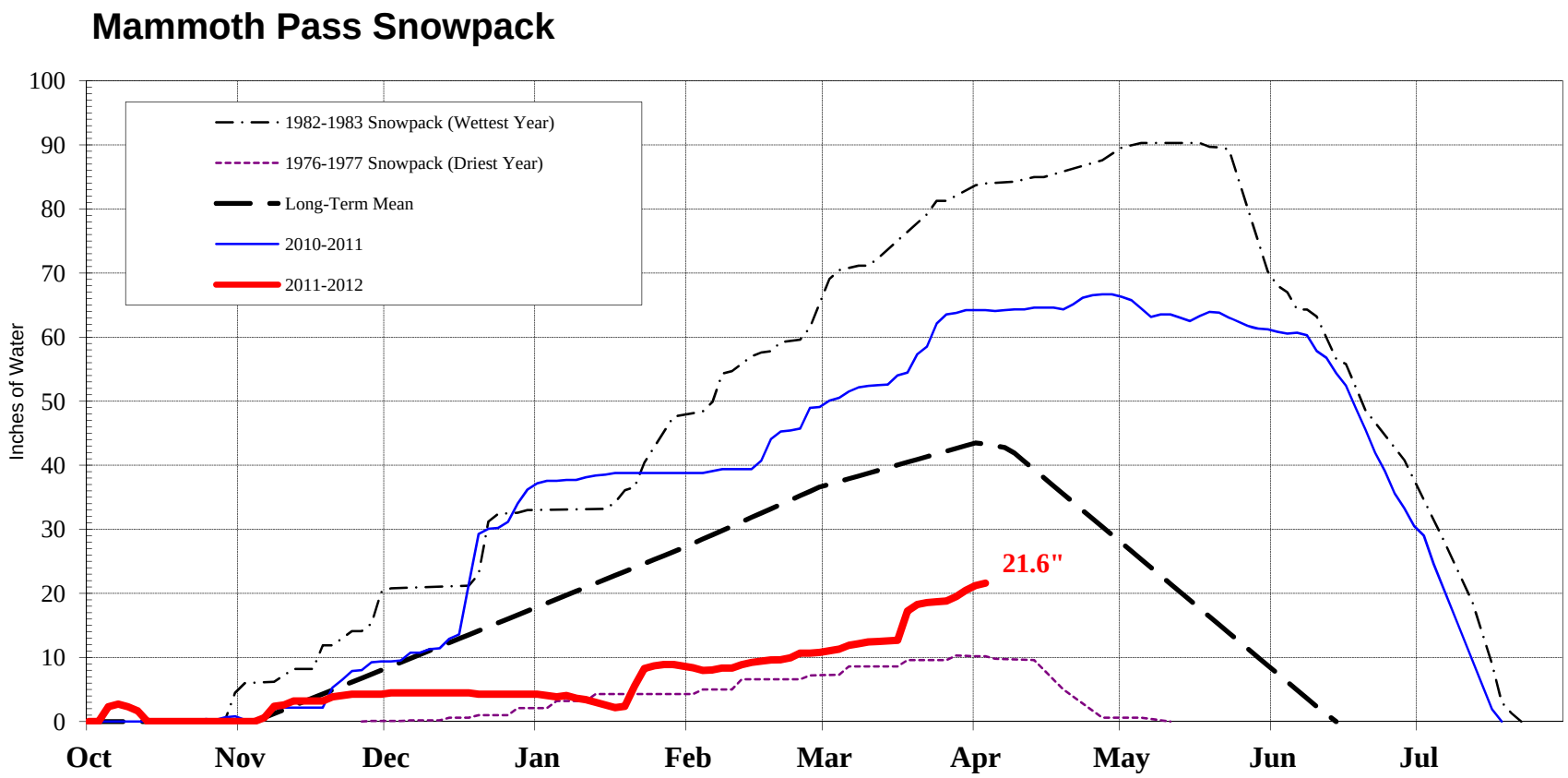
LADWP Water Report

LA Aqueduct, Cascades, Newhall Pass

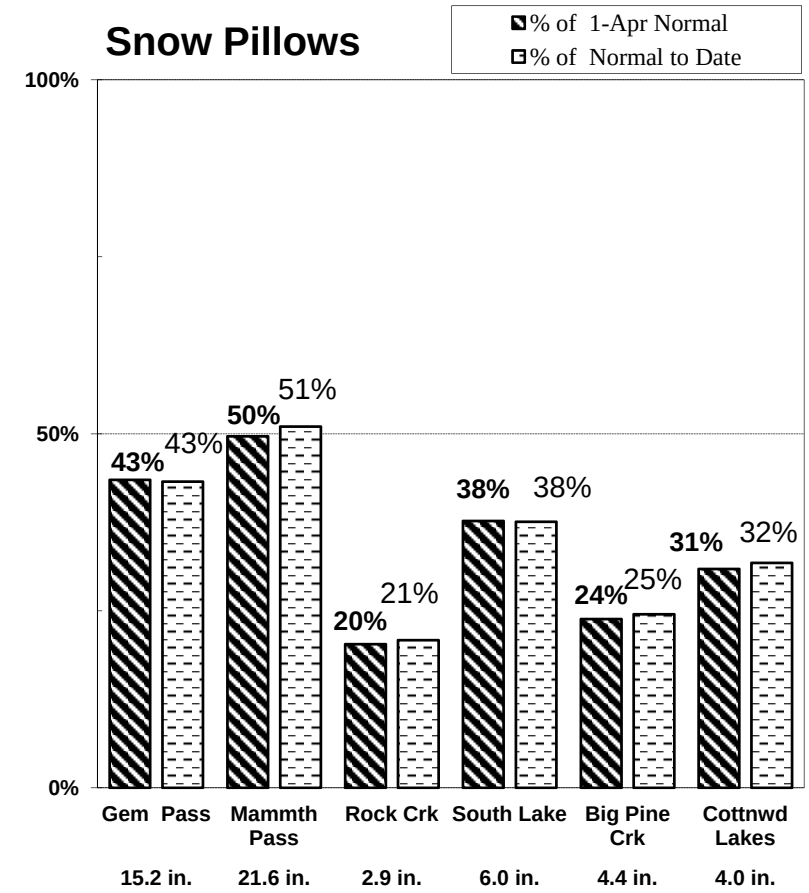
Storm-clouds over the Eastern Sierra and the LA Aqueduct near Lone Pine, California

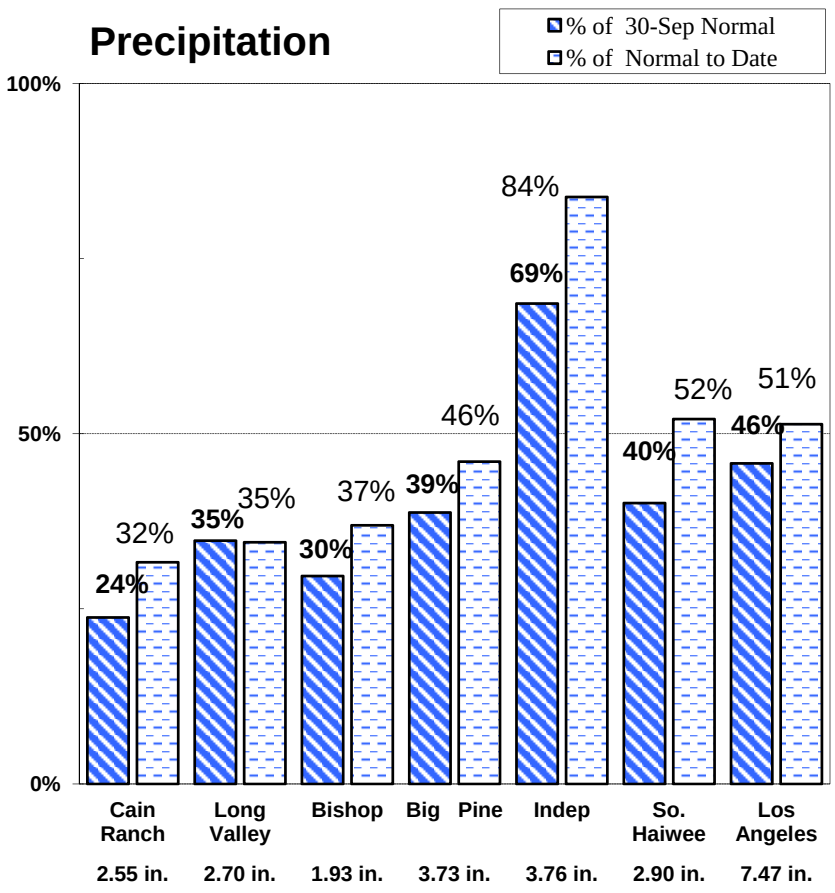
Tab 3

Eastern Sierra Current Precipitation Conditions April 3, 2012



Eastern Sierra Current Precipitation Conditions (as of April 3, 2012)





Colorado River Operations

Mohave Valley, Arizona-California

Palo Verde Weir & Diversion

Tab 4

Colorado River Basin Water Supply & Demand Study Report (Basin Study Report)

- As has been discussed at previous meetings, USBR and the Project Team sought and solicited public input and suggestions associated with potential options and strategies to help resolve future basinwide water supply and demand imbalances
- A total of 139 options/strategies were received—
  - 21 options were submitted by members of the Project Team, and
  - 118 options were submitted by the public
- Currently the Project Team is working on developing the "Project Types" and "Categories" that each of the submitted options and strategies can then be included within for further analysis and evaluation
- The Project is still on schedule to have the final Basin Study Report published in July 2012

USBR Verification of MWD 2010 Creation of Extraordinary Conservation ICS

- On September 8, 2011, MWD submitted its 2010 Certification Report for Extraordinary Conservation Intentionally Created Surplus (EC ICS)
- The 100,864 AF of EC ICS was created through the MWD-funded PVID Forbearance and Fallowing Program
- This amount does not reflect the one-time five percent 'cut' for the System pursuant to Section 3.B.2 of the 2007 Guidelines
- USBR acknowledged MWD's creation of the 100,864 AF of EC ICS in its March 29th letter approving the creation of the ICS

USBR's Approval of MWD's 2012 Plan for Creation of Extraordinary Conservation ICS

- On July 25, 2011, MWD submitted its 2012 Plan for the Creation of Conservation Intentionally Created Surplus (ICS Plan)
- On March 29, 2012, USBR approved MWD's proposal to create up to 200,000 AF of EC ICS water supply during calendar year 2012—
  - PVID Forbearance & Fallowing Program—Up to 116,000 AF
  - IID Water Conservation Program—Up to 105,000 AF
  - MWD-funded Water Supply from Desalination—Up to 56,300 AF

Basin States Discussions

Status of Binational Discussions--U.S. & Mexico

- **Mexico has recently indicated that it will be sharing a counter-proposal to the draft U.S. Minute that was sent to Mexico in February 2012**
- **A meeting between the two countries was held on April 10th in Juarez, Mexico**
- **USBR Commissioner Connor is expected to share details about the Mexican counter-proposal in a conference call on April 11th**
- **The Basin States Technical Group is scheduled to meet on April 20th to review the Mexican counter-proposal and outline next steps**
- **Additionally, work continues on a series of important and related agreements that need to be in place *prior* to execution of Minute 319 between the U.S. and Mexico—**
  - **The 2012 Lower Colorado River Basin Forbearance Agreement for Binational Intentionally Created Surplus;**
  - **Exhibit A to the Forbearance Agreement covering the Binational Intentionally Created Surplus Pilot Project;**
  - **Interim Operating Agreement for Implementation of Minute 319; and the**
  - **Domestic Protocol for Minute 319**

Water Quality and Environmental Activities

Razorback sucker

Moab Uranium Mill-Tailings Site

Jet-tube release from Glen Canyon Dam

Status of the Long-Term Experimental and Management Plan EIS for Glen Canyon Dam (LTEMP)

- The Basin states have agreed to develop an Alternative for analysis and evaluation in the LTEMP EIS process
- The Basin states, WAPA, and several contract scientists have prepared a preliminary outline and schedule associated with development of a Basin states' LTEMP EIS Alternative
- Currently, the states are proposing to have the alternative readied for submittal by May 30th
- A copy of the preliminary schedule for development of the Basin states' alternative has been included in the Board folder

Status of the LTEMP EIS Process (cont.)

- **On March 22nd, the Basin states formally requested an extension of time to prepare the Basin states' LTEMP EIS Alternative**
- **On April 3rd, USBR and NPS, as EIS co-leads, responded and informed the Basin states that alternatives will be accepted after the original April 11th deadline, and that USBR and NPS are continuing to "…*assess the appropriate period of additional time that would facilitate subsequent input from stakeholders*…"**
- **The states and WAPA are holding a conference call on April 12th to continue working on developing a proposed Basin states' LTEMP EIS Alternative**

Colorado River Basin Salinity Control Program

- The Colorado River Basin Salinity Control Program's Forum and several of the Basin states recently submitted written testimony in support of federal agency budget requests to various congressional resources and appropriations committees and subcommittees
- Generally, the federal agency budget requests supported by the testimony is consistent with the level of effort identified in the Program's 2011 Triennial Review and adopted Plan of Implementation
- In the Board's letters of support for the federal agencies (i.e., USBR, USDA, and BLM), the testimony specifically supported budget requests of—
  - $14.5 million for the Reclamation's Basin-wide Salinity Control Program;
  - $18 million annually for USDA's EQIP Program for Basinwide salinity control; and
  - $5.2 million for BLM to assist in the Colorado River Basin Salinity Control Program
- Representative letters of testimony have been included in the Board folder

Status of the Moab Uranium Mill Tailings Remedial Action Project

- DOE has moved approximately one-third (5 million tons) of the 16 million tons of mill tailings
- DOE ships one train load 4 days/week
- Each train has 36 cars, with lidded containers, at 5,000 tons per shipment (or, 20,000 tons/week)
- Based upon current funding levels, shipments are expected to continue through 2025

Next Meeting

Belted Kingfisher (*Ceryle alcyon*)

May 9, 2012

10:00 a.m. PDT

Holiday Inn Ontario Airport

2155 East Convention Center Way

Ontario, California

Six Agency Committee Meeting

Coachella Valley Water District

San Diego County Water Authority

Colorado River Authority

CRA