

**COLORADO RIVER BOARD OF CALIFORNIA**

770 FAIRMONT AVENUE, SUITE 100  
GLENDALE, CA 91203-1068  
(818) 500-1625  
(818) 543-4685 FAX



February 1, 2013

**NOTICE OF REGULAR MEETING OF THE  
COLORADO RIVER BOARD**

**NOTICE IS HEREBY GIVEN** pursuant to the call of the Chairperson, Dana B. Fisher, Jr., by the undersigned, the Executive Director of the Colorado River Board of California, that a regular meeting of the Board Members is to be held as follows:

Date: February 13, 2013, Wednesday
Time: 10:00 a.m.
Place: Vineyard Room Holiday Inn Ontario Airport 2155 East Convention Center Way Ontario, CA 91764-4452 TEL: (909) 212-8000, FAX: (909) 418-6703

The Colorado River Board of California welcomes any comments from members of the public pertaining to items included on this agenda and related topics. Oral comments can be provided at the beginning of each Board meeting; while written comments may be sent to Mr. Dana B. Fisher, Jr., Chairperson, Colorado River Board of California, 770 Fairmont Avenue, Suite 100, Glendale, California, 91203-1068.

An Executive Session may be held in accordance with provisions of Article 9 (commencing with Section 11120) of Chapter 1 of Part 1 of Division 3 of Title 2 of the Government Code and in accordance with Sections 12516 and 12519 of the Water Code to discuss matters concerning interstate claims to the use of Colorado River System waters in judicial proceedings, administrative proceedings, and/or negotiations with representatives from other states or the federal government.

Requests for additional information may be directed to: Ms. Tanya M. Trujillo, Executive Director, Colorado River Board of California, 770 Fairmont Avenue, Suite 100, Glendale, CA 91203-1068, or 818-500-1625. A copy of this Notice and Agenda may be found on the Colorado River Board's web page at [www.crb.ca.gov](http://www.crb.ca.gov).

A copy of the meeting agenda, showing the matters to be considered and transacted. is attached.

A handwritten signature in black ink, appearing to read "Tanya Trujillo".

Tanya M. Trujillo  
Executive Director

attachment: Agenda

Regular Meeting  
COLORADO RIVER BOARD OF CALIFORNIA  
February 13, 2013, Wednesday  
10:00 a.m.

Vineyard Room  
Holiday Inn Ontario Airport  
2155 East Convention Center Way  
Ontario, CA 91764-4452

**A G E N D A**

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated upon and may be subject to action by the Board. Items may not necessarily be taken up in the order shown.

1. Call to Order
2. Opportunity for the Public to Address the Board (Limited to 5 minutes)  
As required by Government Code, Section 54954.3(a)
3. Administration
  - a. Minutes of the Meeting held December 12, 2012, Consideration and Approval (**Action**)
  - b. New Board Member Information
4. Protection of Existing Rights
  - a. Colorado River Water Report(s)  
Report on current reservoir storage, reservoir releases, projected water use, forecasted river flows, scheduled deliveries to Mexico, and salinity
  - b. State and Local Water Reports  
Reports on current water supply and use conditions
  - c. Colorado River Operations
    - Resignation of Secretary of the Department of the Interior Ken Salazar
    - Revised Schedule of Calendar Year 2012 Water Deliveries to Mexico
    - Minute 319 Updates and Next Steps
    - Basin Study Next Steps
    - Report on the Status of the Lower Colorado Water Supply Project
    - Approval of Lower Colorado Water Supply Project Applications (**Action**)
5. Executive Session  
An Executive Session may be held by the Board pursuant to provisions of Article 9 (commencing with Section 11120) of Chapter 1 of Part 1 of Division 3 of Title 2 of the Government Code and Sections 12516 and 12519 of the Water Code to discuss matters concerning interstate claims to the use of Colorado River system waters in judicial proceedings, administrative proceedings, and/or negotiations with representatives from other states or the federal government.

## **Agenda (continued)**

### 6. Other Business

- a. Next Board Meeting: Regular Meeting  
March 13, 2013, Wednesday, starting 10:00 a.m.  
Holiday Inn Ontario Airport  
2155 East Convention Center Way  
Ontario, CA 91764-4452  
TEL: (909) 212-8000, FAX: (909) 418-6703

3.a. – Approval December 12, 2012 Board Meeting Minutes

Minutes of Special Meeting  
COLORADO RIVER BOARD OF CALIFORNIA  
Wednesday, December 12, 2012

A Special Meeting of the Colorado River Board of California (Board) was held in the Augustus Ballroom I, of Caesars Palace Hotel, at 3570 Las Vegas Boulevard South, Las Vegas, Nevada 89109-8924, Wednesday, December 12, 2012.

Board Members and Alternates Present

Dana Bart Fisher, Jr., Chairman  
James Cleo Hanks  
W.D. "Bill" Knutson  
Henry Merle Kuiper  
John Palmer Powell  
Bill D. Wright

Jeanine Jones, Designee  
Department of Water Resources  
  
Christopher G. Hayes, Designee  
Department of Fish and Game

Board Members and Alternate Absent

John V. Foley  
Terese Marie Ghio  
James B. McDaniel

John Pierre Menvielle  
David R. Pettijohn

Others Present

Autumn Ashurst  
Don A. Barnett  
Stephen W. Benson  
Gary A. Bryce  
Brenda Burman  
Fred Cagle  
John Penn Carter  
J.C. Jay Chen  
Michael J. Cohen  
David De Jesus  
Ron Derma  
Matt Dessert  
Charles T. Du Mars  
Jim Edwards  
Terry J. Fulp  
Leslie M. Gallagher  
John Giambastiani  
William J. Hasencamp  
Mark J. Hattam

Thomas C. Havens  
Timothy J. Henley  
Andy G. Horne  
Richard Johnson  
Jill Johnson  
Kevin E. Kelley  
Jeffery V. Kightlinger  
Mark Limbaugh  
Carlos Madrid  
Jan P. Matusak  
Craig Morgan  
John Morris  
Peter Nelson  
David Osias  
David Palumbo  
Roger K. Patterson  
Lowell Pimloy  
Halla Razak  
Randy A. Record

Dan Robinson  
Marcia Scully  
Jack Seiler  
Tina L. Shields  
Jesse P. Silva  
Peter S. Silva  
Robert Snow  
Ed W. Smith  
Joanna Smith  
Tanya M. Trujillo  
Deven Upadhyay  
Joseph A. Vanderhorst  
Mark Van Vlack  
David Vigil  
Manu Watton  
Meena Westford  
Michael Yu  
Gerald R. Zimmerman

## **CALL TO ORDER**

Chairman Fisher welcomed the audience and announced a quorum was present, then called the meeting to order at 3:15 p.m.

## **OPPORTUNITY FOR THE PUBLIC TO ADDRESS THE BOARD**

Chairman Fisher asked if there was anyone in the audience who wanted to address the Board on items on the agenda or matters related to the Board. Hearing none, Chairman Fisher moved to the next agenda item.

## **ADMINISTRATION**

### Approval of Minutes

Chairman Fisher requested the approval of the November 14<sup>th</sup> meeting minutes. Mr. Knutson moved that the minutes be approved. Mr. Kuiper seconded the motion. Mr. James Cleo Hanks abstained, the remaining Board members approved the November 14<sup>th</sup> meeting minutes.

### 2013 Board Meeting Schedule

Chairman Fisher requested that the meeting schedule, included in the Board folder, for calendar year 2013 be approved by the Board. On the motion of Mr. Knutson, seconded by Mr. Wright, and unanimously carried, the Board approved the meeting schedule for 2013.

### Resolution Commemorating the Colorado River Board's 75<sup>th</sup> Anniversary

Executive Director Trujillo reported that the Colorado River Board was formed by California State statute in 1937. Ms. Trujillo reported that upon review of some of the Board's earliest minutes she found the Board discussed funding, management, Upper and Lower Basin, and U.S. Mexico issues and so for 75 years the Board has continued to work on these issues. Ms. Trujillo reported that Mr. Zimmerman led the Board for the past 21 years. Many of the past successes are due to Mr. Zimmerman's leadership of the Board. Ms. Trujillo reported that the proposed resolution recognizes that the Board was involved in framing the law of the River, participated in the development of criteria rules and procedures for management of the river system and operation of the reservoirs. The Board also participated in addressing endangered species and other significant water supply challenges. The Board's Resolution resolves to commemorate its 75<sup>th</sup> anniversary and acknowledges the hard work and service of past and present Board members and staff, and further resolves to challenge itself and future Board members and staff to build upon the past 75 years and make the next 75 years even more significant to California, its agencies and citizens, who rely upon the Colorado River for water supply, recreation, environmental benefits, and economic security. Chairman Fisher asked if there was a motion to approve the Resolution commemorating the Board's 75<sup>th</sup> anniversary. Ms. Jones made the motion that the Resolution be approved, Mr. Wright seconded the motion, and the Board unanimously approved the Resolution commemorating the Board's 75<sup>th</sup> anniversary.

## PROTECTION OF EXISTING RIGHTS

### Colorado River Water Report

Ms. Trujillo reported that precipitation in the Colorado River Basin, as of December 1<sup>st</sup>, was about 63 percent of average. The snowpack water equivalent as of December 3<sup>rd</sup> was 61 percent of average. The observed April 2012 through July 2012 unregulated flow into Lake Powell was 2.06 million acre-feet (maf), or 29 percent of average. The observed 2012 water year unregulated flow into Lake Powell was 4.91 maf, or 45 percent of average. Ms. Trujillo reported that the current drought map indicated the continuation of dire drought conditions covering much of the U.S., and noted that various federal agencies were meeting in Washington D.C., December 12<sup>th</sup>, to discuss the drought.

Ms. Trujillo reported that, as of December 1<sup>st</sup>, the storage in Lake Powell was 13.8 maf, or 54 percent of capacity. The water surface elevation was 3,615.1 feet. The storage in Lake Mead was 13.33 maf, or 52 percent of capacity, and water surface elevation was 1,117.2 feet. Total System storage was about 33.34 maf, or 55 percent of capacity.

Ms. Trujillo reported that Reclamation's projected consumptive use (CU) for the State of Nevada to be under its basic entitlement of 300,000 acre-feet (i.e. 244,000 af), and Arizona CU of Colorado River water to be slightly under its 2.8 maf apportionment (i.e. 2.796 maf), and California CU is projected to be slightly over its 4.4 maf apportionment (i.e. 4.434 maf). The CU in the Lower Basin is expected to be about 7.474 maf.

### State and Local Water Reports

Ms. Jones, of the California Department of Water Resources (CDWR), stated that in the Northern Sierra Precipitation Eight-Station Index is currently above the wettest year on record. However, it is very early in the water year and the long-range forecast from both the NOAA Climate Prediction Center and academics retained by CDWR call for seasonal conditions in the northern part of California to be drier than average and southern California to be about average. Though there's been a lot of rain, the last series of storms have been warm so there isn't much of a snowpack. Currently reservoirs are at 100 percent of normal so most of the reservoirs are in flood control operations. Reservoir filling operations will be expected to resume April 1<sup>st</sup>.

Mr. Wright, of The Metropolitan Water District of Southern California (MWD), reported MWD's combined reservoir storage is about 867,500 acre-feet or 84 percent of capacity. The Colorado River Aqueduct was on a one-pump flow to perform maintenance on the eight-pump system. Total deliveries to member agencies through the end of October was 1.57 maf or 87 percent of the annual average to date.

Ms. Trujillo reported that climate conditions in the Eastern Sierra, as of December 3<sup>rd</sup>, while early in the season, are wetter than normal.

### Colorado River Operations

#### *Glen Canyon Dam High Flow Experiment*

Ms. Trujillo reported that the High-Flow Experimental (HFE) release from Glen Canyon

Dam (GCD) began on November 19<sup>th</sup> and concluded on November 23<sup>rd</sup>. The results are currently being evaluated and will be reported on in future meetings. The HFE was a 24-hour release from GCD ramped up to 42,300 cubic feet per second (cfs), 27,300 cfs through the power plant and 15,000 cfs through the river outlet tubes. The high flow was preceded and followed by fluctuating flows of 7,000 to 9,000 cfs. The HFE was shorter in length than had previously been conducted in 2008. Very preliminary results seem to indicate that some beaches were built up from pre-release conditions.

#### Binational Discussions U.S. and Mexico

Ms. Trujillo reported that Minute 319 was executed by representatives of the United States and Mexico on November 20<sup>th</sup> in San Diego, California. It is a five-year agreement to provide benefits to both Mexico and the U.S. including: (1) Sharing of shortages and surpluses under specifically defined conditions; (2) Pilot projects to fund water conservation activities in Mexico with water being made available for use in the U.S.; and (3) Providing water for environmental purposes in the Colorado River Delta.

Ms. Trujillo reported that Domestic Agreements were also executed at the signing ceremony, including: (1) a Memorandum of Understanding between the U.S. Section of the IBWC, DOI, the Basin States, and several water agencies; and (2) an Operating Agreement, Forbearance Agreement, Delivery Agreement, and a Funding Agreement.

#### Basin States Discussions

Ms. Trujillo reported that the final draft of the Basin Study report was issued by the Department of the Interior on December 12, 2012. The Basin Study outlines a range of options including conservation, water reuse, and system augmentation to help address potential water supply and demand imbalances. The Basin States are committed to working with Reclamation and other stakeholders on the next steps.

### **REPORTS**

*Report from Ms. Anne Castle, Assistant Secretary for Water and Science, Department of the Interior*

Ms. Anne Castle, the Department of the Interior's Assistant Secretary for Water and Science, congratulated the Board on its 75<sup>th</sup> anniversary. She congratulated the Board on its superior choice in the selection of its current and past Executive Directors.

Ms. Castle reported that Minute 319 was a historic milestone on the Colorado River. Ms. Castle reported that Secretary Salazar, who was at signing ceremony November 20<sup>th</sup>, has called Minute 319 the most important bi-national agreement on the river since 1944. Ms. Castle reported that Minute 319 is really three agreements in one. Ms. Castle reported that the Secretary has also said that our shared reliance on the Colorado River between the two countries really connects us as two nations and in so many ways it makes us one people. The types of collaboration that are contemplated in Minute 319 really bring that point home with definitions of shortage sharing, with collaborative projects in Mexico that will bring benefit into the United States, and the agreement to send pulse flows into the delta to reconnect the Colorado River with the Sea of Cortez, something

that hasn't happened in many, many years. All of that is significant and will really change the way we operate on the river and change the way our two countries relate to each other on water issues. Ms. Castle congratulated the Board for its role in developing the Minute, and looked forward to working together with all of the Colorado River Basin states to address the implementation of Minute 319. It was anticipated that while the Secretary is in Las Vegas on Friday he is planning to hold a meeting with the principals of the Basin States and involved river districts and other entities to talk about how to move forward with implementation of Minute 319.

The Secretary, Ms. Castle, Commissioner Connor, and Ms. Kay Brothers, as the representative from the Basin States, did a press conference earlier this morning, December 12<sup>th</sup>, to coincide with the roll-out of the Colorado River Basin Study. The Basin Study is part of Reclamation's WaterSMART program. WaterSMART is DOI's signature water conservation initiative that is focused on bringing different tools to bear to help our constituents work towards the state of a water management in the various watersheds that they operate in. Part of that is WaterSMART grants, Title XVI, recycling and reclamation project funding. And part of it is the Basin Study program and looking at how the Colorado River Basin Study has done such a comprehensive look at a huge watershed and provided state of the art information, state of the art science and tools to allow water managers to think about how to address shortages in the future. It seems to me that that kind of Basin Study tool can really be the most significant assistance that the federal government can provide to states and water districts, water managers, and water users to address the shortages that we see coming. This Colorado River Basin Study is one of 17 that we have going in basins across the west, but it is by far the most comprehensive. It took three years, \$6.7 million of funding equally shared between the Bureau of Reclamation and the seven basin states. And that partnership has resulted in a hugely valuable tool. And that core partnership also then reached out to a much broader spectrum of stakeholders, the ten tribes, NGO's representing environmental and recreational and business interests, and power interests. Having that broad spectrum of collaboration in the Basin Study is another component that gives it great strength. The Basin Study looked at supply and demand and has a lot of technical information about supply and demand. The Basin Study also took the next step and developed options and strategies to address the shortage that we see coming, which is a median of 3.2 million acre-feet of shortage in the Colorado River Basin by 2060. Under various climate change and population growth scenarios, the shortage could be larger than that. But we have looked at different options and strategies. The next step is to really drill down on some of those different options and strategies identified. However, it is clear that there's no one strategy that's going to address that magnitude of shortage. What the Basin Study did was pulled together a number of different options and organized them into portfolios to get a more accurate picture of how a basin-wide response would stack up against the shortages that are projected. So now we have to figure out what we're going to do. All of our constituents will be asking us what we are going to do to address this shortage. So now we're in the process of having discussions with our constituents about what those next steps look like and how we can put together groups that can look at issues within their particular wheelhouses, issues that they have responsibility over or expertise to bring to bear and figure out which solutions are practical, which are cost effective, which are politically viable, and then how we bring all of those together to address this shortage issue at a basin scale. The Basin Study is a first step a call to action. It's a call to engagement of the various different entities that have been involved in the study and probably a broader spectrum of entities in the future. Ms. Castle reported that copies were available at the Reclamation booth of the Colorado Water Users Association Conference. The Study is also available online.

Ms. Castle reported that Secretary Salazar is scheduled to visit the Salton Sea with Senator Boxer and Congressman Ruiz in the afternoon after he leaves Las Vegas. He is expected to take a short tour of the Salton Sea and then hold a stakeholder meeting. In November, both California senators inquired about Reclamation's past and current involvement in the Salton Sea. Reclamation has funded about \$30 million of research into Salton Sea issues. U.S. Geological Survey (USGS) has also done a lot of work about Salton Sea issues and we'll be talking about that as well. Reclamation has fulfilled all of its obligations with respect to the Salton Sea, but DOI continues to provide technical assistance to various different entities that are looking at Salton Sea issues and potential steps forward. DOI has land ownership around the Salton Sea, and thus has interest in dust emissions and Endangered Species Act and Migratory Bird Treaty Act issues. Ms. Castle reported that DOI has interests in the impacts that are anticipated on populations of endangered species and trust responsibilities for Native American holdings that are at the north end of the Salton Sea, both submerged and above ground holdings. The band of Cahuilla Indians is implicated in Salton Sea issues. The 2007 legislation authorized \$30 million in pilot studies for restoration of the Salton Sea and directed the Secretary of the Army to consult with the USGS on those pilot projects. And that has been occurring. USGS has recently facilitated a meeting with the Corps of Engineers and the State of California to talk about strategies for moving forward. USGS has also done research in pesticides that are reaching the Salton Sea from the New and the Alamo Rivers and looking at the impacts of those pesticides on wildlife in and around the Salton Sea. And finally, Reclamation, IID, the State of California and USGS completed an Ecological Risk Assessment on exposure of birds to selenium in the saline habitats that are being looked at for possible creation to mitigate the retreat of the sea particularly in the Sonny Bono Wildlife Refuge. DOI is also working with the California Department of Fish & Wildlife and the California Department of Water Resources to try to develop an integrated monitoring plan that will be able to fold into any restoration efforts as well.

Ms. Castle commented on the progress on the Colorado River over the past four years because this Board and the representatives of other states have really engaged in a collaborative partnership with each other and with the Interior agencies, and with the Secretary, who has such significant management responsibilities on the Lower Colorado River. We want to make sure that that progress continues. We want to make sure that that partnership continues to operate in the same productive and collaborative manner that it has in the past. Ms. Castle reported that they are committed to doing that and that she appreciated this opportunity to be able to engage with this Board and she wants to continue to do that periodically in the future.

*Report from Dr. Terry Fulp, Regional Director, U.S. Bureau of Reclamation, Lower Colorado Region*

Dr. Terry Fulp reported that this was the first time he has addressed the Board as Reclamation's Regional Director of the Lower Colorado Region. He assured the Board that Reclamation's philosophy of collaboration and transparency will continue. As Assistant Secretary Anne Castle said, it's the only way to solve complex water problems. Dr. Fulp assured the Board that Reclamation continues to implement the 2007 Interim Guidelines for the Coordinated Operation of Lake Powell and Lake Mead. The Interim Guidelines extend through 2026, and the collaborative, transparent process to extend the guidelines will begin no later than 2020.

Dr. Fulp also reported that the current Basin-wide snow pack is about 62 percent of average. Last year the inflow was less than 50 percent of average. He indicated that there's been a drought in the basin for the last thirteen years with the usual 3 or 4 years of above average inflow. He questioned what should be done in the future. Dr. Fulp reported that the Basin Study report is the next step to address the water problems in the next 50 years. Two things that are different about the Basin Study is: (1) climate change scenarios were considered to quantify what the future might look like; and (2) demand scenarios were also considered for the first time. Dr. Fulp reported that the demand-supply imbalances range from 3 maf to 8 maf per year, depending on the scenario. The next steps are to be determined in a collaborative process with all of the stakeholders along the river, as we move forward.

Dr. Fulp recalled the development of the Quantification Settlement Agreement, in the late 90's and early 2000's, and mentioned how the parties grappled with California's 4.4 Plan and the eventual formulation of that important agreement. He said we have a good agreement in place. It's the largest agricultural to urban conservation and transfer program in the nation, so implementation issues were likely to occur. From Reclamation's Lower Colorado Region perspective they will continue to work with each of the members of the Board to resolve these implementation issues, as they arise.

Dr. Fulp reported that as Assistant Secretary Castle had mentioned, Minute 319 was negotiated and signed and now it is time to implement it.

Finally, Dr. Fulp assured the Board that Reclamation will continue its mission to deliver water and generate hydropower to Lower Colorado Basin entitlement and contract holders in the future. It will be done operationally and administratively as efficiently as possible.

*Report from Mr. Don Barnett, Executive Director, Colorado River Basin Salinity Control Forum*

Mr. Barnett reported that the Salinity Control Program has made the Colorado River water at Las Vegas 80 milligrams per liter better. The Colorado River water at Parker Dam is about 90 milligrams per liter better, and the Colorado River water at Imperial is about 100 milligrams per liter better because of the Salinity Control Program. That's not something that happened quickly, but over the past 30 years by slowly implementing Salinity Control Projects in the Upper Basin.

Mr. Barnett reported that Reclamation has initiated planning studies in the Lower Gunnison and Uinta Basin salinity control areas. These studies are funded using Basin States dollars with 85 percent coming from the Lower Basin. The Uinta Basin is in Utah. It is an old project area that's been ongoing for the past 30 years. It's starting to reach the end of its project life and the Program is determining how to finish the project in the most cost effective manner. The Lower Gunnison area of Colorado has been in place for a number of years, but hasn't yet taken off. It's a voluntary program and we need to know how to get this program going. A draft report is anticipated in about 9 months and a final report is expected in about 15 months.

Mr. Barnett reported that Reclamation has started a NEPA review process on the Paradox Valley Unit to look at alternatives for replacing the aging injection well. There are three potential paths: 1) an Environmental Assessment (EA) for replacement of well by 2015. The EA would cost about \$1.3 million; 2) an Environmental Impact Statement (EIS) to evaluate all potential alternatives. An EIS would cost about \$2.8 million; and 3) an EIS of all alternatives plus a pilot evaporative pond study by 2018. This option would cost about \$12.5 million. The Basin States

through the Salinity Control Program has begun to formulate an emergency action plan in case the existing injection well fails before the replacement option is in place.

Mr. Barnett reported that Reclamation is also continuing to move ahead with its Basin-wide Program, its principal program for implementing salinity control projects. Approximately 40 applications totaling \$100 million have been reviewed by the Application Review Committee (ARC). The ARC has recommended 15 projects totaling about \$40 million under the Basin States Program. The 15 projects are expected to control about 35,000 tons of salt at an effective cost of \$56 per ton of annual salinity control. The contracting process is expected to begin May 1, 2013.

Mr. Barnett reported that the Natural Resources Conservation Service (NRCS) is continuing to implement on-farm salinity control projects. In 2012 the NRCS obligated \$12.4 million for about 13,000 tons of new salinity control. Three State Conservationists have prepared a three-year funding plan requesting \$12 million in 2013. The Environmental Quality Incentives Program (EQIP) of the NRCS has been extended through Fiscal Year 2014.

Mr. Barnett reported that the Bureau of Land Management (BLM), in conjunction with Basin States Program dollars and efforts and moneys from USGS and the Agricultural Research Service, has initiated a study of salt mobilization on rangelands. BLM has hired a salinity coordinator who is to begin the end of January 2013.

Mr. Barnett reported that the Farm Bill expired on September 30, 2012. NRCS's salinity program (about 2/3 of total program funding) is funded out of EQIP under the Farm Bill. EQIP was extended through 2014 under the Continuing Resolution legislation last fall. The Senate passed a new farm bill in June and the House Agriculture Committee passed a similar farm bill in July, but it has not been heard on the House Floor.

Mr. Barnett thanked the Board for the opportunity to provide an update on the Program and then responded to questions about the Paradox Valley Unit and the implementation of the Salinity Control Program.

#### *Washington D.C. and Congressional Updates*

Ms. Trujillo reported that copies of Mr. Pete Carlton's annual report were included in the handout materials. Ms. Trujillo reported that fiscal issues are uncertain, and the continuing resolution is in place until March 27, 2013. A new budget will be released in February, and its fate is also uncertain.

Finally, Ms. Trujillo reported that there is a drought forum being held on December 12, 2012 in Washington D.C. where many of the federal agencies are meeting to discuss the drought. Ms. Trujillo also reported that the leadership of the Senate Energy and Natural Resources Committee will be transferred from Senator Bingaman, who is retiring, to Senator Wyden (D-OR). The Senate Energy and Natural Resources Committee addresses the authorizations for Reclamation and USGS.

Next Board Meeting

Chairman Fisher announced that the next meeting of the Colorado River Board is scheduled for January 2013 at the Holiday Inn Ontario Airport, 2155 E. Convention Center Way, Ontario, California.

There being no further items to be brought before the Board, Chairman Fisher asked for a motion to adjourn the meeting.

Upon the motion of Mr. Kuiper, seconded by Mr. Knutson, and unanimously carried, the meeting was adjourned 4:27 p.m. on December 12, 2012.

Tanya M. Trujillo  
Executive Director

DRAFT

4.a. - Colorado River Water Report

**SUMMARY WATER REPORT  
COLORADO RIVER BASIN  
February 1, 2013**

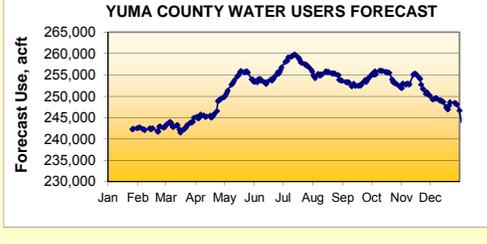
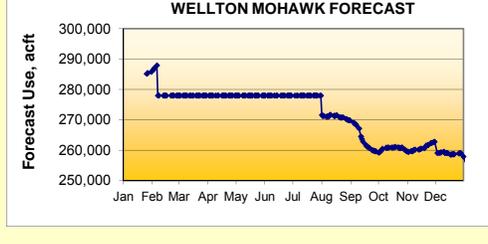
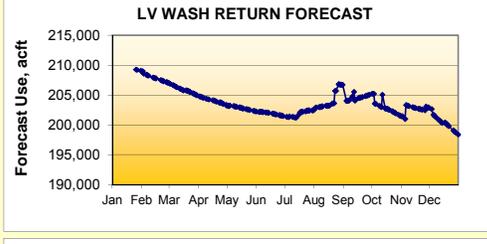
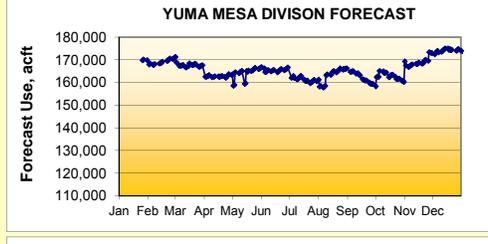
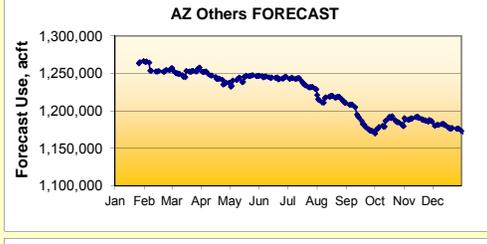
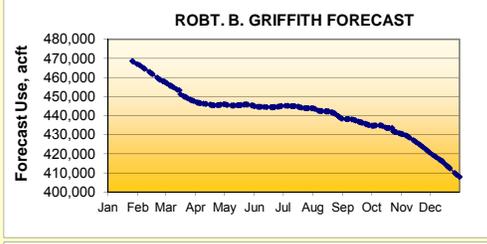
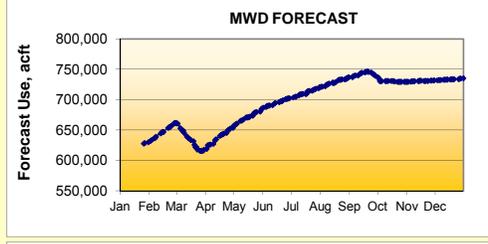
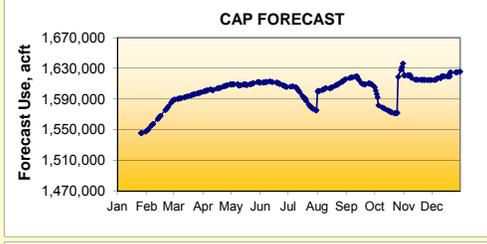
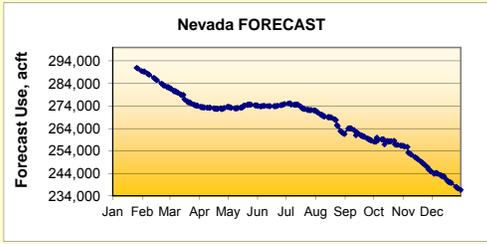
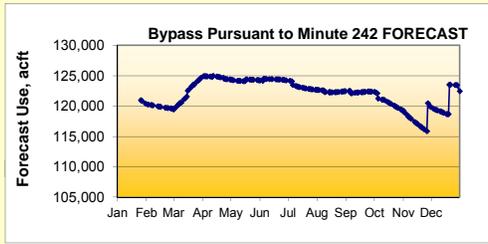
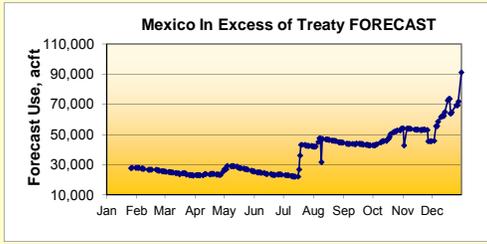
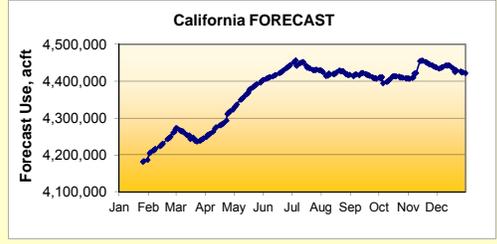
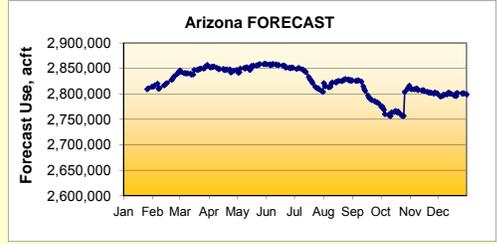
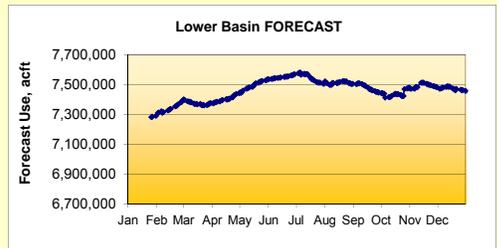
RESERVOIR STORAGE (as of January 31)	January 1, 2013					
	MAF	ELEV. IN FEET	% of Capacity	MAF	ELEV. IN FEET	% of Capacity
<b>Lake Powell</b>	12.177	3,604.4	<b>50</b>	12.713	3,609.8	<b>52</b>
<b>Flaming Gorge</b>	2.981	6,020.0	<b>80</b>	3.002	6,020.6	<b>80</b>
<b>Navajo</b>	0.947	6,023.8	<b>56</b>	0.957	6,024.7	<b>56</b>
<b>Lake Mead</b>	13.828	1,122.3	<b>53</b>	13.636	1,120.4	<b>53</b>
<b>Lake Mohave</b>	1.650	641.2	<b>91</b>	1.572	638.3	<b>87</b>
<b>Lake Havasu</b>	0.580	448.0	<b>94</b>	0.550	446.4	<b>89</b>
<b>Total System Storage</b>	<b>32.777</b>		<b>55</b>	<b>33.075</b>		<b>55</b>
<b>System Storage Last Year</b>	<b>38.323</b>		<b>64</b>	<b>38.365</b>		<b>64</b>

	January 7, 2013	
WY 2013 Precipitation (Basin Weighted Avg) 10/01/12 through 2/04/13	<b>77 percent (9.3")</b>	<b>74 percent (6.9")</b>
WY 2013 Snowpack Water Equivalent (Basin Weighted Avg) on day of 2/04/13 (Above two values based on average of data from 116 sites.)	<b>83 percent (8.1")</b>	<b>79 percent (5.6")</b>
	January 3, 2013	
February 4, 2013 Forecast of Unregulated Lake Powell Inflow	MAF % of Normal	MAF % of Avg.
2013 April through July unregulated inflow	4.000 <b>56 %</b>	4.400 <b>61%</b>
2013 Water Year	6.017 <b>56 %</b>	6.561 <b>61%</b>

ARIZONA, CALIFORNIA, NEVADA, MEXICO  
FORECAST OF END OF YEAR CONSUMPTIVE USE  
FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS <sup>1</sup>  
(ACRE-FEET)

WATER USE SUMMARY	Use To Date CY2012	Forecast Use CY2012	Approved Use <sup>2</sup> CY2012	Excess to Approval CY2012
ARIZONA	2,795,615	2,795,423	2,800,000	-4,577
CALIFORNIA	4,419,693	4,418,977	4,175,000	243,977
NEVADA	236,478	236,424	300,000	-63,576
STATES TOTAL <sup>3</sup>	7,451,786	7,450,824	7,275,000	175,824
MEXICO IN SATISFACTION OF TREATY TO MEXICO AS SCHEDULED	1,460,108	1,591,258	1,500,000	91,258
MEXICO IN EXCESS OF TREATY	1,368,850	1,500,000		
BYPASS PURSUANT TO MINUTE 242	91,258	91,258		
	122,483	122,483		
TOTAL LOWER BASIN & MEXICO	9,034,377	9,164,565		

- 1/ Incorporates Jan-Nov USGS monthly data and 76 daily reporting stations which may be revised after provisional data reports are distributed by the USGS. Use to date estimated for users reporting monthly and annually.
- 2/ These values reflect adjusted apportionments. See Adjusted Apportionment calculation on each state page.
- 3/ 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.



Graph notes: Jan 1 forecast use is scheduled use in accordance with the Annual Operating Plan's state entitlements, available unused entitlements, and over-run paybacks. A downward sloping line indicates use at a lower rate than scheduled, upward sloping is above schedule, and a flat line indicates a use rate equal to schedule. Lower priority users such as CAP, MWD, and Robt.B.Griffith may adjust use rates to meet state entitlements as higher priority use deviates from schedule. Abrupt changes in the forecast use line may be due to a diversion schedule change or monthly updating of provisional realtime diversions.

NOTE:

- Diversions and uses that are pending approval are noted in *red italics*.
- Water users with a consumptive use entitlement - **Excess to Estimated Use** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a diversion entitlement.
- Water user with a diversion entitlement - **Excess to Approved Diversion** column indicates overrun/underrun of entitlement. Dash in this column indicates water user has a consumptive use entitlement.

CALIFORNIA WATER USERS  
FORECAST OF END OF YEAR CONSUMPTIVE USE  
FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS  
[California Schedules and Approvals](#)  
[Historic Use Records \(Water Accounting Reports\)](#)

WATER USER	Use To Date CY2012	Forecast Use CY2012	Estimated Use CY2012	Excess to Estimated Use CY2012	Diversion To Date CY2012	Forecast Diversion CY2012	Approved Diversion CY2012	Excess To Approved Diversion CY2012
CALIFORNIA PUMPERS	2,087	2,066	2,066	---	3,772	3,735	3,735	0
FORT MOJAVE INDIAN RESERVATION, CA	8,913	8,915	8,994	---	16,572	16,572	16,720	-148
CITY OF NEEDLES (includes LCWSP use)	1,991	1,950	1,950	0	2,328	2,283	2,720	-437
METROPOLITAN WATER DISTRICT	736,142	735,463	634,986	100,477	739,127	739,127	638,097	---
COLORADO RIVER INDIAN RESERVATION, CA	3,741	3,705	5,450	---	9,438	9,345	9,345	0
PALO VERDE IRRIGATION DISTRICT	366,529	366,529	372,958	---	897,181	897,181	899,691	-2,510
YUMA PROJECT RESERVATION DIVISION	47,707	47,707	47,711	---	96,323	96,323	104,000	-7,677
YUMA PROJECT RESERVATION DIVISION - INDIAN UNIT	---	---	---	---	43,672	43,672	48,500	-4,828
YUMA PROJECT RESERVATION DIVISION - BARD UNIT	---	---	---	---	52,651	52,651	55,500	-2,849
YUMA ISLAND PUMPERS	6,726	6,660	6,660	---	12,162	12,042	12,042	0
FORT YUMA INDIAN RESERVATION - RANCH 5	748	702	637	---	1,353	1,269	1,152	117
IMPERIAL IRRIGATION DISTRICT	2,901,672	2,901,669	2,733,316	168,353	2,903,248	2,903,245	2,800,662	---
SALTON SEA SALINITY MANAGEMENT	13,908	15,107	22,500	-7,393	14,833	16,071	23,234	---
COACHELLA VALLEY WATER DISTRICT	329,016	329,017	342,000	-12,983	344,966	344,966	350,862	---
OTHER LCWSP CONTRACTORS	641	635	635	---	1,016	1,006	1,006	0
CITY OF WINTERHAVEN	73	72	72	---	109	108	108	0
CHEMEHUEVI INDIAN RESERVATION	129	128	6,101	---	11,453	11,340	11,340	0
<b>TOTAL CALIFORNIA</b>	<b>4,420,024</b>	<b>4,420,325</b>			<b>5,150,205</b>	<b>5,054,613</b>	<b>4,874,714</b>	
FORT YUMA INDIAN RESERVATION /1	---	---	---	---	48,762	48,676	53,387	-4,711

**CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION**

California Basic Apportionment	4,400,000
MWD storing NV unused	
Intentionally Created Surplus Water (IID)	-25,000
Creation of Extraordinary Conservation ICS (MWD)	-200,000
Total State Adjusted Apportionment	4,175,000
Excess to Total State Adjusted Apportionment	245,325

**ISG ANNUAL TARGET COMPARISON CALCULATION**

Priorities 1, 2, 3b Use (PVID+YPRD+Island+PVID Mesa)	420,896
MWD Adjustment	-896
Total California Agricultural Use (PVID+YPRD+Island+IID+CVWD)	3,651,582
California ICS Creation (IID ICS)	25,000
Misc. PPRs Covered by IID and CVWD	14,500
MWD-CVWD Exchange	
Total Use for Target Comparison <sup>2</sup>	3,690,186
ISG Annual Target (Exhibit B)	3,470,000
Amount over/(under) ISG Annual Target	220,186

NOTES:

Ranch 5

Yuma Island assumed to be included in Priority 2.

Click on California Schedules and Approvals above for incoming diversion schedules and approvals.

1/ Fort Yuma Indian Reservation includes Yuma Project Reservation Division Indian Unit, Ranch 5, an estimate of domestic use and pumpers.

2/ Includes MWD Adjustment, California Agricultural Use and Paybacks, IID-CVWD covered PPRs, and taking out the MWD-CVWD Exchange

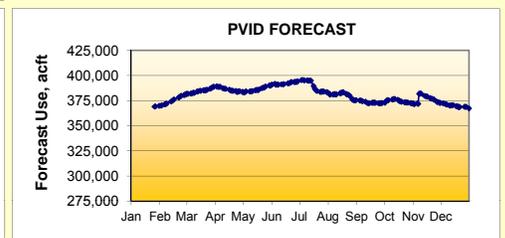
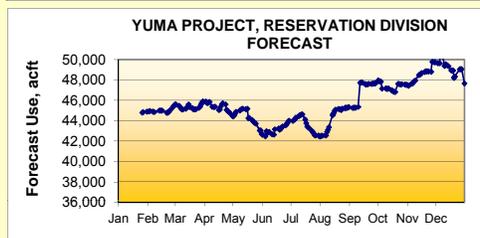
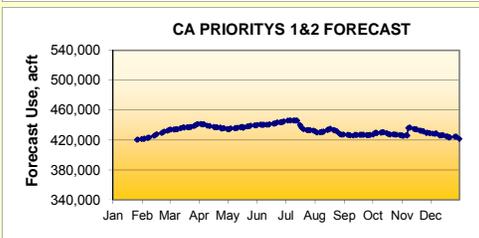
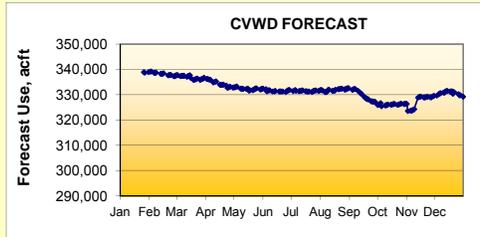
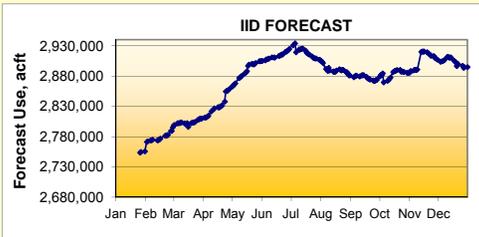


Figure 1. Total Colorado River Basin Storage as of February 2013

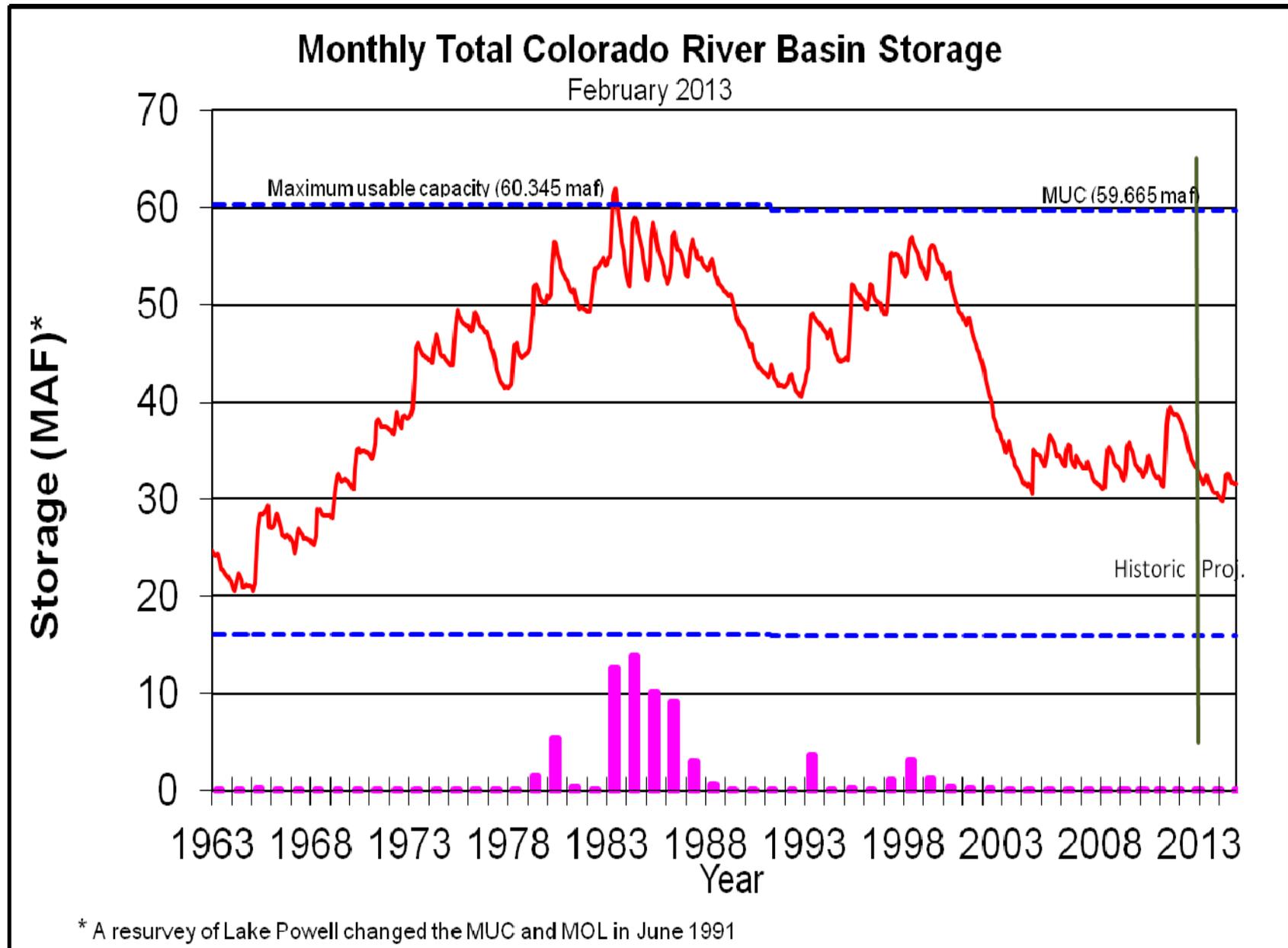


Figure 2. Lakes Powell and Mead Monthly Pool Elevation Levels

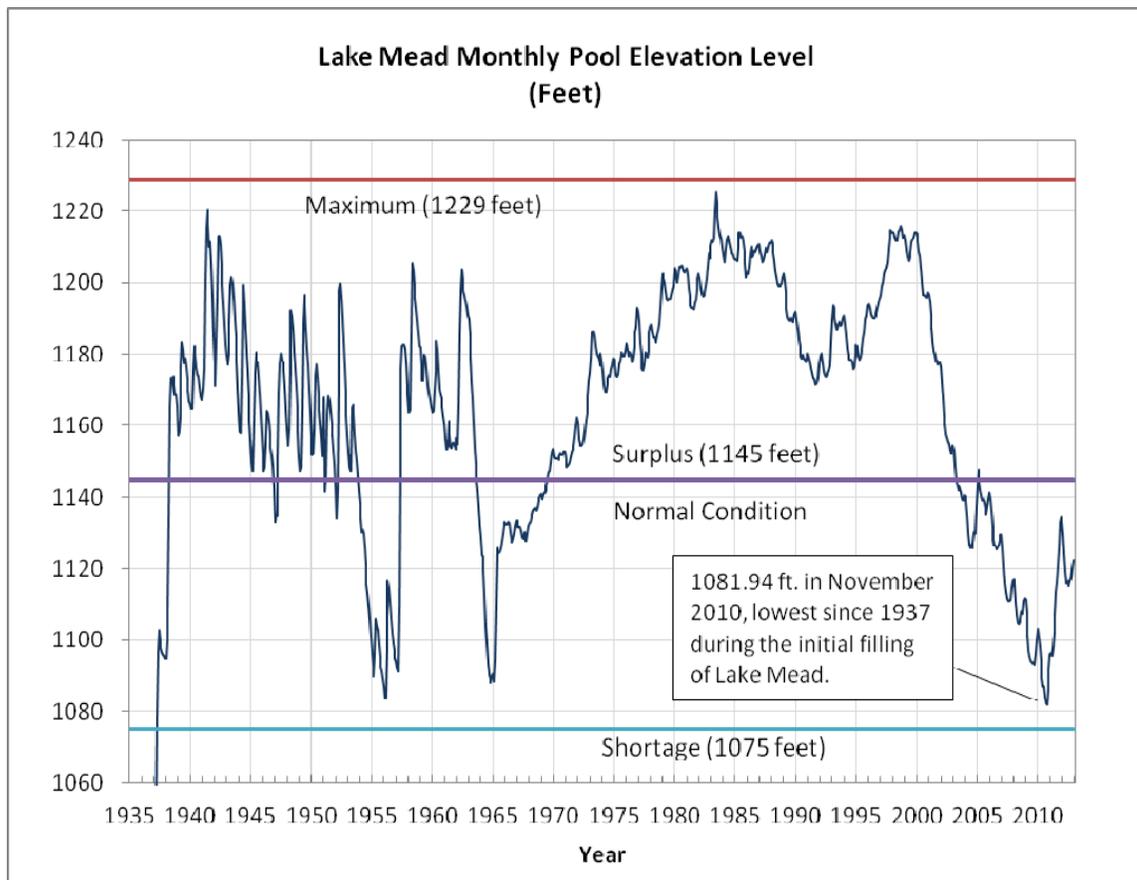
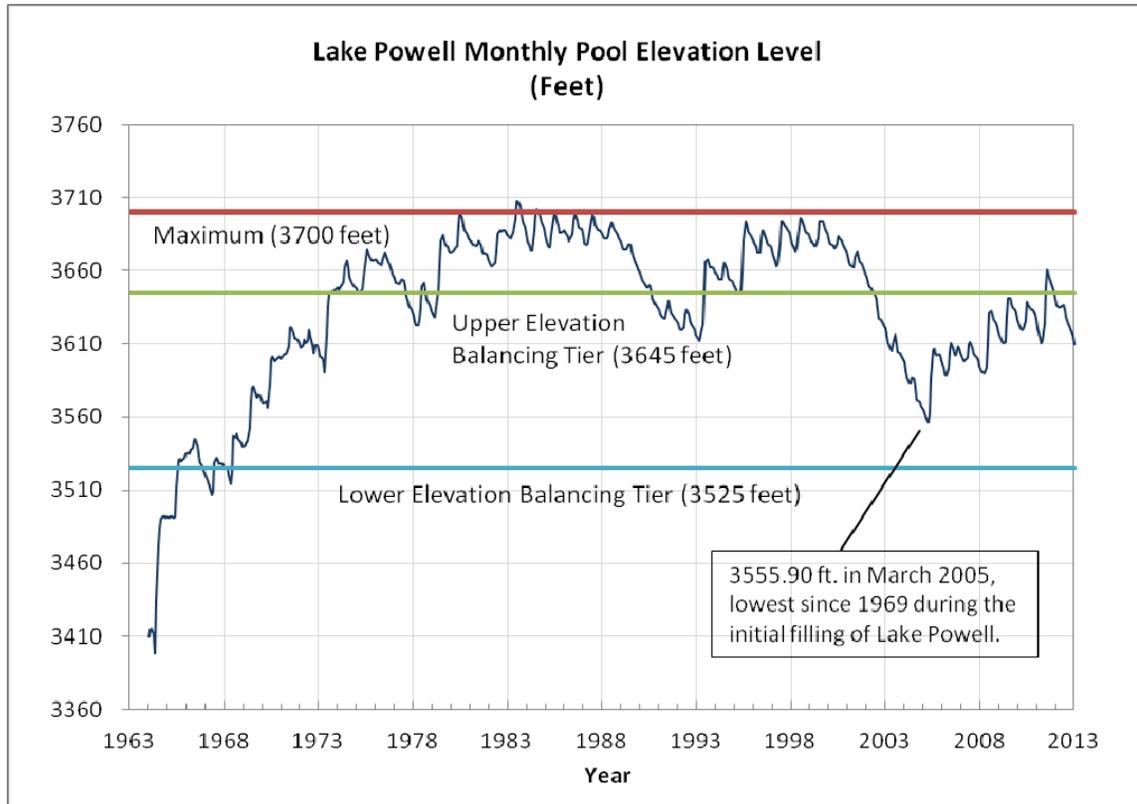


Figure 3. SNOTEL Water-Year-To-Date (WYTD) SWE for the CO headwaters basin

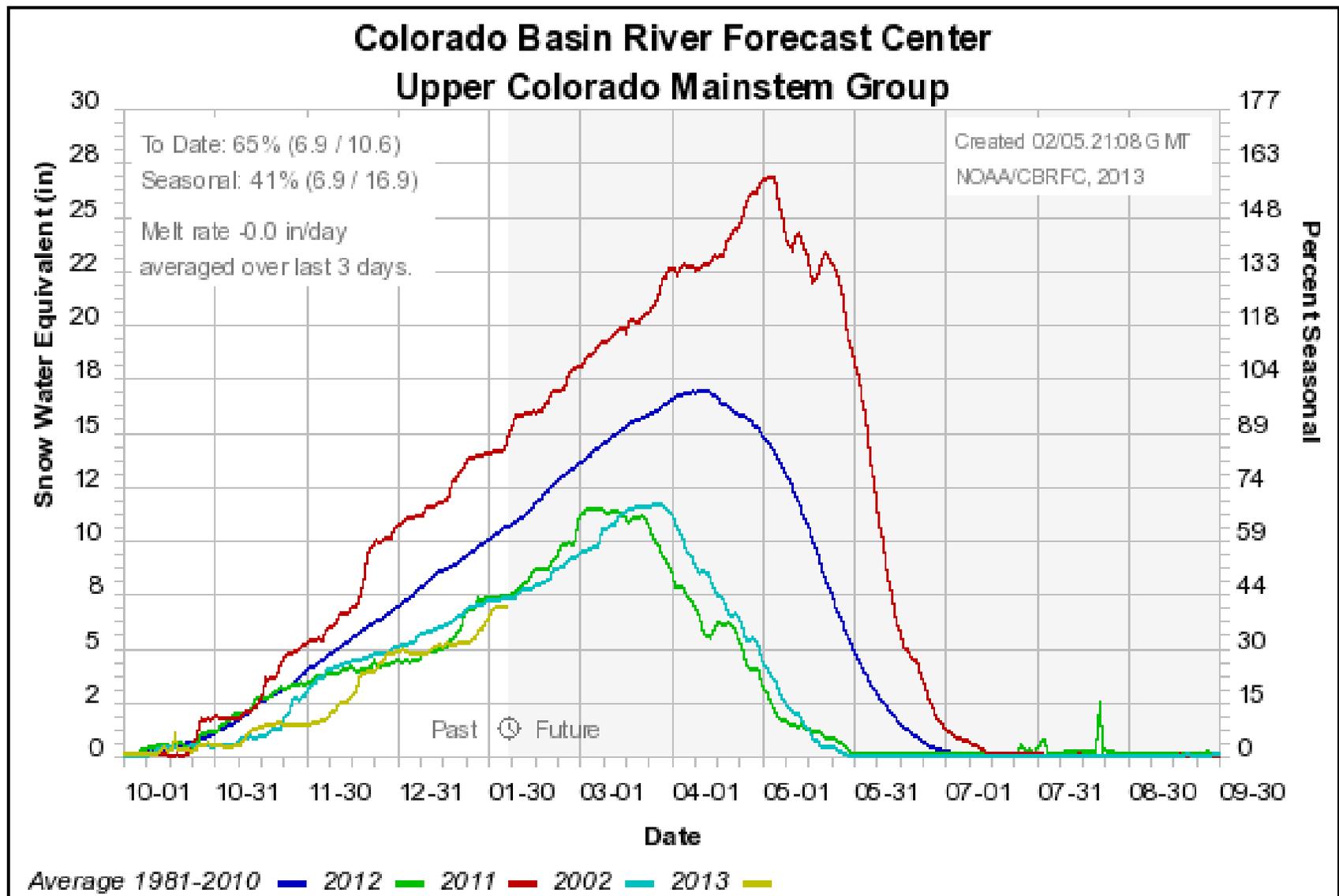


Figure 4. NOAA National Weather Service Monthly Precipitation Maps for December 2012 and January 2013

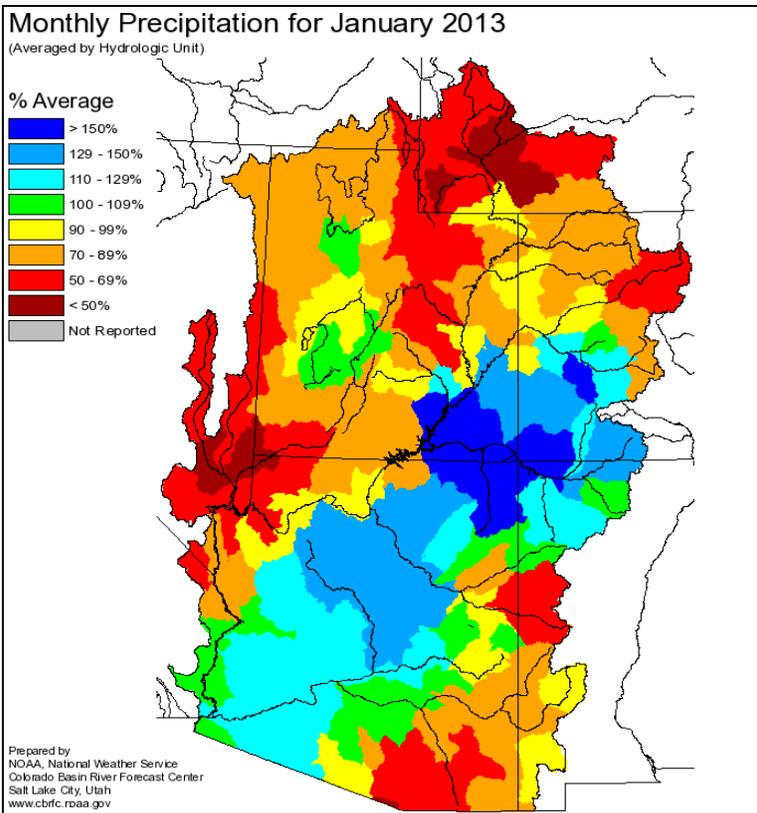
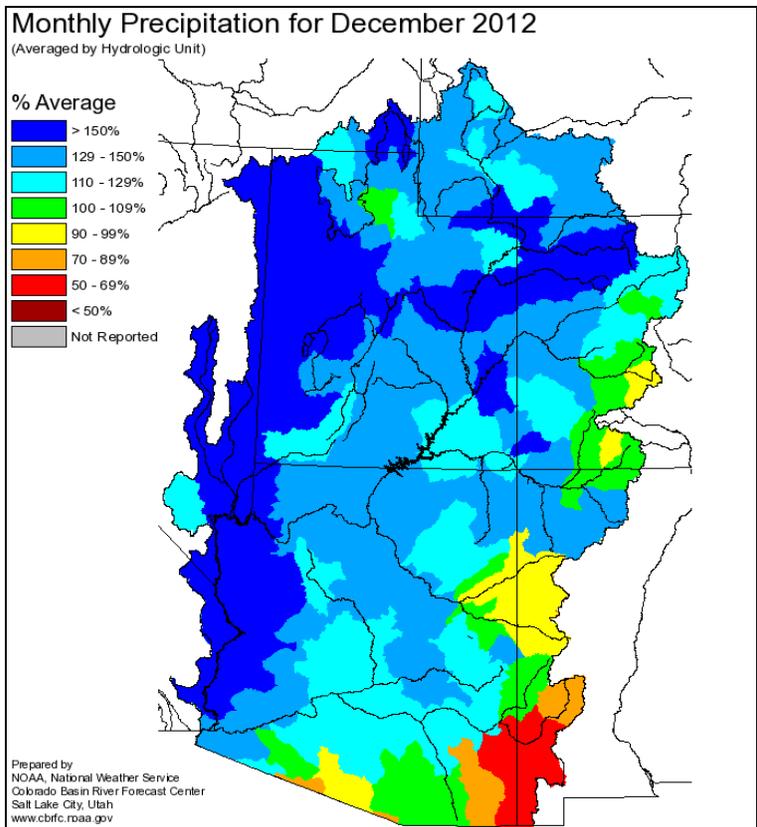
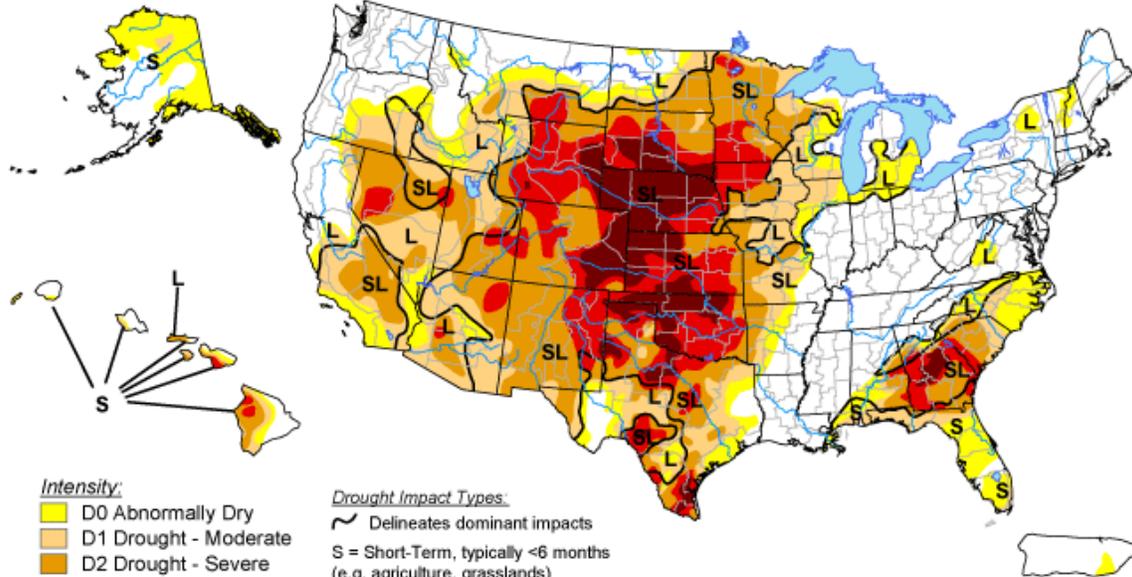


Figure 5. USDA United States Drought Monitor Map

# U.S. Drought Monitor

February 5, 2013  
Valid 7 a.m. EST



**Intensity:**

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

**Drought Impact Types:**

- ~ Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g. hydrology, ecology)

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, February 7, 2013

Author: Michael Brewer/L. Love-Brotak, NOAA/NESDIS/NCDC

# U.S. Drought Monitor

February 5, 2013  
Valid 7 a.m. EST

## West

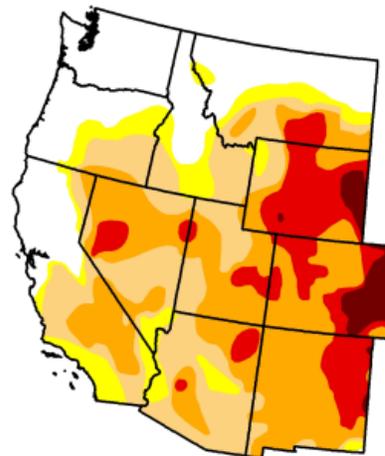
	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	23.73	76.27	66.52	44.01	15.72	3.15
Last Week (01/29/2013 map)	23.58	76.42	66.52	44.01	16.39	2.15
3 Months Ago (11/06/2012 map)	16.89	83.11	73.49	43.52	17.38	1.90
Start of Calendar Year (01/01/2013 map)	24.39	75.61	69.31	45.04	18.01	2.15
Start of Water Year (09/25/2012 map)	15.12	84.88	77.15	43.65	16.85	1.77
One Year Ago (01/31/2012 map)	33.02	66.98	40.69	10.98	2.82	0.83

**Intensity:**

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

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

[http://droughtmonitor.unl.edu](http://droughtmonitor.unl.edu/)



Released Thursday, February 7, 2013

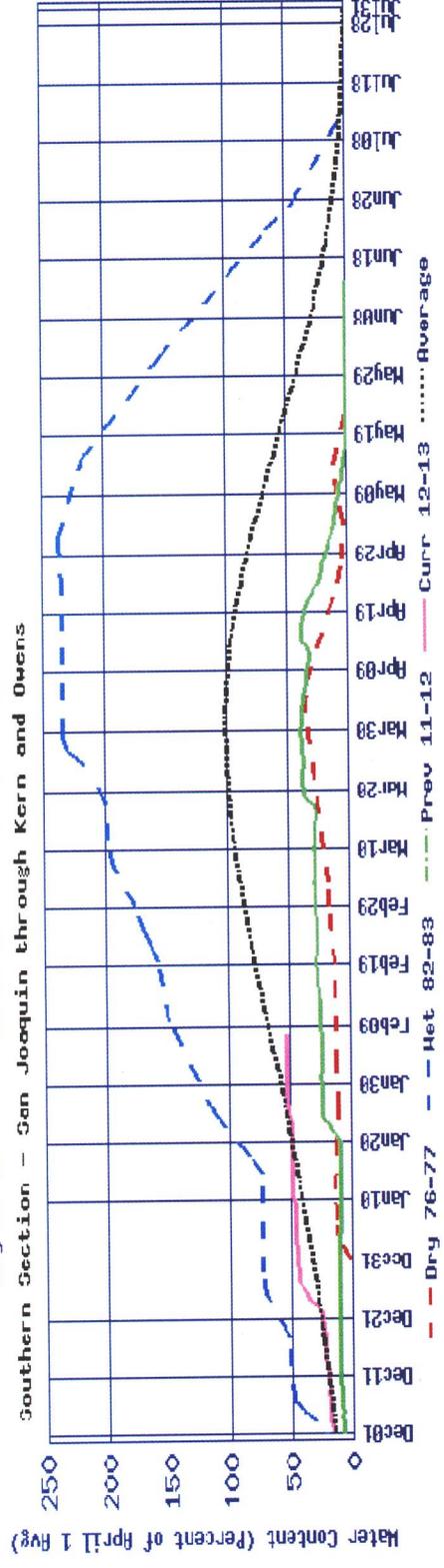
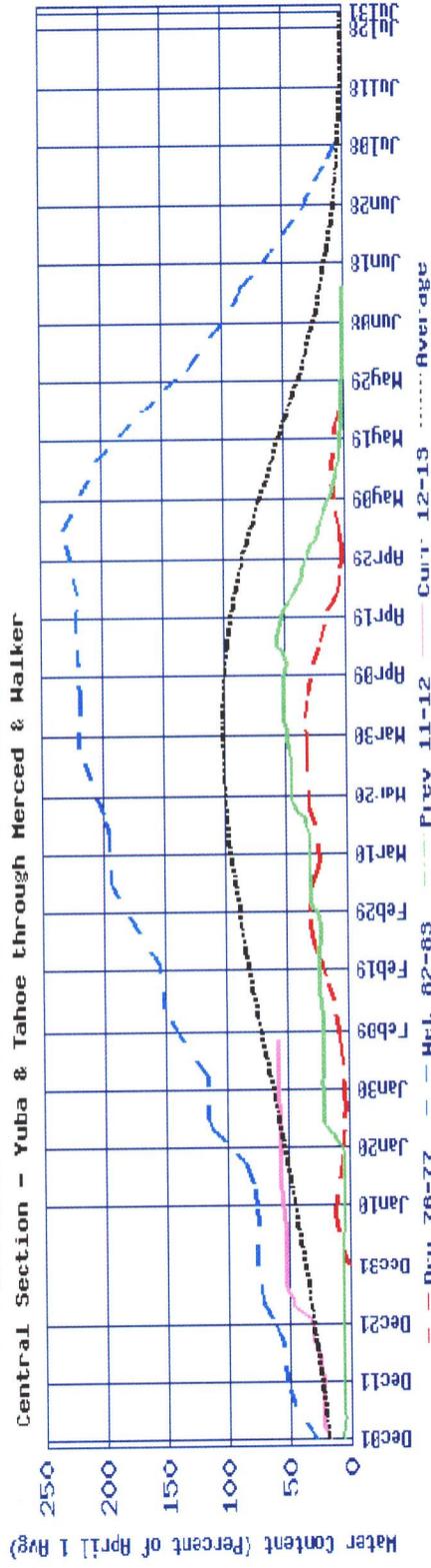
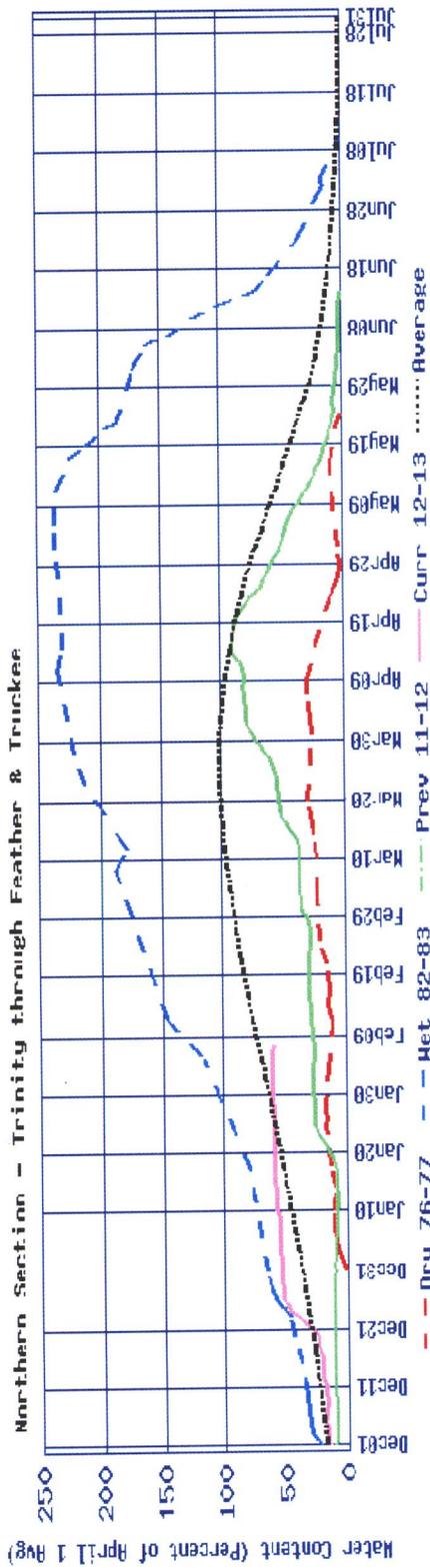
Michael Brewer, National Climatic Data Center, NOAA

4.b. – State and Local Water Reports

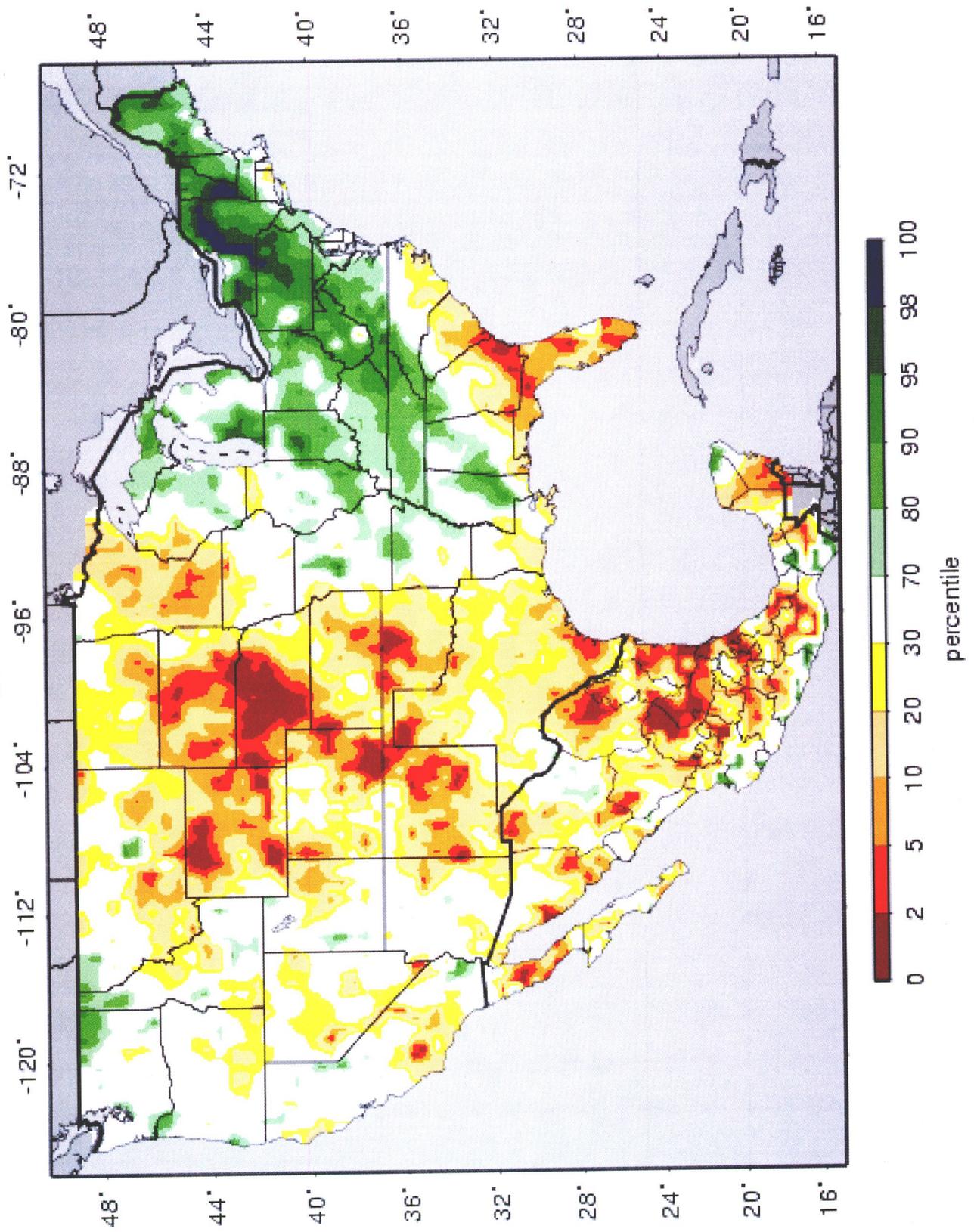
# Precipitation at Selected Sites

July 1, 2012 – February 6, 2013

Station	Precip, inches	% of normal to date
Redding	20.1	96
Sacramento	12.3	111
San Jose	7.9	91
Merced	5.9	85
Fresno	4.0	63
Bakersfield	1.6	46
Salinas	7.7	106
Paso Robles	3.9	53
Los Angeles	5.6	76
Riverside	2.8	43
Palm Springs	1.8	47
San Diego	4.4	77

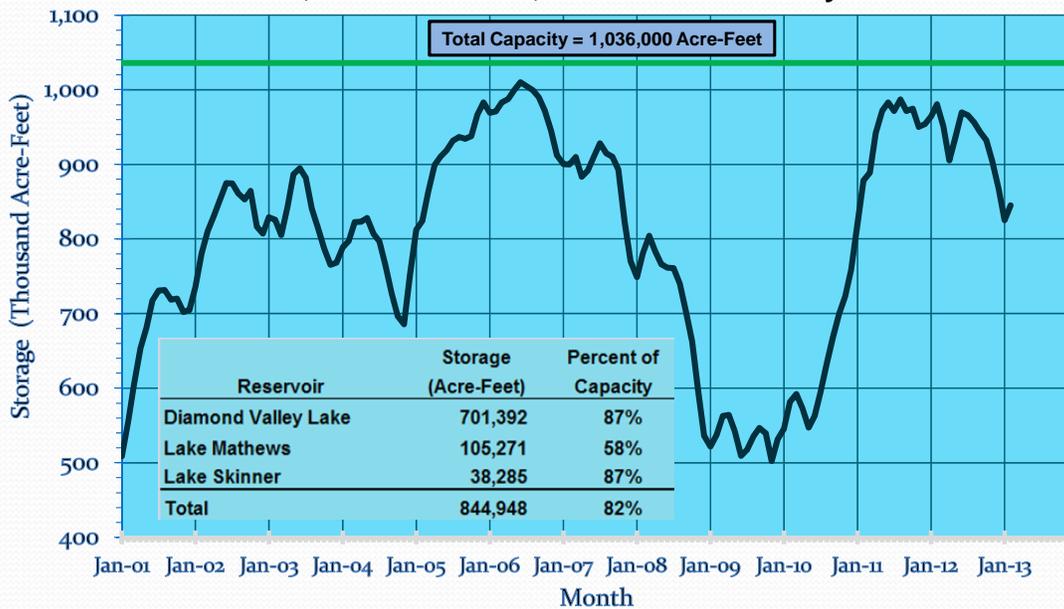


VIC Soil Moisture Percentiles (wrt/ 1916-2004)  
20130205

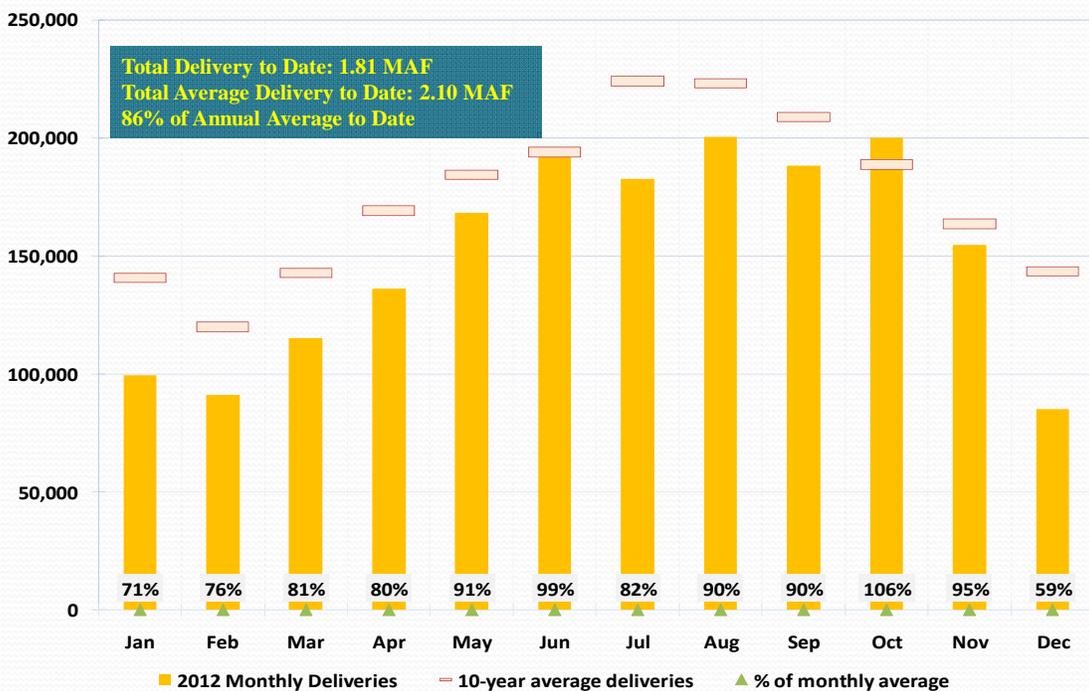


## MWD's Combined Reservoir Storage as of February 1, 2013

Lake Skinner, Lake Mathews, and Diamond Valley Lake

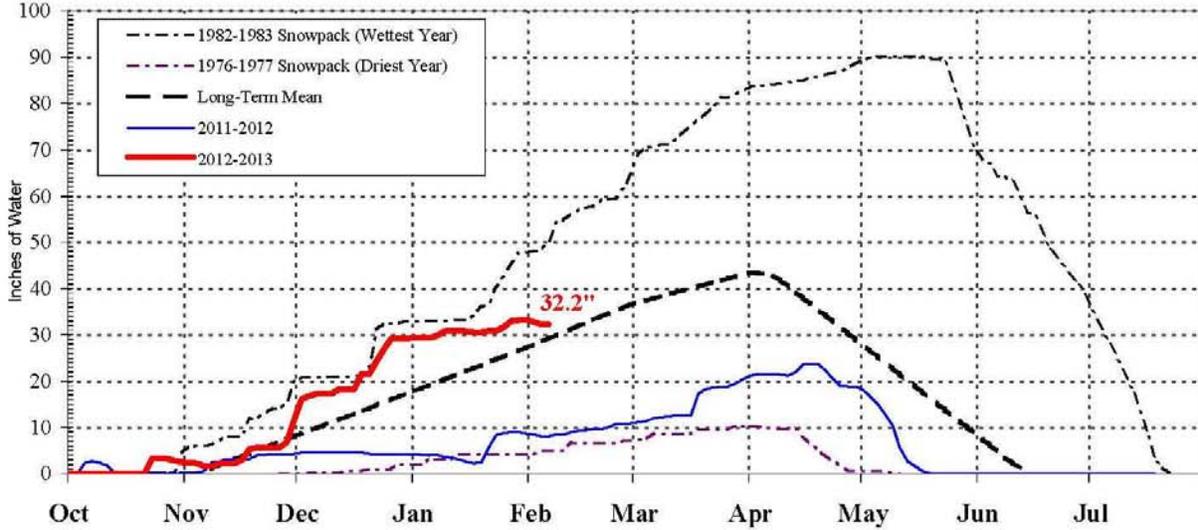


## 2012 Water Deliveries to Member Agencies (AF)

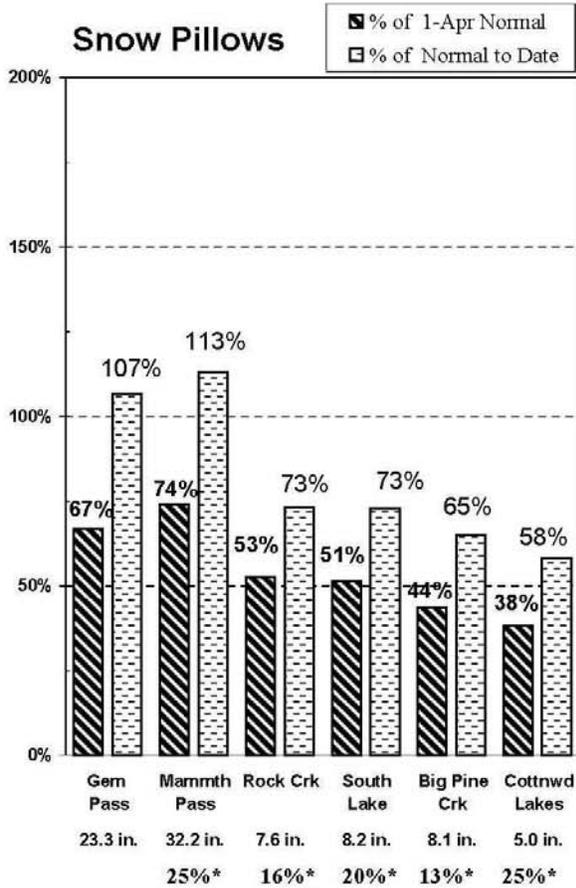


# EASTERN SIERRA CURRENT PRECIPITATION CONDITIONS As of February 5, 2013

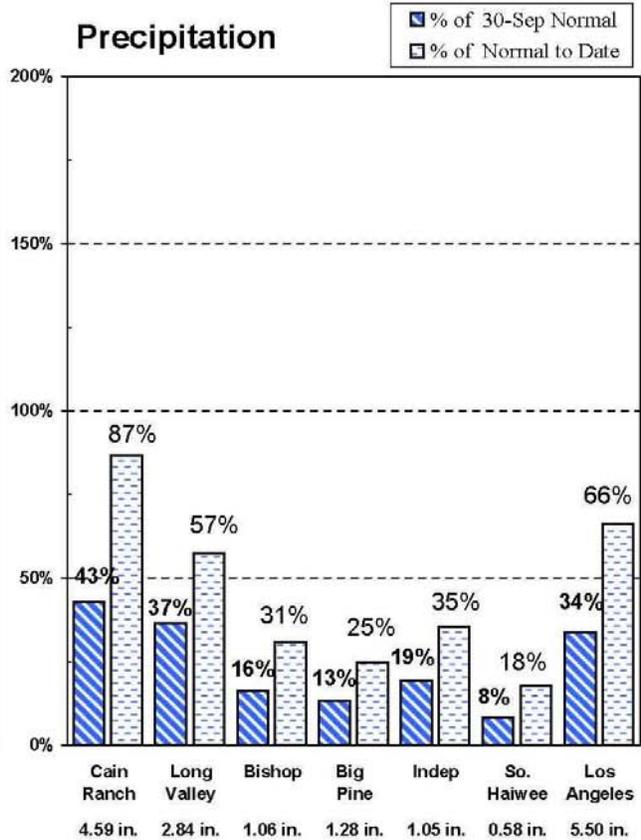
## Mammoth Pass Snowpack



## Snow Pillows



## Precipitation



\* Individual snow pillow represents an area that contributes this percent of the total Owens River Basin runoff.

*Measurement as Inches Water Content; Precipitation totals are cumulative for water year beginning Oct 1*

4.c. – Colorado River Operations



OFFICE OF THE SECRETARY  
**U.S. Department  
of the Interior**

[www.doi.gov](http://www.doi.gov)

# News Release

## Secretary Salazar to Return Home to Colorado

01/16/2013

Contact: Blake Androff, 202-208-6416

WASHINGTON, DC – Secretary of the Interior Ken Salazar announced today that he will return to his home state of Colorado, having fulfilled his promise to President Obama to serve four years as Secretary. Secretary Salazar has informed President Obama that he intends to leave the Department by the end of March.

"Colorado is and will always be my home. I look forward to returning to my family and Colorado after eight years in Washington, D.C.," said Secretary Salazar. "I am forever grateful to President Obama for his friendship in the U.S. Senate and the opportunity he gave me to serve as a member of his cabinet during this historic presidency."

"I have had the privilege of reforming the Department of the Interior to help lead the United States in securing a new energy frontier, ushering in a conservation agenda for the 21st century, and honoring our word to the nation's first Americans," added Salazar. "I thank the more than 70,000 employees at the Department for their dedication to our mission as custodians of America's natural and cultural resources. I look forward to helping my successor in a seamless transition in the months ahead."

Secretary Salazar has helped usher in a new era of conservation to protect America's lands, wildlife, and heritage. Under the banner of President Obama's America's Great Outdoors program, Interior has established ten national wildlife refuges and seven national parks since 2009; established forward-thinking protections for wildlife and preserved millions of acres of land; and implemented community-driven, science-based conservation strategies that take into account entire ecosystems and working landscapes.

"From the Crown of the Continent in Montana to the prairie grasslands of Kansas to the Everglades Headwaters in Florida, we are partnering with landowners, farmers, and ranchers to preserve their way of life and the irreplaceable land and wildlife that together we cherish," Salazar said. "We have established an enduring vision for conservation in the 21st century that recognizes all people from all walks of life."

Under Secretary Salazar's leadership, Interior has played a keystone role in developing a secure energy future for the United States, both for renewable and conventional energy. Since 2009, Interior has authorized 34 solar, wind and geothermal energy projects on public lands that total 10,400 megawatts - or enough to power over 3 million homes. Salazar also oversaw a visionary blueprint for solar energy development in the West and established the nation's first program for offshore wind leasing and permitting in America's oceans.

"Today, the largest solar energy projects in the world are under construction on America's public lands in the West, and we've issued the first leases for offshore wind in the Atlantic," said Salazar. "I am proud of the renewable energy revolution that we have launched."

Salazar has also undertaken an historic overhaul of Interior's management of oil and gas resources, implementing tough new ethics standards for all employees. He led Interior's response to the Deepwater Horizon oil spill and split the former Minerals Management Service into three independent agencies with clear, independent missions to oversee ocean energy management and revenue collection. Interior has offered millions of acres offshore in the Gulf of Mexico for safe and responsible exploration and development and is proceeding with cautious exploration of Arctic resources. Onshore, Interior has also leased millions of acres for oil and gas development over the last four years while protecting special landscapes for hunting and fishing

and other uses.

"We have undertaken the most aggressive oil and gas safety and reform agenda in U.S. history, raising the bar on offshore drilling safety, practices and technology and ensuring that energy development is done in the right way and in the right places," said Salazar. "Today, drilling activity in the Gulf is surpassing levels seen before the spill, and our nation is on a promising path to energy independence."

Secretary Salazar's term was marked by historic progress for Indian Country with the passage of the Cobell settlement that honorably and responsibly addressed long-standing injustices regarding the U.S. government's trust management. The President also signed into law six Indian water rights settlements, totaling over \$1 billion, that will help deliver clean drinking water to tribal communities and provide certainty to water users across the West. Salazar spearheaded a sweeping reform – the first in 50 years – of federal surface leasing regulations for American Indian lands that will streamline the approval process for home ownership, expedite economic development, and spur renewable energy in Indian Country.

"President Obama has made it a priority to empower our nation's first Americans by helping to build stronger, safer and more prosperous tribal communities," Salazar said. "This administration has been marked by a renewed commitment to honoring a nation-to-nation relationship and ensuring tribes have a greater role in federal decisions affecting Indian Country."

Salazar, a fifth-generation Coloradoan, has served his state and the nation for 14 continuous years as Colorado Attorney General, United States Senator and as the 50th secretary of the U.S. Department of the Interior.

###

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Secretary Salazar Celebrates  
National Wildlife Refuge System  
By Laying Seven New Planks at  
Pelican Island Walkway

**Next >>**

Secretary Salazar Announces  
New Members of Invasive Species  
Advisory Committee

## [The White House Blog](#)

# President Obama Names Sally Jewell to Lead the Department of the Interior



[Colleen Curtis](#)

February 06, 2013

05:24 PM EST

[Share This Post](#)



President Barack Obama and Sally Jewell applaud outgoing Interior Secretary Ken Salazar after President Obama announced Jewell as his nominee to replace Salazar, in the State Dining Room of the White House, Feb. 6, 2013. (Official White House Photo by Pete Souza)

Speaking in the State Dining Room at the White House, President Obama today announced that he has chosen Sally Jewell to be the next Secretary of the Interior. For the past eight years, Ms. Jewell has been the CEO of REI, one of America's most successful and environmentally conscious retailers. Previously, she had worked in oil fields in Oklahoma and Colorado, and as an energy expert in banking -- experience the President highlighted as he introduced Ms. Jewell to the American people:

So even as Sally has spent the majority of her career outside of Washington -- where, I might add, the majority of our interior is located -- she is an expert on the energy and climate issues that are going to shape our future. She is committed to building our nation-to-nation relationship with Indian Country. She knows the link between conservation and good jobs. She knows that there's no contradiction between being good stewards of the land and our economic progress; that in fact, those two things need to go hand in hand. She has shown that a company with more than \$1 billion in sales can do the right thing for our planet.

The President used the occasion to thank Ken Salazar, who served as Secretary of the Interior for President Obama's first term, for his dedication to the American people and our national treasures, and praised his accomplishments over the last four years:

Since being confirmed, Ken has cracked down on waste. He's improved the management of the Department to make it work better for the American people. He has ushered in a new era of conservation for our land, our water and our wildlife. He's established seven new national parks, 10 new national wildlife refuges. He has opened more public land and water for safe and responsible energy production, not just gas and oil but also wind and solar, creating thousands of new jobs and nearly doubling our use of renewable energy in this country. He has helped to forge what is probably the strongest working relationship with tribal leaders that the federal government has seen in modern times. And when the unexpected has happened -- like the Gulf oil spill or Hurricane Sandy -- he has been on the ground making sure that people get help right away and we deal with these challenges as professionally as possible.



# United States Department of the Interior

BUREAU OF RECLAMATION  
Lower Colorado Regional Office  
P.O. Box 61470  
Boulder City, NV 89006-1470

IN REPLY REFER TO:

**DEC 26 2012**

LC-4211  
PRJ-23.00

Mr. Carlos Peña, Jr., P.E.  
Principal Engineer  
Operations Department  
International Boundary and Water Commission  
The Commons, Building C, Suite 100  
4171 North Mesa Street  
El Paso, TX 79902

Subject: Revised Schedule of Calendar Year 2012 Water Deliveries to Mexico

Dear Mr. Peña:

The Bureau of Reclamation received your letter dated November 7, 2012, informing us that the National Water Commission (CONAGUA) requests an additional downward delivery adjustment of 923.52 thousand cubic meters (748.71 acre-feet) in the month of December pursuant to the provisions of Minute 318. The requested modification results in a decrease in deliveries at the Northerly International Boundary (NIB) by 923.52 thousand cubic meters (748.71 acre-feet). The total requested delivery for December is 109,213 thousand cubic meters (88,540 acre-feet) and the downward delivery adjustment volume for December is 16,245.52 thousand cubic meters (13,170 acre-feet), resulting in a total downward delivery adjustment of 164,026 thousand cubic meters (132,977 acre-feet) in calendar year 2012.

Reclamation confirms its ability to execute the requested revised deliveries according to the revised 2012 delivery schedule provided by your office which shows deliveries at the NIB, deliveries at the Southerly Land Boundary, diversions at Parker Dam for deliveries to Tijuana, and the downward delivery adjustment. These deliveries of Colorado River water to Mexico during calendar year 2012 are in accordance with Article 15 of the Treaty between the United States of America and Mexico, Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande, dated February 3, 1944, and Minutes No. 242, 314, and 318 of the International Boundary and Water Commission. The enclosed schedule shows the monthly deliveries provided by your office converted to acre-feet for use in our forecast.

As in previous years, Reclamation will continue to advise your office regarding Colorado River operations as they proceed. We appreciate your cooperation and assistance in planning river operations and in dealing with other issues associated with management of the Colorado River.

If you have questions regarding Reclamation's ability to execute the requested deliveries, please call Mr. Paul Matuska, Water Accounting and Verification Group Manager, at 702-293-8164.

Sincerely,



Terrance J. Fulp, Ph.D.  
Regional Director

Enclosure

cc: Honorable Edward Drusina, P.E.  
Commissioner, United States Section  
International Boundary and  
Water Commission  
The Commons, Building C, Suite 306  
4171 North Mesa Street  
El Paso, TX 79902

Ms. Tanya M. Trujillo  
Executive Director  
Colorado River Board of  
California  
770 Fairmont Avenue, Suite 100  
Glendale, CA 91203

Ms. Sandra A. Fabritz-Whitney  
Director  
Arizona Department of  
Water Resources  
3550 North Central Avenue  
Phoenix, AZ 85012

Ms. Jayne Harkins, P.E.  
Director  
Colorado River Commission of  
Nevada  
555 East Washington Avenue, Suite 3100  
Las Vegas, NV 89101

Mr. Scott A. Verhines, P.E.  
State Engineer  
Office of the State Engineer  
State of New Mexico  
P.O. Box 25102  
Santa Fe, NM 87504-5102

Mr. Patrick Tyrell  
State Engineer  
State Engineer's Office  
State of Wyoming  
Herschler Building, 4<sup>th</sup> Floor East  
122 West 25<sup>th</sup> Street  
Cheyenne, WY 82022-0370

Ms. Jennifer Gimbel  
Director  
Colorado Water  
Conservation Board  
1313 Sherman Street, Room 721  
Denver, CO 80123

Mr. Dennis Strong  
Director  
Utah Division of Water Resources  
P.O. Box 146201  
Salt Lake City, UT 84114-6201

Continued on next page.

If you have questions regarding Reclamation's ability to execute the requested deliveries, please call Mr. Paul Matuska, Water Accounting and Verification Group Manager, at 702-293-8164.

Sincerely,



Terrance J. Fulp, Ph.D.  
Regional Director

Enclosure

cc: Honorable Edward Drusina, P.E.  
Commissioner, United States Section  
International Boundary and  
Water Commission  
The Commons, Building C, Suite 306  
4171 North Mesa Street  
El Paso, TX 79902

Ms. Tanya M. Trujillo  
Executive Director  
Colorado River Board of  
California  
770 Fairmont Avenue, Suite 100  
Glendale, CA 91203

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P.O. Box 146201  
Salt Lake City, UT 84114-6201

Continued on next page.

Continued from previous page.

Mr. Don A. Ostler  
Executive Director  
Upper Colorado River  
Commission  
355 South 400 East  
Salt Lake City, UT 84111

Ms. Anna Morales  
Area Operations Manager, Yuma Office  
International Boundary and Water Commission  
1940 South Third Avenue, Suite A  
Yuma, AZ 85364

(w/encl to ea)

CY2012 COLORADO RIVER WATER DELIVERIES FOR MEXICO

30-Oct-12

Month	PREVIOUS SCHEDULE		CHANGE		PREVIOUS SCHEDULE		CHANGE		NEW SCHEDULE		NEW SCHEDULE		NEW SCHEDULE		TOTAL DELIVERY PLUS ADJUSTMENT		
	Colorado River at Morelos Dam (NIB) Acre-Feet	KCM	%	KCM	%	TOTAL DELIVERY (August 9, 2012) Acre-Feet	KCM	%	KCM	%	TOTAL DELIVERY (October 30, 2012) Acre-Feet	KCM	Divisions at Parker Dam to Effect Emergency Deliveries to Tijuana in accordance with Minute No. 314 Acre-Feet	KCM	Mexico's Requested Downward Delivery Adjustment in Accordance With Minute No. 318 Acre-Feet	KCM	
JAN	118,341	145,973	0%	0	0%	130,284	160,704	0%	0	0%	130,284	160,704	0	0	0	130,284	160,704
FEB	146,500	180,706	0%	0	0%	158,443	195,437	0%	0	0%	158,443	195,437	0	0	0	158,443	195,437
MAR	174,787	215,611	0%	0	0%	186,740	230,342	0%	0	0%	186,740	230,342	0	0	0	186,740	230,342
APR	193,087	203,769	0%	0	0%	205,407	218,500	0%	0	0%	177,139	218,500	0	0	28,268	205,407	253,368
MAY	101,142	106,688	0%	0	0%	112,314	120,469	0%	0	0%	97,665	120,469	0	0	14,660	112,314	138,539
JUN	102,056	111,672	0%	0	0%	113,999	126,403	0%	0	0%	102,477	126,403	0	0	15,699	118,176	145,767
JUL	103,248	111,845	0%	0	0%	115,191	126,576	0%	0	0%	102,617	126,576	0	0	15,882	118,499	146,166
AUG	92,948	99,576	0%	0	0%	104,505	113,832	0%	0	0%	92,284	113,832	0	0	12,221	104,505	128,906
SEP	90,337	96,379	0%	0	0%	101,509	110,160	0%	0	0%	89,307	110,160	0	0	8,302	101,508	125,210
OCT	52,858	55,425	0%	0	0%	63,672	68,299	0%	0	0%	55,371	68,299	0	0	10,240	63,673	78,539
NOV	90,336	92,016	0%	0	0%	101,893	106,272	0%	0	0%	86,155	106,272	0	0	12,585	98,740	121,796
DEC	94,153	95,471	-1%	(924)	-1%	106,043	110,137	(924)	(924)	(924)	88,540	109,213	0	0	13,170	101,710	125,458
TOTAL	1,359,803	1,515,131		(924)		1,500,000	1,687,131		(924)		1,367,022	1,686,208	0	0	132,977	1,500,000	1,850,234

1/ New water delivery schedule based on letter received from IBWC dated August 28, 2012 which transmitted the schedule dated 8-09-2012. The change is between the new schedule provided and the previous schedule dated December 23, 2011.

2/ New water delivery schedule based on letter received from IBWC dated November 7, 2012 which transmitted the schedule dated 10-30-2012. The change is between the new schedule provided and the previous schedule dated August 9, 2012.

APPROVED FOR THE BOARD OF DIRECTORS  
 DATE: 11/15/12  
 BY: [Signature]



OFFICE OF THE SECRETARY  
**U.S. Department  
of the Interior**

www.doi.gov

# News Release

## Secretary Salazar Releases Colorado River Basin Study Projecting Major Imbalances in Water Supply and Demand

**Comprehensive study developed by Interior and seven basin states looks at water supply and demand over the next 50 years; includes range of proposed strategies from stakeholders to mitigate projected imbalances**

12/12/2012

Contact: Blake Androff (DOI) 202-208-6416  
Kip White (Reclamation) 202-513-0684

**WASHINGTON, D.C.** – Secretary of the Interior Ken Salazar today announced the release of a study – authorized by Congress and jointly funded and prepared by the Bureau of Reclamation and the seven Colorado River Basin states – that projects water supply and demand imbalances throughout the Colorado River Basin and adjacent areas over the next 50 years. *The Colorado River Basin Water Supply and Demand Study*, the first of its kind, also includes a wide array of adaptation and mitigation strategies proposed by stakeholders and the public to address the projected imbalances.

The average imbalance in future supply and demand is projected to be greater than 3.2 million acre-feet by 2060, according to the study. One acre-foot of water is approximately the amount of water used by a single household in a year. The study projects that the largest increase in demand will come from municipal and industrial users, owing to population growth. The Colorado River Basin currently provides water to some 40 million people, and the study estimates that this number could nearly double to approximately 76.5 million people by 2060, under a rapid growth scenario.

“There’s no silver bullet to solve the imbalance between the demand for water and the supply in the Colorado River Basin over the next 50 years – rather, it’s going to take diligent planning and collaboration from all stakeholders to identify and move forward with practical solutions,” said Secretary Salazar. “Water is the lifeblood of our communities, and this study provides a solid platform to explore actions we can take toward a sustainable water future. Although not all of the proposals included in the study are feasible, they underscore the broad interest in finding a comprehensive set of solutions.”

Authorized by the 2009 SECURE Water Act, the study analyzes future water supply and demand scenarios based on factors such as projected changes in climate and varying levels of growth in communities, agriculture and business in the seven Colorado River Basin states of Arizona, California, Colorado, New Mexico, Nevada, Utah, and Wyoming.

The study includes more than 150 proposals from study participants, stakeholders and the public that represent a wide range of potential options to resolve supply and demand imbalances. Proposals include increasing water supply through reuse or desalinization methods, and reducing demand through increased conservation and efficiency efforts. The scope of the study does not include a decision as to how future imbalances should or will be addressed. Reclamation intends to work with stakeholders to explore in-basin strategies, rather than proposals - such as major trans-basin conveyance systems - that are not considered cost effective or practical.

“This study is one of a number of ongoing basin studies that Reclamation is undertaking through Interior’s WaterSMART Program,” said Assistant Secretary for Water and Science Anne Castle. “These analyses pave the way for stakeholders in each basin to come together and determine their own water destiny. This study is a call to action, and we look forward to continuing this collaborative approach as we discuss next steps.”

WaterSMART is Interior's sustainable water initiative and focuses on using the best available science to improve water conservation and help water-resource managers identify strategies to narrow the gap between supply and demand. The WaterSMART program includes Reclamation's Water and Energy Efficiency grants, Title XVI Reclamation and Recycling projects, and USGS's Water Availability and Use Initiative. "This study brings important facts and new information to the table so that we can better focus on solutions that are cost effective, practical and viable" said Bureau of Reclamation Commissioner Mike Connor. "We know that no single option will be enough to overcome the supply and demand gap, and this study provides a strong technical foundation to inform our discussions as we look to the future."

Spanning parts of the seven states, the Colorado River Basin is one of the most critical sources of water in the western United States. The Colorado River and its tributaries provide water to about 40 million people for municipal use; supply water used to irrigate nearly 4 million acres of land, and is also the lifeblood for at least 22 Native American tribes, 7 National Wildlife Refuges, 4 National Recreation Areas, and 11 National Parks. Hydropower facilities along the Colorado River provide more than 4,200 megawatts of generating capacity, helping meet the power needs of the West.

Throughout the course of the three-year study, eight interim reports were published to reflect technical developments and public input. Public comments are encouraged on the final study over the next 90 days; comments will be summarized and posted to the website for consideration in future basin planning activities.

The full study – including a discussion of the methodologies and levels of uncertainty – is available at [www.usbr.gov/lc/region/programs/crbstudy.html](http://www.usbr.gov/lc/region/programs/crbstudy.html). Hard copies of the Executive Summary and a CD of the entire study are available at the Study booth in the exhibitors' area during the Colorado River Water Users Association (CRWUA) conference in Las Vegas Dec. 12 – 14, 2012.

###

**<< Previous**

Secretary Salazar Provides  
Update on Resolution to Dr. Martin  
Luther King, Jr., Memorial

**Next >>**

Salazar Announces BLM Onshore  
Oil & Gas Lease Sales Garnered  
\$233 Million for Taxpayers in 2012



# United States Department of the Interior

BUREAU OF RECLAMATION  
Lower Colorado Regional Office  
P.O. Box 61470  
Boulder City, NV 89006-1470

IN REPLY REFER TO:  
YAO-7110  
WTR-4.00

**JAN 21 2013**

CERTIFIED – RETURN RECEIPT REQUESTED (70112970000076730497)

Mr. Kevin Kelley  
General Manager  
Imperial Irrigation District  
P.O. Box 937  
Imperial, CA 92251

Subject: Termination of Contract No. 5-07-30-W0323 (Contract) Between the United States and Imperial Irrigation District for Administration and Operation, Maintenance, and Replacement of the Lower Colorado Water Supply Project (LCWSP)

Dear Mr. Kelley:

As requested in your enclosed letter dated August 22, 2012, this letter notifies the Imperial Irrigation District (IID) that the subject Contract is hereby terminated effective December 31, 2012. As advised in the letter to IID from our Yuma Area Office (YAO) dated October 31, 2012, staff from our respective agencies met on November 16, 2012, to discuss details for the transfer of the administration and operation, maintenance, and replacement (OM&R) duties for the LCWSP from IID to the Bureau of Reclamation. IID staff provided Reclamation with various records related to the LCWSP at the meeting, including billing records, Replacement and Emergency Account statements, well maintenance logs, and pump efficiency reports.

The Replacement and Emergency Account funds have been transferred to the United States. Additionally, the following closeout activities are in progress:

- YAO will complete an OM&R transfer site visit with IID.
- IID will reconcile its OM&R costs for calendar year 2012 in the first quarter of 2013.

On behalf of Reclamation, I thank you and the staff at IID for the efforts and cooperation extended in the transfer of the LCWSP administration and OM&R duties. We look forward to working with IID to complete this transition. If you have questions regarding this matter, please contact Ms. Jennifer McCloskey, Area Manager at YAO, at 928-343-8124 or at [jmccloskey@usbr.gov](mailto:jmccloskey@usbr.gov).

Sincerely,

TERRANCE J. FULP, Ph.D.

Terrance J. Fulp, Ph.D.  
Regional Director

Enclosure

cc: See next page.

cc: Mr. Jesse Silva  
Manager, Water Department  
Imperial Irrigation District  
P.O. Box 937  
Imperial, CA 92251

Mr. John Curtis  
Assistant Manager, Water, Construction  
and Maintenance  
Imperial Irrigation District  
P.O. Box 937  
Imperial, CA 92251

Mr. Sylvester Jones  
Water Program Management Specialist  
Imperial Irrigation District  
P.O. Box 937  
Imperial, CA 92251

Mr. Joshua Scott  
Executive Program Manager  
Imperial Irrigation District  
P.O. Box 937  
Imperial, CA 92251

Mr. David Brownlee  
City Manager  
City of Needles  
817 Third Street  
Needles, CA 92363

Mr. Robert Hargreaves  
Attorney  
Best Best and Krieger, LLP  
74-760 Highway 111, Suite 200  
Indian Wells, CA 92210

✓ Ms. Tanya M. Trujillo  
Executive Director  
Colorado River Board of California  
770 Fairmont Avenue, Suite 100  
Glendale, CA 91203-1035

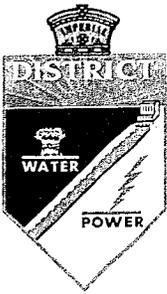
Mr. Jeff Kightlinger  
General Manager  
Metropolitan Water District  
of Southern California  
700 North Alameda Street  
Los Angeles, CA 90012-2944

Mr. Jan P. Matusak  
Principal Engineer  
Metropolitan Water District of  
Southern California  
700 North Alameda Street  
Los Angeles, CA 90012-2944

Ms. Kimber Liebhauser  
Field Manager, Lake Havasu Field  
Office  
Attention: Mr. Cory Bodman  
Bureau of Land Management  
2610 Sweetwater Avenue  
Lake Havasu City, AZ 86406-9071

Mr. John McDonald  
Field Manager, Yuma Field Office  
Bureau of Land Management  
2555 East Gila Ridge Road  
Yuma, AZ 85365

Mr. Jim Barrett  
Acting General Manager  
Coachella Valley Water District  
P.O. Box 1058  
Coachella, CA 92236  
(w/encl to each)



# IID

*A century of service.*

www.iid.com

August 22, 2012

Ms. Jennifer McCloskey  
Area Manager  
U. S. Bureau of Reclamation  
Yuma Area Office  
7301 Calle Agua Salada  
Yuma, AZ 85364

Dear Ms. McCloskey:

Subject: Lower Colorado Water Supply Project - Bureau of Reclamation Contract  
No. 5-07-30-W0323 (IID Project No. W-0040)

For nearly 20 years, the Imperial Irrigation District has performed administration and operation, maintenance, repair and replacement duties related to the subject project pursuant to the 1995 contract cited above. However, as the IID's resources have become increasingly limited over time, the duties have become an administrative burden to the district. Additionally, the nature of the work involved with the project is not part of the IID's core mission to provide water and energy service to its communities for the sustained benefit of the regional economy.

We understand the bureau's core activities include operation and maintenance of groundwater wells as part of the Yuma Area Office's ongoing mission and that your staff has the expertise necessary to efficiently administer and maintain the project. Therefore, the IID respectfully requests to be relieved of the administration and OMR&R duties of the project through termination of the subject contract and for the bureau to assume those associated duties.

Please contact Joshua Scott at (760) 339-9425 or by email at [jmscott@iid.com](mailto:jmscott@iid.com) at your earliest convenience to discuss the details of this request.

Sincerely,

Kevin E. Kelley  
General Manager

cc: Jesse Silva, IID  
Cindy Matejovsky, IID  
Sylvester Jones, IID

*Irrigation District IID,  
5-07-30-W0323*

OFFICIAL FILE COPY - YAO

RECEIVED DATE AUG 27 2012

IMH Code WTR-4.00

Control No. 12055275

Folder No. 1900-3

Project Name/No.  
3437

# RECLAMATION

## *Managing Water in the West*

### **Project: Lower Colorado Water Supply Project Stage II – Planning Stakeholders Meeting**

#### **-Meeting Minutes-**

Date: 1/24/2013 @ 1:00 pm – 1:45 pm  
Yuma Area Office  
Via LiveMeeting/Conference Call  
Conference Room: 120

#### **Meeting Attendees:**

Hargreaves, Robert (BB&K)  
Matusak, Jan (MWD)  
Bartlett, Sarah (MWD)  
Chen, Jay (CRB)  
Liu, Lindia (CRB)  
Bodman, Cory (BLM)

Norton, Fran (BLM)  
Land, Michael (USGS)  
Coes, Alissa (USGS)  
Jones, Sylvester (IID)  
McCloskey, Jennifer (USBR)  
Ramirez, Maria (USBR)

Wallis, Christopher (USBR)  
Condit, James (USBR)  
Flores, Cindy (USBR)  
Williams, Dedina (USBR)  
Herrera, Jennifer (USBR)  
Lee, Jose (USBR)

#### **Scope:**

Stage II of the Lower Colorado Water Supply Project (Project) will consist of the addition of wells sufficient to pump, in conjunction with existing Project wells, no more than 10,000 acre-feet of water annually as specified in Public Law 99-655 & 109-103.

#### **O&M Transfer**

- LCWSP Project Sponsor stated that the O&M transfer of the LCWSP Stage I wells has been completed and the agreement was signed by Reclamation's LC Regional Director.

#### **Project Update – Presentation by Reclamation**

- Project status
  - Planning Phase approximately 80% complete
  - Budget balance: \$90,000.00 out of \$320,00.00
  - Pending items to complete: pre-design, power supply contract, execute funding agreement, and final construction planning
- Well site locations were reviewed
- Accomplishments were reviewed
- Stakeholders concurred with the following scope, cost, and schedule estimates:



**RESOLUTION**  
**of the**  
**COLORADO RIVER BOARD OF CALIFORNIA**  
**Regarding**  
**Potential Applicants to Receive**  
**Lower Colorado Water Supply Project Water**  
**2013-1**

**WHEREAS**, the United States Congress, on November 14, 1986, enacted the Lower Colorado Water Supply Act (P.L. 99-655) (Project) to provide a limited amount of Colorado River water to be made available on an exchange basis to entities in California, whose lands or interest in lands are located adjacent to the Colorado River, and who either do not have a contractual entitlement or insufficient entitlement to use Colorado River water; and

**WHEREAS**, the U.S. Bureau of Reclamation (Reclamation) declared Stage 1 of the Project facilities substantially complete, with a capacity of 5,000 acre-feet per year, on October 1, 1996; and

**WHEREAS**, the Imperial Irrigation District and Reclamation agreed that Stage 1 of the Project facilities were complete and ready for operation as of January 1, 2000; and

**WHEREAS**, the City of Needles, on September 10, 1992, agreed to assume the administrative responsibility for Project beneficiaries in San Bernardino County; and

**WHEREAS**, the City of Needles, on July 3, 2002, amended its contract with Reclamation to include the administrative responsibilities for Project beneficiaries in Riverside and Imperial Counties; and

**WHEREAS**, the Colorado River Board has been designated as the responsible agency to provide its recommendation to Reclamation regarding the eligibility of a non-federal applicant to receive Project water; and

**WHEREAS**, the Colorado River Board on September 14, 2001, notified owners of property within the Colorado River flood plain and/or the accounting surface as delineated by the U.S. Geological Survey in California of the availability of Project water; and

**WHEREAS**, the staff of the Colorado River Board on February 13, 2013, submitted a list of eligible applicants to the Board for its recommendation;

**WHEREAS**, the staff of the Colorado River Board continues to receive applications and reviews them for eligibility to receive Project water.

**NOW, THEREFORE, BE IT RESOLVED THAT** the Colorado River Board hereby recommends subcontracts for Project water be offered to those applicants listed on the attachment and directs the Executive Director to forward the applications to Reclamation with its recommendation with the following provisos:

- (1) These applicants appear to be eligible to receive Project water, as shown in the attached table and summarized below:

County	Numbers of Parcels	Current Use (AF/YR)	Future Use (AF/YR)	Total (AF/YR)
Imperial	0	0	0	0
Riverside	0	0	0	0
San Bernardino	2	4	0	4
Total	2	4	0	4

It is noted that as a subcontract with each applicant is prepared, there will be further verification of each applicant's eligibility; and

- (2) At the time a subcontract is prepared, the annual quantity of water to be diverted, consumptively used, and returned will be refined to specify quantities of water to be reported in accordance with Article V in the Consolidated Decree in *Arizona v. California, et al.* entered March 27, 2006, (547 U.S. 150 (2006));
- (3) Reclamation should include provisions in the subcontract that the water be put to reasonable beneficial use within a ten-year period of time, subject to renewal for another ten-year period.

Unanimously adopted on February 13, 2013.

State of California        )  
   ) ss.  
 County of Los Angeles    )

I, TANYA M. TRUJILLO, Executive Director of the Colorado River Board of California, do hereby certify that the foregoing is a true copy of a resolution adopted by said Board at a Regular Meeting thereof, duly convened and held in Ontario, California, on the thirteenth day of February, 2013, at which time a quorum of said Board was present and acting throughout.

Dated this thirteenth day of February, 2013.

Tanya M. Trujillo  
 Executive Director