

COLORADO RIVER BOARD OF CALIFORNIA

770 FAIRMONT AVENUE, SUITE 100
GLENDALE, CA 91203-1068
(818) 500-1625
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March 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: March 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.

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 M. Trujillo".

Tanya M. Trujillo
Executive Director

attachment: Agenda

Regular Meeting
COLORADO RIVER BOARD OF CALIFORNIA
March 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**) TAB 1
 - b. Minutes of the Information Meeting held February 13, 2013,
Consideration and Approval (**Action**) TAB 2
4. Protection of Existing Rights
 - a. Colorado River Water Report(s) TAB 3
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 TAB 4
Reports on current water supply and use conditions
 - c. Colorado River Operations TAB 5
 - Review of Reclamation's Forecast of 2012
 - Report on the Status of the Lower Colorado Water Supply Project
 - Approval of Lower Colorado Water Supply Project Applications (**Action**)
 - Reports on the Glen Canyon Dam Adaptive Management Work Group
Meeting and Status of LTEMP Process
 - Report on the Recent Salinity Control Workgroup Meeting
 - d. Basin States Discussions TAB 6
 - Minute 319 Updates
 - Status of the Colorado River Basin Water Supply and Demand Study
(Basin Study)

Agenda (continued)

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.

6. Other Business

a. Next Board Meeting: Regular Meeting

April 10, 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 14th 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 14th 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 75th 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 75th 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 75th 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 75th anniversary.

PROTECTION OF EXISTING RIGHTS

Colorado River Water Report

Ms. Trujillo reported that precipitation in the Colorado River Basin, as of December 1st, was about 63 percent of average. The snowpack water equivalent as of December 3rd 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 12th, to discuss the drought.

Ms. Trujillo reported that, as of December 1st, 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 1st.

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 3rd, 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 19th and concluded on November 23rd. 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 20th 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 75th 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 20th, 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 12th, 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

3.b. - Approval February 13, 2013, Information Meeting Minutes

Minutes of Information Meeting
COLORADO RIVER BOARD OF CALIFORNIA
Wednesday, February 13, 2013

An Information Meeting of the Colorado River Board of California (Board) was held in the Vineyard Room, at the Holiday Inn Ontario Airport, at 2155 East Convention Center Way, Ontario, California, Wednesday, February 13, 2013.

Board Members Present

Dana B. Fisher, Jr., Chairman
James Cleo Hanks
David R. Pettijohn

Christopher G. Hayes, Designee
Department of Fish and Game

Jeanine Jones, Designee
Department of Water Resources

Board Members and Alternate Absent

John V. Foley
Franz W. De Klotz

John Palmer Powell, Jr.
Bill D. Wright

Others Present

Steven B. Abbott
Autumn Ashurst
James E. Barrett
Stephen W. Benson
John Penn Carter
J.C. Jay Chen
Dan Denham
Leslie M. Gallagher
Jennifer Goodsell
Christopher S. Harris
William J. Hasencamp
Thomas G. Havens
Michael T. Hogan
Michael W. Hughes
Richard Johnson

Thomas E. Levy
Jan P. Matusak
Doug McPherson
Glen D. Peterson
William D. "Bud" Pocklington
Tom J. Ryan
Halla Razak
Tina L. A. Shields
Ed W. Smith
Catherine M. Stites
Tanya M. Trujillo
Meena Westford
David Vigil
Mark Van Vlack
Gerald R. Zimmerman

CALL TO ORDER

Chairman Fisher announced that a quorum was not present so the meeting was an informational meeting only. He called the informational meeting to order at 10:16 a.m.

ADMINISTRATION

Executive Director Tanya Trujillo requested that Board staff introduce themselves and describe their positions.

Executive Director and Chairman of the Board visit Sacramento

Ms. Trujillo reported that she and Chairman Fisher met with representatives and staff of the California executive and legislative branches in Sacramento, on February 4th and 5th. Chairman Fisher added that the meetings went well and that they were well received by all of the directors, representatives and staff they met with in Sacramento.

PROTECTION OF EXISTING RIGHTS

Colorado River Water Report

Ms. Trujillo reported that Colorado River Basin reservoir storage from October 1st to February 1st in Lake Powell was about 12.17 maf or 50 percent of capacity, storage in Lake Mead was 13.83 maf, or 53 percent of capacity, overall System storage was 32.78 maf, or 55 percent of capacity. System storage at this time last year was 38.32 maf, or 64 percent of capacity, about ten percent greater than current System storage. As of February 4th precipitation was 78 percent of normal. The snow water equivalent was 83 percent of normal. Reclamation's projection of unregulated inflow into Lake Powell was 3.85 million acre-feet (maf) for April through July 2013, or 54 percent of average. The water year projection from October 1, 2012 through September 30, 2013 was 5.80 maf, or about 54 percent of average.

Ms. Trujillo reported that Reclamation's forecast of estimated consumptive use (CU) during calendar year 2012 was for the State of Nevada to be under its apportionment of 300,000 acre-feet (i.e. 236,000 acre-feet). Arizona was also estimated to use less than its apportionment of 2.8 maf (i.e. 2.796 maf), and California is expected to be slightly over its basic entitlement of 4.4 maf (i.e. 4.420 maf). The total Lower Division States are estimated to be at 7.452 maf. In 2011, the Lower Basin CU was about 7.321 maf.

State and Local Water Reports

Ms. Jeanine Jones, of the California Department of Water Resources, reported that there were a few wet storms in late November and early December, but since then it's been dry except in the extreme north of the state where it is about average for this time of year. Fortunately, the water year began with most of the states' reservoir storage above average.

Chairman Fisher asked whether adjustments were anticipated regarding releases through the Delta. Ms. Jones reported that the Federal Central Valley Project has not yet announced the allocations for this year, but it is expected within the next week or two. The initial and current State Water Project Table A allocations are 40 percent and have not yet been adjusted. Under the current Biological Opinion, the take limit on the Delta Smelt at the Clifton Court Bay pumping facility is at 75 percent of the threshold through June of this year, so pumping has been reduced in order to stay under the take limit. If the threshold is reached, a mandatory consultation with the U.S. Fish and Wildlife Service is triggered.

Mr. Glen Peterson, of The Metropolitan Water District of Southern California (MWD), added that there would be a press conference on February 13th dealing with this issue by Westlands Water District, MWD and other State Water Project contractors in the area. He also mentioned that recent reductions in turbidity may inadvertently reduce the number of Delta Smelt taken at the Clifton Court Bay Pumping Plant. Mr. Peterson reported that as of February 1st, MWD's combined reservoir storage of Lakes Skinner, Mathews, and Diamond Valley, was about 844,900 acre-feet, or about 82 percent of capacity. As of February 1st, Lake Mathews had about 105,300 acre-feet, or 58 percent of capacity. Lake Skinner had about 38,300 acre-feet or about 87 percent of capacity. Diamond Valley Lake had about 701,400 acre-feet in storage, or about 87 percent of capacity. Mr. Peterson reported that total deliveries for calendar year 2012 were about 1.81 maf, or 86 percent of the ten-year average of 2.10 maf.

Mr. Pettijohn, of the City of Los Angeles Department of Water and Power, reported that as of February 5th, the Eastern Sierra Snow Survey results started out great, but recently have essentially flat lined and are currently slightly above average.

Mr. Pettijohn reported that prior to the 1980's, exports from the Owens Valley averaged about 450,000 acre-feet per year. However, environmental reallocations, including the Owens Lake dust control remediation project, have reduced the available supply by about 100,000 acre-feet per year, and that the average Owens Valley exports are now about half of what they used to be.

Colorado River Operations

Resignation of the Secretary of the Department of the Interior Ken Salazar

Ms. Trujillo reported that Department of the Interior Secretary Ken Salazar announced his resignation on January 16th, effective in March 2013. On February 6th, President Obama announced his nomination of Ms. Sally Jewell, CEO of REI, to be the next Secretary of the Interior. The next step for Ms. Jewell is confirmation by the Senate.

Status of the Long Term Experimental Management Plan (LTEMP) Environmental Impact Statement and the Adaptive Management Work Group

Ms. Trujillo reported that on February 8th the Department of the Interior (DOI) met with representatives of the Basin States to discuss the technical details of the States' alternative for the LTEMP – EIS called the "Resource Targeted Condition-Dependant Alternative". DOI anticipates a draft LTEMP-EIS by the end of December 2013. Discussions will continue during a half-day session on the LTEMP at the Glen Canyon Dam Adaptive Management Work Group's (AMWG) annual meeting, scheduled for February 20th and 21st in Tempe, Arizona.

Status of the Salinity Control Forum and Work Group

Ms. Trujillo reported that Salinity Control Forum and Work Group is currently meeting in San Diego and Ms. Liu of the Board's staff is attending. A report on the Salinity Control Forum and Work Group will be made at the next Board meeting. Ms. Trujillo reported that in January, Reclamation issued a Scoping Report in connection with the EIS for the brine removal operations at the Paradox Valley Unit in Southwestern Colorado. The Scoping Report evaluates replacement options for the deep-injection well that is nearing the end of its life. A proposed evaporation pond

pilot study is being considered. It is anticipated that selection and implementation of a project will be in place before the Paradox Valley Unit fails.

Revised Schedule of Calendar Year 2012 Water Deliveries to Mexico

Ms. Trujillo reported that on December 26, 2012, Reclamation notified the International Boundary and Water Commission (IBWC) that a revision to the schedule of water deliveries to Mexico had been approved. Mexico's Comisión Nacional del Agua (CONAGUA) requested an additional downward delivery adjustment of 748.7 acre-feet for the month of December 2012. The downward delivery adjustment was made pursuant to Minute 318. In Calendar Year 2012, 1,228 maf was delivered at the Northerly International Boundary of the Colorado River and 0.139 maf was delivered at the Southerly International Boundary of the Colorado River. The total downward delivery adjustment totals 133,000 acre-feet, and is being stored in the Colorado River reservoir system.

Minute 319 Updates and Next Steps

Ms. Trujillo reported that since Minute 319 was signed on November 20, 2012, Reclamation and the IBWC have coordinated regarding implementation efforts. The Principal Engineers from Reclamation, IBWC, and their Mexican counterparts are currently meeting to initiate a process to form Small Bi-National Teams for specific projects that could include: Water Accounting; Hydrology; Reforma Canal Lining; Rosarito Desalination Plant; All-American Canal Turnout; and an Environmental Work Group. Ms. Trujillo reported that a coordination call is scheduled for the afternoon of February 13th.

Basin States Discussions

Colorado River Basin Water Supply and Demand Study Report (Basin Study Report) – Update and Next Steps

Ms. Trujillo reported that the Final Basin Study Report was released on December 12, 2012. The Basin States and DOI are planning educational workshops to be held in the Upper and Lower Basins. After the workshops have been held, small groups would be formed to begin the implementation as described in Section 10 of the Basin Study Report of Future Considerations and Next Steps. Small groups would be formed to look more closely at municipal conservation and reuse and agricultural conservation and transfers. DOI received feedback from the Native American Tribes and DOI has agreed to meet with Tribes and consider tribal water uses and issues that would be evaluated as part of the Basin Study process.

Mr. Trujillo reported that additional white papers may be prepared that address other categories within Section 10: creation and use of water banks; system augmentation; watershed management; tribal water; environmental flows; data and tool development; climate science; and partnerships. There is a planning meeting scheduled for February 22nd to continue discussions.

Status of the Lower Colorado Water Supply Project

Ms. Trujillo suggested that the Lower Colorado Water Supply Project discussion and action be deferred until the next Board meeting. Chairman Fisher concurred.

OTHER BUSINESS

Next Board Meeting

Chairman Fisher announced that the next meeting of the Colorado River Board will be held on Wednesday, March 13, 2013, at 10:00 a.m., at the Holiday Inn Ontario Airport, at 2155 East Convention Center Way, Ontario, California.

There being no further items to be brought before the Board, Chairman Fisher called the informational meeting to an end at 11:13 a.m. on February 13, 2013.

Tanya M. Trujillo
Executive Director

4.a. - Colorado River Water Report

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

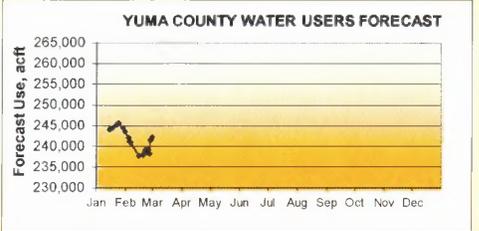
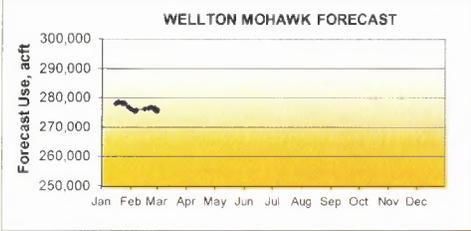
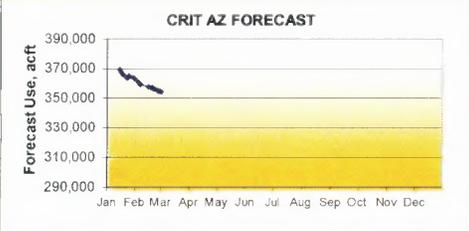
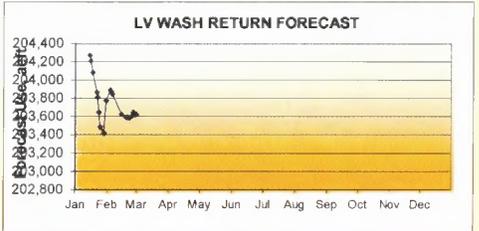
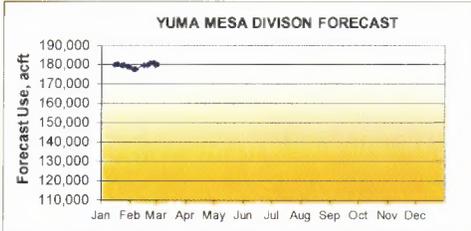
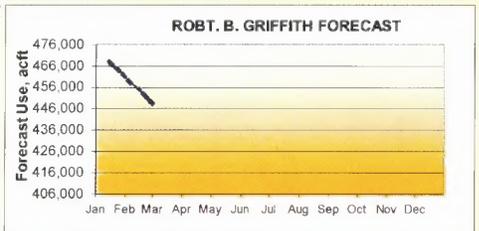
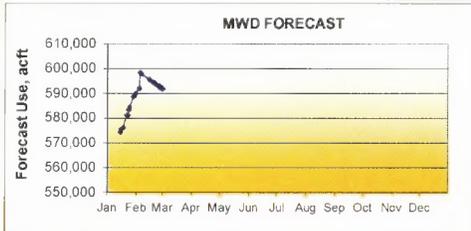
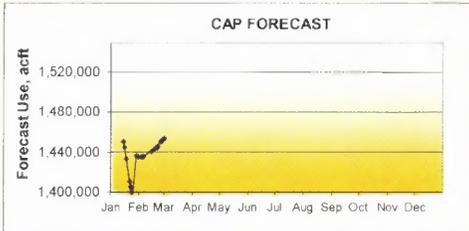
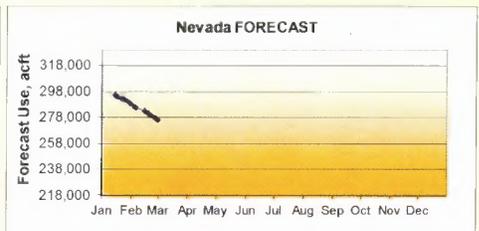
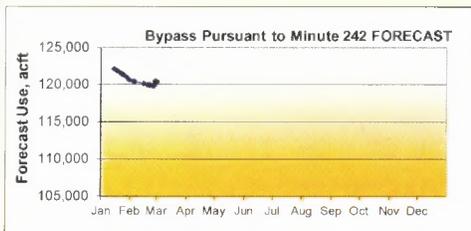
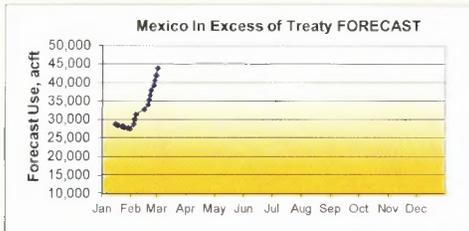
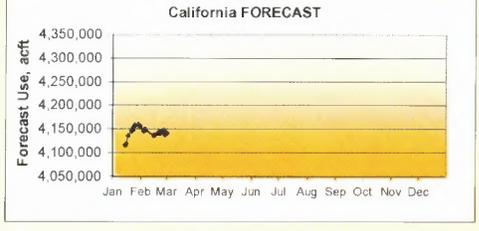
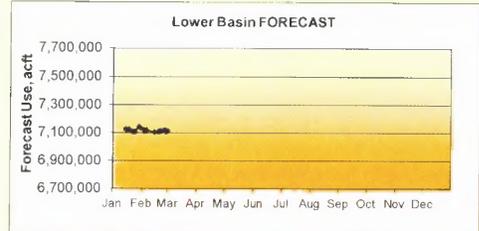
RESERVOIR STORAGE (as of February 28)	March 1, 2013			February 1, 2013		
	MAF	ELEV. IN FEET	% of Capacity	MAF	ELEV. IN FEET	% of Capacity
Lake Powell	11.891	3,601.5	49	12.177	3,604.4	50
Flaming Gorge	2.967	6,019.6	79	2.981	6,020.0	80
Navajo	0.938	6,022.7	55	0.947	6,023.8	56
Lake Mead	13.810	1,122.1	53	13.828	1,122.3	53
Lake Mohave	1.666	641.8	92	1.650	641.2	91
Lake Havasu	0.582	448.1	94	0.580	448.0	94
Total System Storage	32.443		54	32.777		55
System Storage Last Year	37.935		64	38.323		64

		February 4, 2013	
WY 2013 Precipitation (Basin Weighted Avg) 10/01/12 through 3/04/13	75 percent (11.5")	77 percent (9.3")	
WY 2013 Current Basin Snowpack (Basin Weighted Avg) on day of 3/04/13 (Above two values based on average of data from 116 sites.)	79 percent (10.4")	83 percent (8.1")	
		February 4, 2013	
February 19, 2013 Forecast of Unregulated Lake Powell Inflow	MAF	% of Normal	MAF % of Avg.
2013 April through July unregulated inflow	3.750	52 %	4.000 56%
2013 Water Year	5.735	53 %	6.017 56%

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

WATER USE SUMMARY	Use To Date CY2013	Forecast Use CY2013	Approved Use /2 CY2013	Excess to Approval CY2013
ARIZONA	311,488	2,697,507	2,799,391	-101,884
CALIFORNIA	414,798	4,142,304	4,112,917	29,387
NEVADA	16,839	276,465	300,000	-23,535
STATES TOTAL /3	743,125	7,116,276	7,212,308	-96,032
MEXICO IN SATISFACTION OF TREATY (Including downward del to MEXICO AS SCHEDULED)	300,824	1,544,050	1,500,000	44,050
MEXICO IN EXCESS OF TREATY	19,050	44,050		
BYPASS PURSUANT TO MINUTE 242	19,565	120,496		
TOTAL LOWER BASIN & MEXICO	1,063,514	8,780,822		

- 1/ Incorporates Jan-Jan USGS monthly data and 77 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.

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 \(Water Accounting Reports\)](#)

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.

WATER USER	Use	Forecast	Estimated	Excess to	Diversion	Forecast	Approved	Excess To
	To Date	Use	Use	Estimated				
	CY2013	CY2013	CY2013	Use	To Date	Diversion	Diversion	Approved
				CY2013	CY2013	CY2013	CY2013	Diversion
								CY2013
CALIFORNIA PUMPERS	217	1,725	1,725	---	392	3,119	3,119	0
FORT MOJAVE INDIAN RESERVATION, CA	556	8,524	8,910	---	1,033	15,847	16,565	-718
CITY OF NEEDLES (includes LCWSP use)	243	1,931	1,931	0	342	2,720	2,720	0
METROPOLITAN WATER DISTRICT	64,293	592,179	563,511	---	64,793	595,468	<i>566,615</i>	---
COLORADO RIVER INDIAN RESERVATION, CA	466	3,705	3,705	---	1,176	9,345	9,345	0
PALO VERDE IRRIGATION DISTRICT	26,331	436,214	437,084	---	94,366	948,315	947,155	1,160
YUMA PROJECT RESERVATION DIVISION	3,386	46,294	47,023	---	8,769	98,072	99,900	-1,828
YUMA PROJECT RESERVATION DIVISION - INDIAN UNIT	---	---	---	---	3,873	47,317	48,600	-1,283
YUMA PROJECT RESERVATION DIVISION - BARD UNIT	---	---	---	---	4,896	50,753	51,300	-547
YUMA ISLAND PUMPERS	484	3,845	3,845	---	874	6,950	6,950	0
FORT YUMA INDIAN RESERVATION - RANCH 5	0	966	1,046	---	0	1,746	1,891	-145
IMPERIAL IRRIGATION DISTRICT	277,871	2,634,368	2,626,340	8,028	278,031	2,730,659	<i>2,731,917</i>	---
SALTON SEA SALINITY MANAGEMENT	5,119	70,000	70,000	0	5,317	72,270	72,270	---
COACHELLA VALLEY WATER DISTRICT	35,757	341,757	347,000	-5,243	36,594	350,769	361,165	---
OTHER LCWSP CONTRACTORS	75	599	599	---	122	967	967	0
CITY OF WINTERHAVEN	0	69	69	---	0	104	104	0
CHEMEHUEVI INDIAN RESERVATION	0	128	6,101	---	1,427	11,340	11,340	0
TOTAL CALIFORNIA	414,798	4,142,304			502,005	4,847,691	4,832,023	
FORT YUMA INDIAN RESERVATION /1	---	---	---	---	4,261	52,182	53,610	-1,428

CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION

California Basic Apportionment	4,400,000
Payback of IOPP Overrun (IID, Ft Mojave)	-62,083
Intentionally Created Surplus Water (IID)	-25,000
Creation of Extraordinary Conservation ICS (MWD)	-200,000
Total State Adjusted Apportionment	4,112,917
Excess to Total State Adjusted Apportionment	29,387

ISG ANNUAL TARGET COMPARISON CALCULATION

Priorities 1, 2, 3b Use (PVID+YPRD+Island+PVID Mesa)	486,353
MWD Adjustment	-66,353
Total California Agricultural Use (PVID+YPRD+Island+IID+CVWD)	3,462,478
California Agricultural Paybacks	-62,000
Misc. PPRs Covered by IID and CVWD	14,500
California ICS Creation (IID ICS)	25,000
Total Use for Target Comparison ¹	3,373,625
ISG Annual Target (Exhibit B)	3,462,000
Amount over/(under) ISG Annual Target	(88,375)

NOTES:

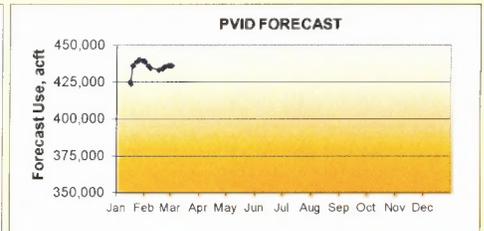
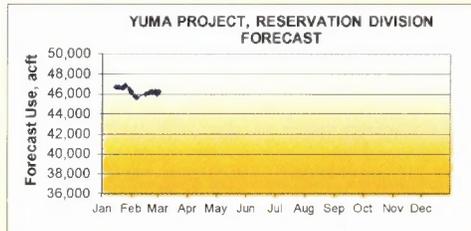
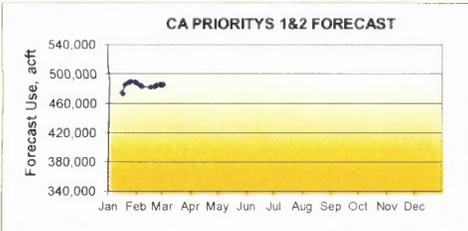
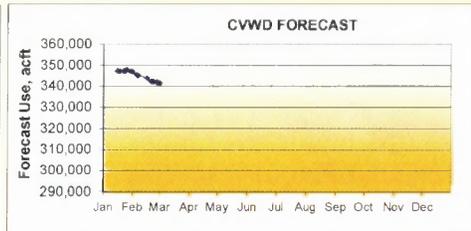
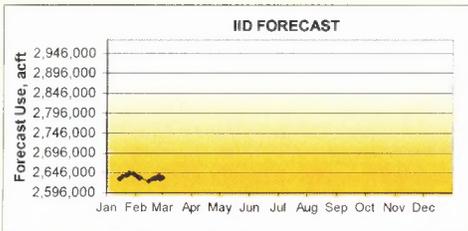
Ranch 5

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



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	2,066	2,066	2,066	---	3,735	3,735	3,735	0
FORT MOJAVE INDIAN RESERVATION, CA	8,860	8,862	8,994	---	16,473	16,473	16,720	-247
CITY OF NEEDLES (includes LCWSP use)	1,887	1,887	1,887	0	2,230	2,230	2,720	-490
METROPOLITAN WATER DISTRICT	736,116	736,116	714,789	21,327	739,014	739,014	717,900	---
COLORADO RIVER INDIAN RESERVATION, CA	3,705	3,705	5,450	---	9,345	9,345	9,345	0
PALO VERDE IRRIGATION DISTRICT	362,023	362,023	372,958	---	893,880	893,880	899,691	-5,811
YUMA PROJECT RESERVATION DIVISION	48,183	48,183	47,711	---	96,794	96,794	104,000	-7,206
YUMA PROJECT RESERVATION DIVISION - INDIAN UNIT	---	---	---	---	45,660	45,660	48,500	-2,840
YUMA PROJECT RESERVATION DIVISION - BARD UNIT	---	---	---	---	51,134	51,134	55,500	-4,366
YUMA ISLAND PUMPERS	6,660	6,660	6,660	---	12,042	12,042	12,042	0
FORT YUMA INDIAN RESERVATION - RANCH 5	515	515	860	---	932	932	1,556	-625
IMPERIAL IRRIGATION DISTRICT	2,903,432	2,903,432	2,741,459	161,973	2,897,817	2,897,814	2,809,006	---
SALTON SEA SALINITY MANAGEMENT	15,110	15,110	15,219	-109	16,081	16,081	15,715	---
COACHELLA VALLEY WATER DISTRICT	329,606	329,607	331,027	-1,420	344,952	344,952	339,790	---
OTHER LCWSP CONTRACTORS	635	635	635	---	1,006	1,006	1,006	0
CITY OF WINTERHAVEN	72	72	72	---	108	108	108	0
CHEMEHUEVI INDIAN RESERVATION	128	128	6,101	---	11,340	11,340	11,340	0
TOTAL CALIFORNIA	4,418,998	4,419,001			5,142,543	5,045,746	4,944,674	
FORT YUMA INDIAN RESERVATION /1	---	---	---	---	50,292	50,327	53,791	-3,465

CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION

California Basic Apportionment	4,400,000
Early Payback of 2013 IOPP Overrun (IID)	(448)
Unused Nevada to be Stored with MWD	62,573
Intentionally Created Surplus Water (IID)	(25,000)
Creation of Extraordinary Conservation ICS (MWD)	(178,673)
Total State Adjusted Apportionment	<u>4,258,452</u>
Excess to Total State Adjusted Apportionment	160,549

ISG ANNUAL TARGET COMPARISON CALCULATION

Priorities 1, 2, 3b Use (PVID+YPRD+Island+PVID Mesa)	416,866
MWD Adjustment	0
IOPP Overruns (IID)	(161,973)
Total California Agricultural Use (PVID+YPRD+Island+IID+CVWD)	3,649,905
California ICS Creation (IID ICS)	25,000
Misc. PPRs Covered by IID and CVWD	14,500
MWD-CVWD Exchange	0
Total Use for Target Comparison ²	<u>3,527,432</u>
ISG Annual Target (Exhibit B)	<u>3,470,000</u>
Amount over/(under) ISG Annual Target	57,432

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

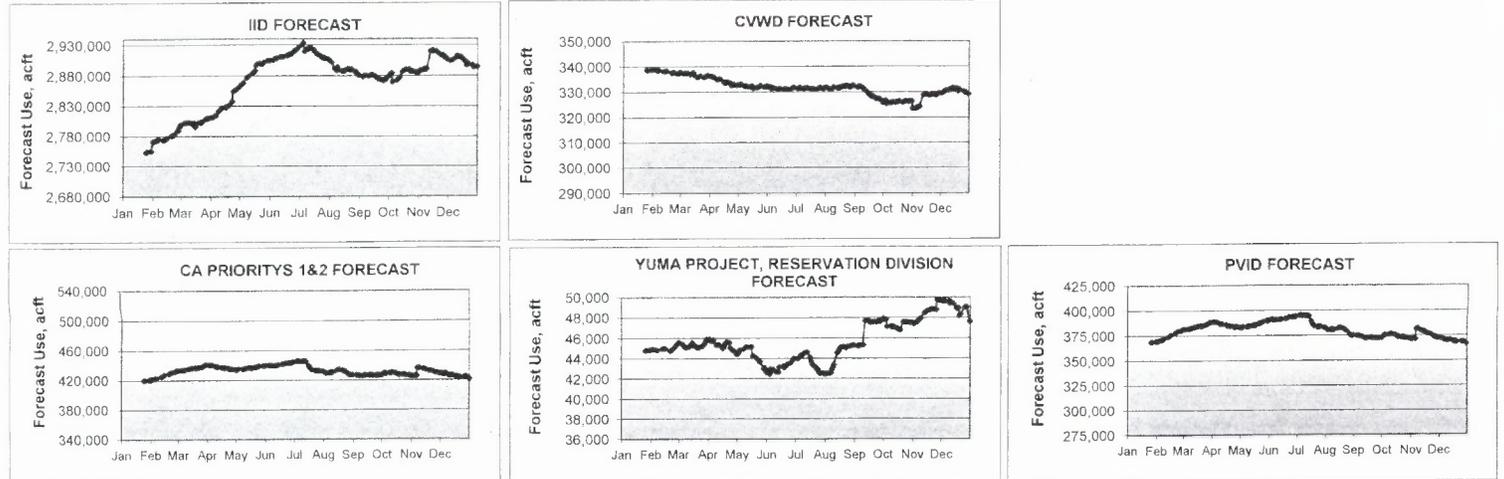


Figure 1. Total Colorado River Basin Storage as of March 2013

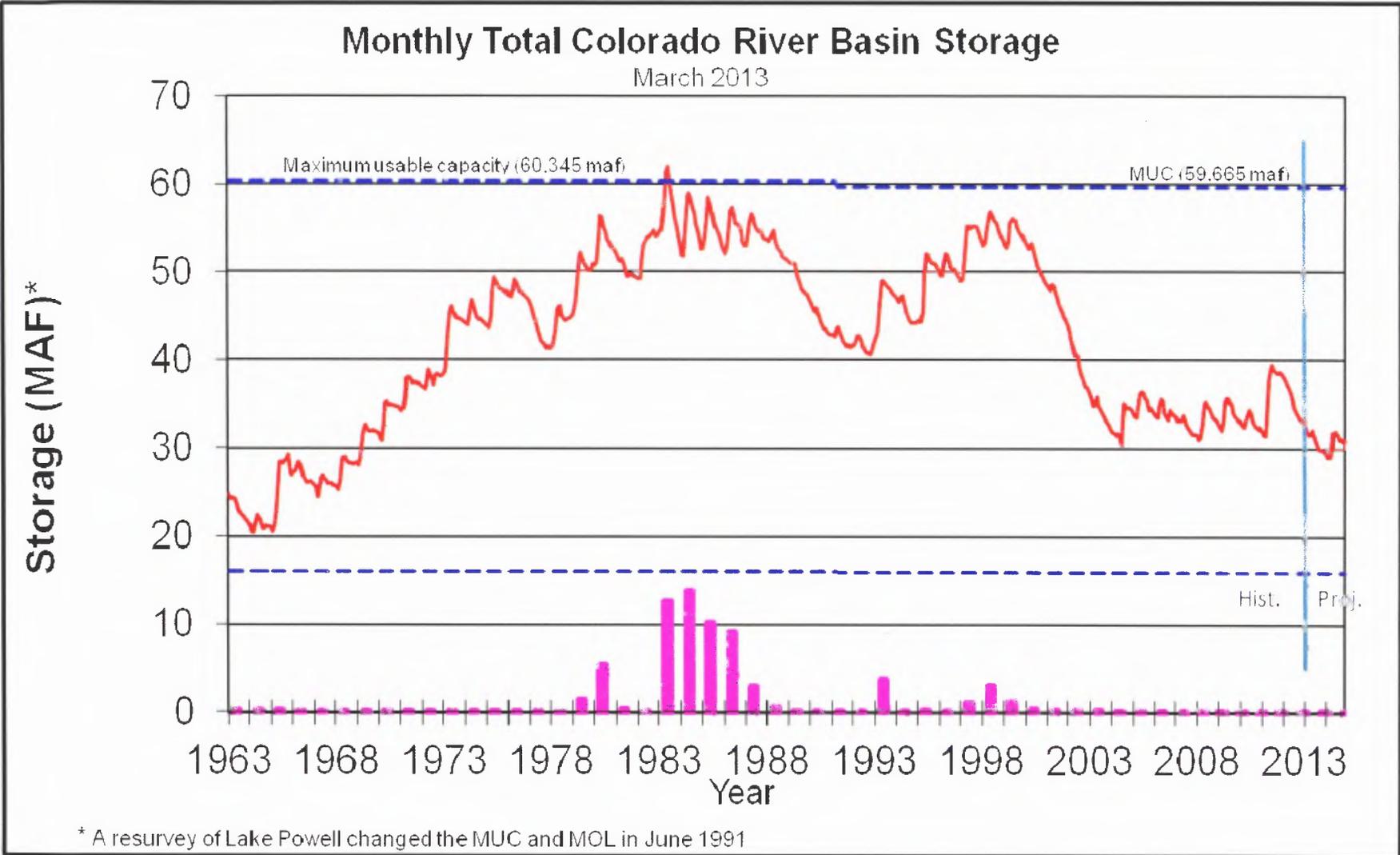


Figure 2. Lakes Powell and Mead Monthly Pool Elevation Levels

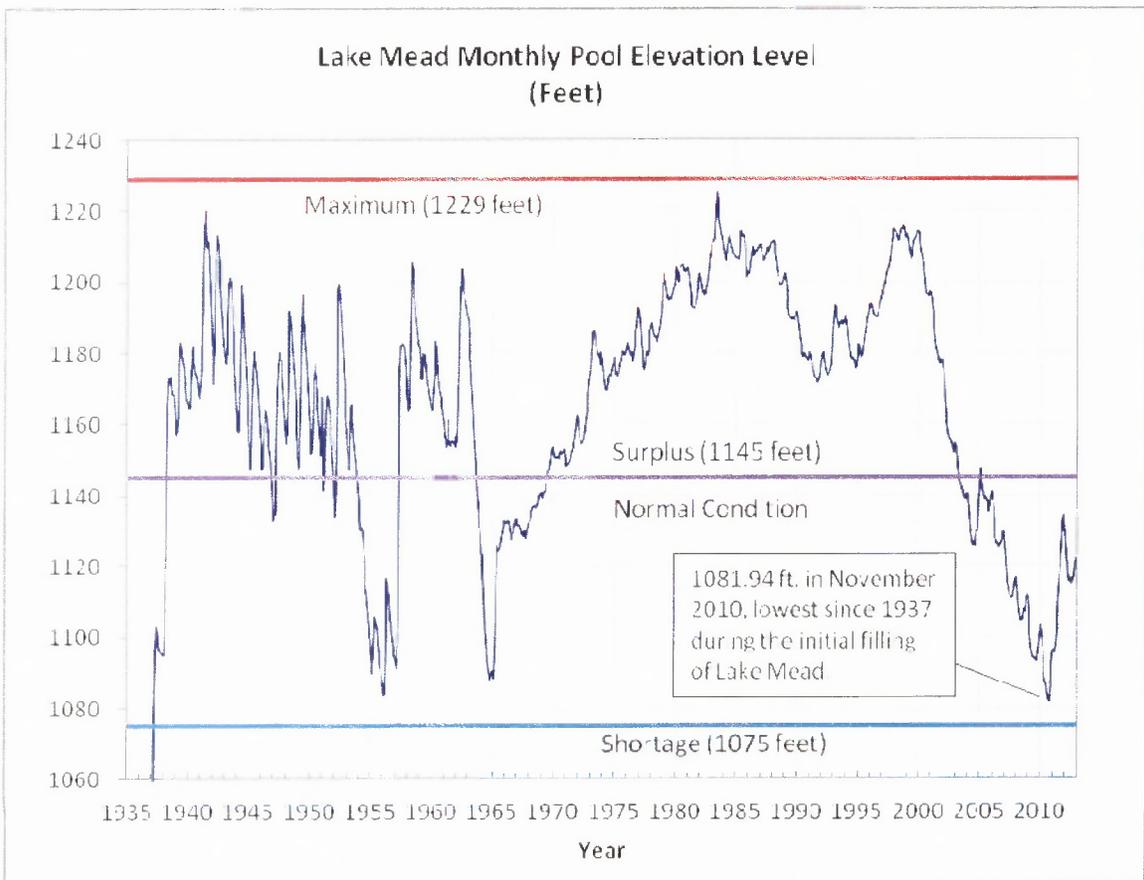
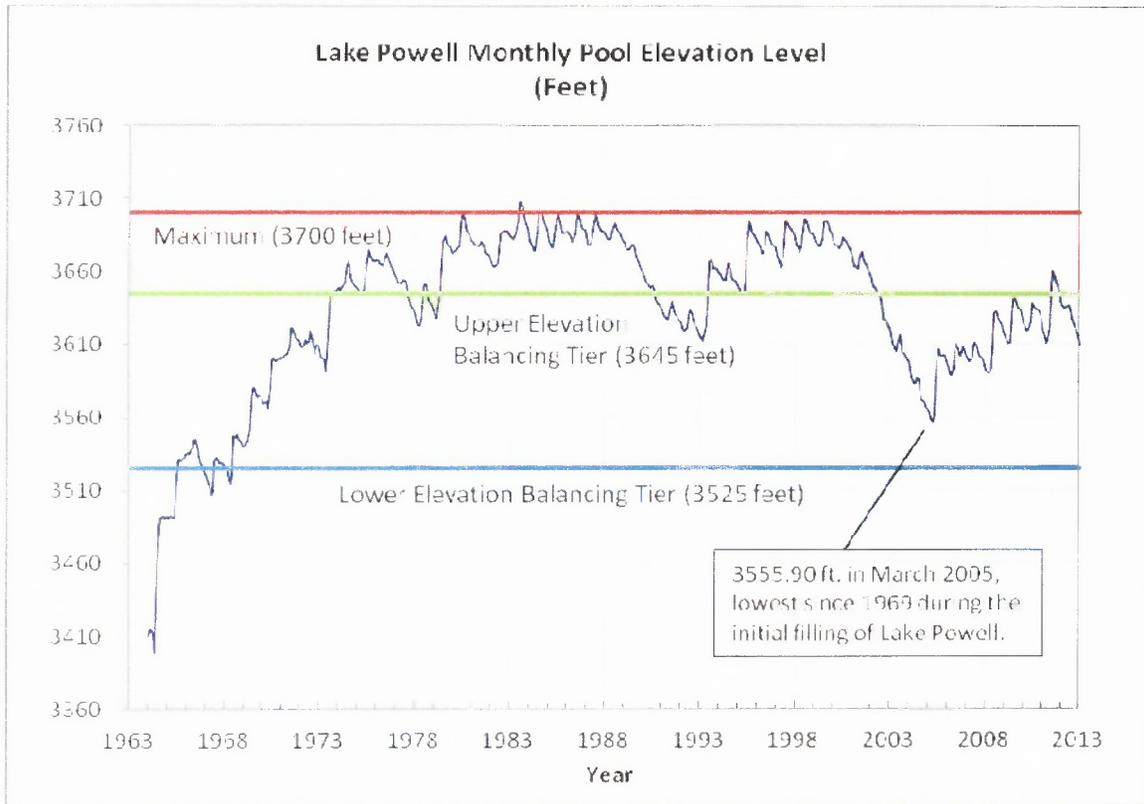


Figure 3. SNOTEL Water-Year-To-Date (WYTD) SWE for the CO headwaters basin

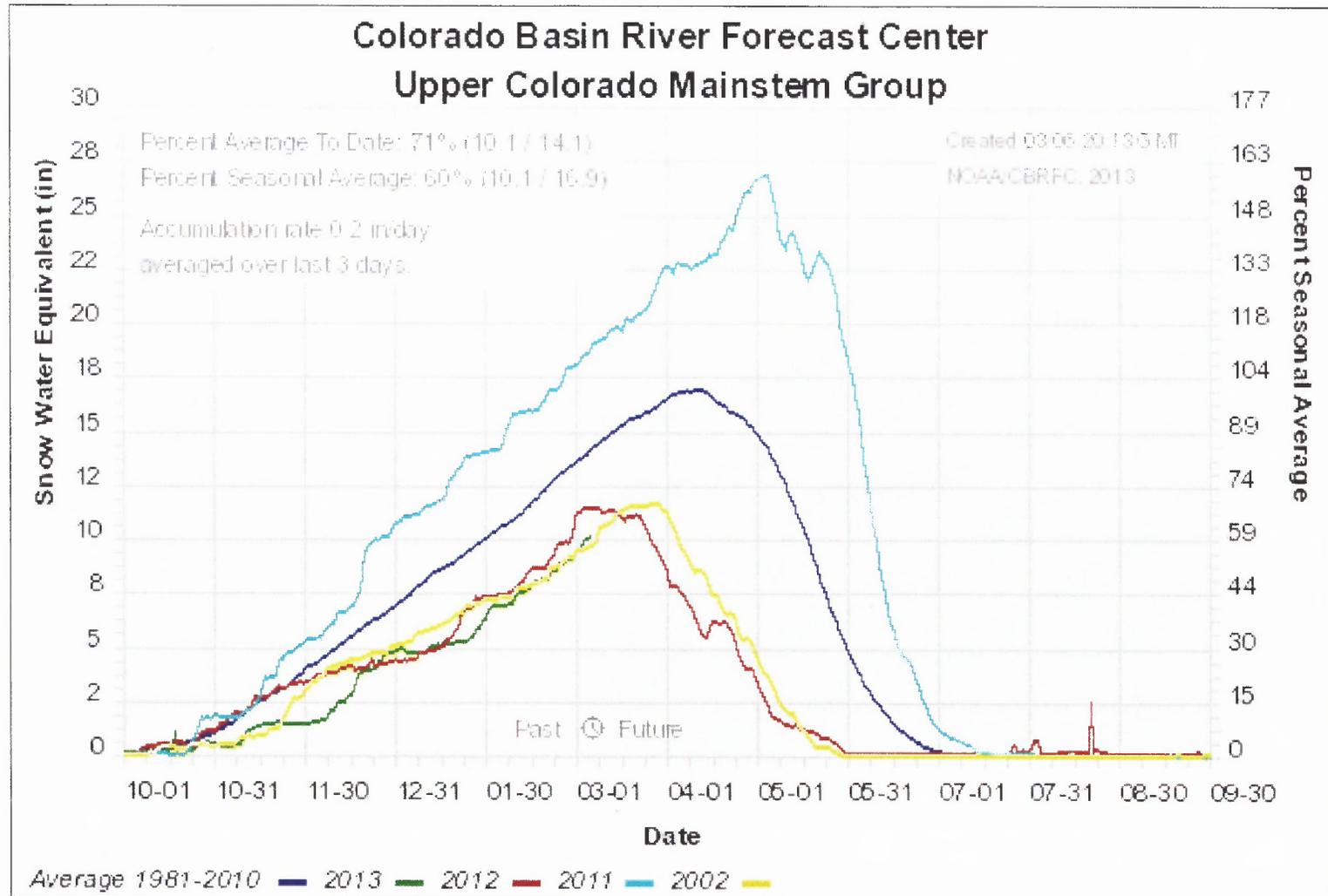


Figure 4. NOAA National Weather Service Monthly Precipitation Maps for January and February 2013

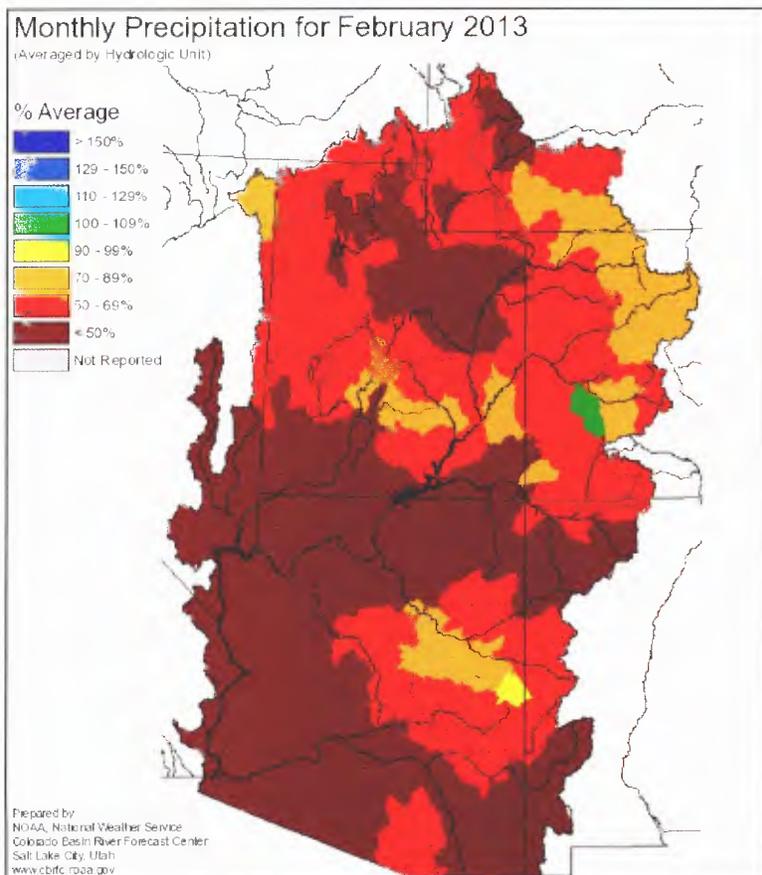
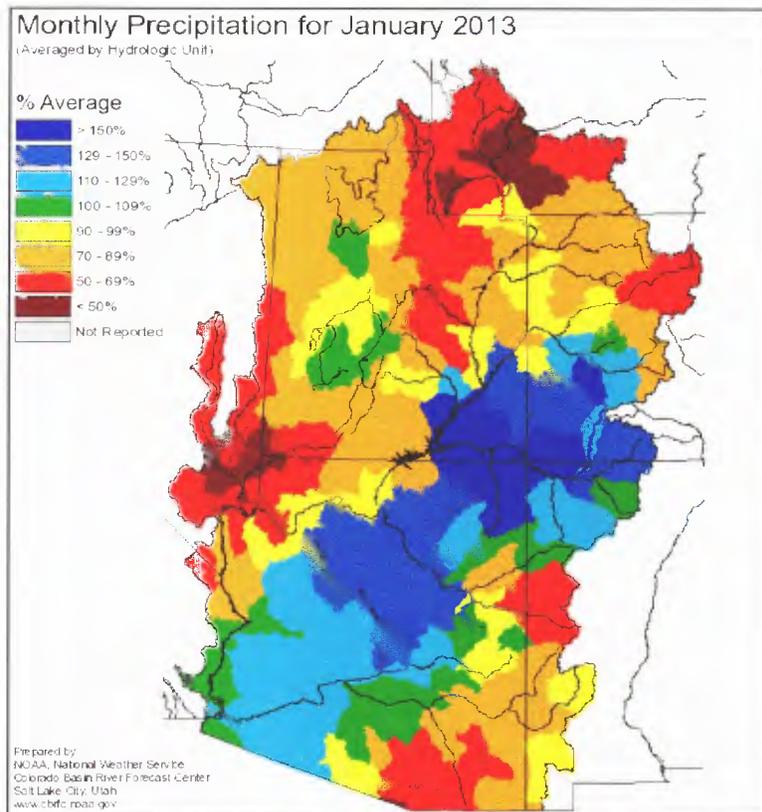
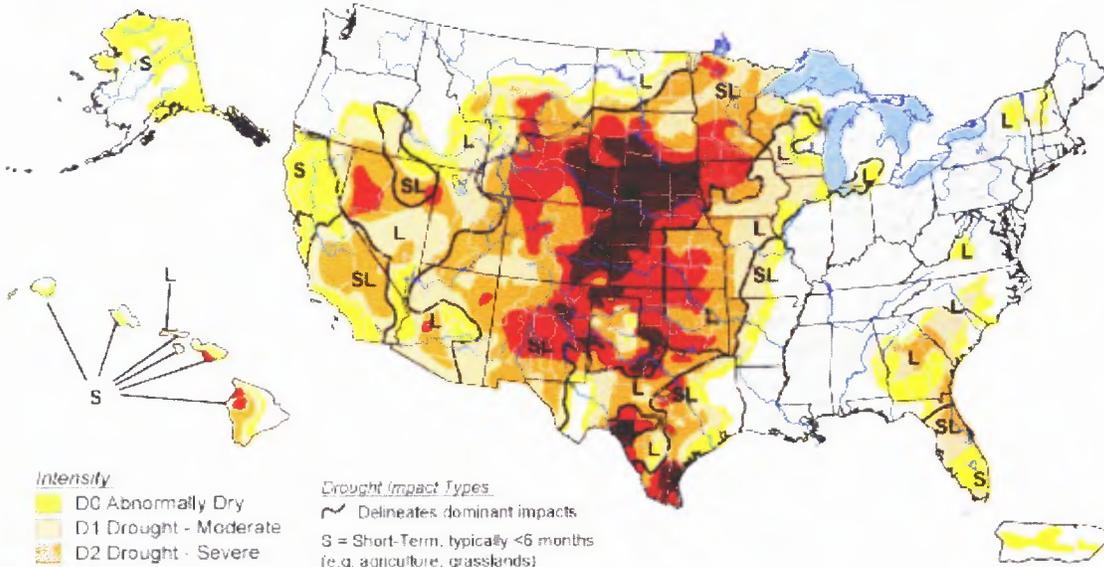


Figure 5. USDA United States Drought Monitor Map

U.S. Drought Monitor

March 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, March 7, 2013

Author: Matthew Rosencrans, NOAA/NWS/NCEP/CPC

U.S. Drought Monitor

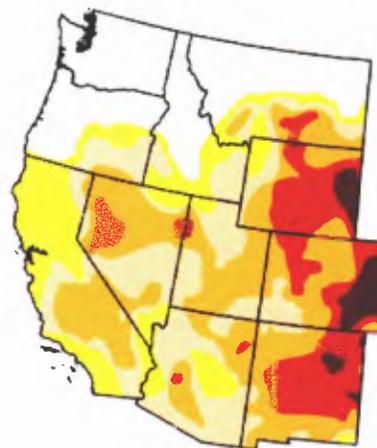
March 5, 2013
Valid 7 a.m. EST

West

	Drought Conditions (Percent Area)					
	None	D0-D1	D1-D2	D2-D3	D3-D4	D4
Current	21.50	75.50	63.15	41.77	15.72	3.13
Last Week (2/26/2013 map)	21.53	76.47	64.32	42.23	15.92	3.47
3 Weeks Ago (1/20/2013 map)	22.41	77.59	70.28	48.06	17.85	2.12
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	77.13	43.65	16.85	1.77
One Year Ago (02/28/2012 map)	31.91	68.09	45.30	17.63	2.56	0.88

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



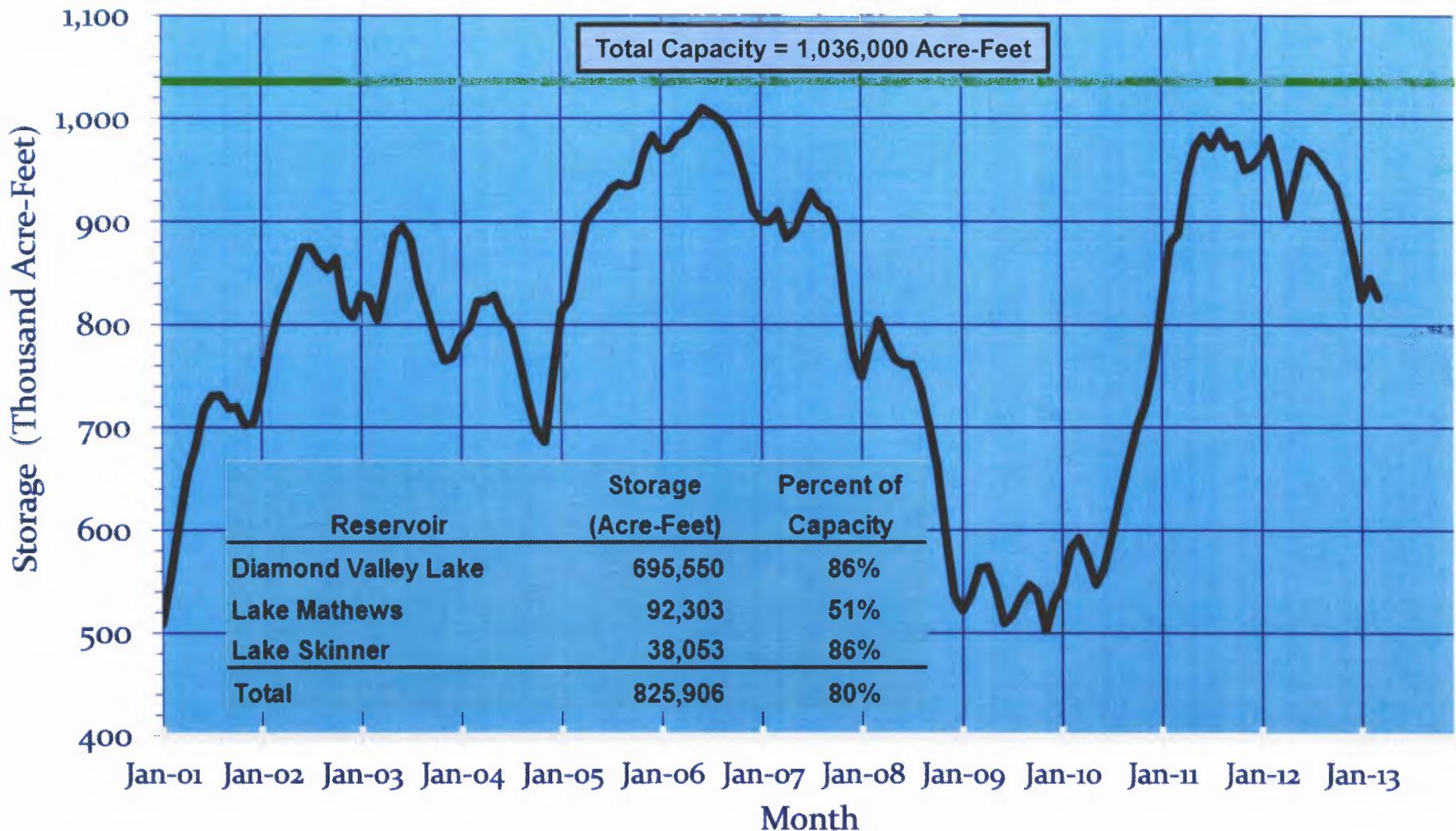
Released Thursday, March 7, 2013

Matthew Rosencrans, NOAA/NWS/NCEP/Climate Prediction Center

4.b. - State and Local Water Reports

MWD's Combined Reservoir Storage as of March 1, 2013

Lake Skinner, Lake Mathews, and Diamond Valley Lake

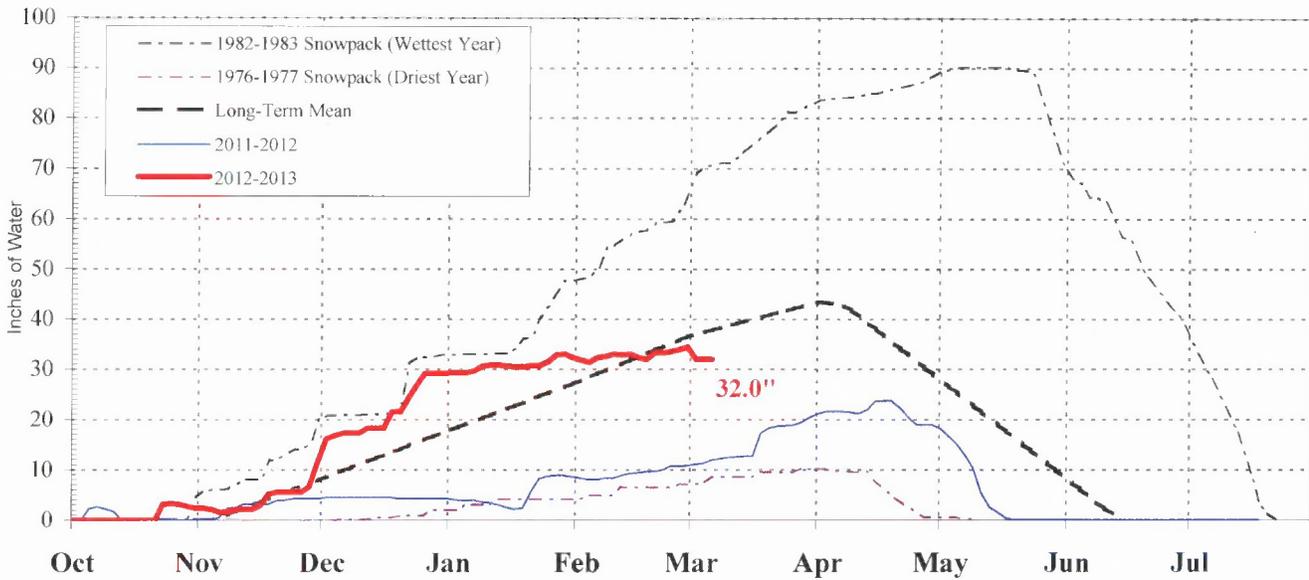


2013 Water Deliveries to Member Agencies (AF)

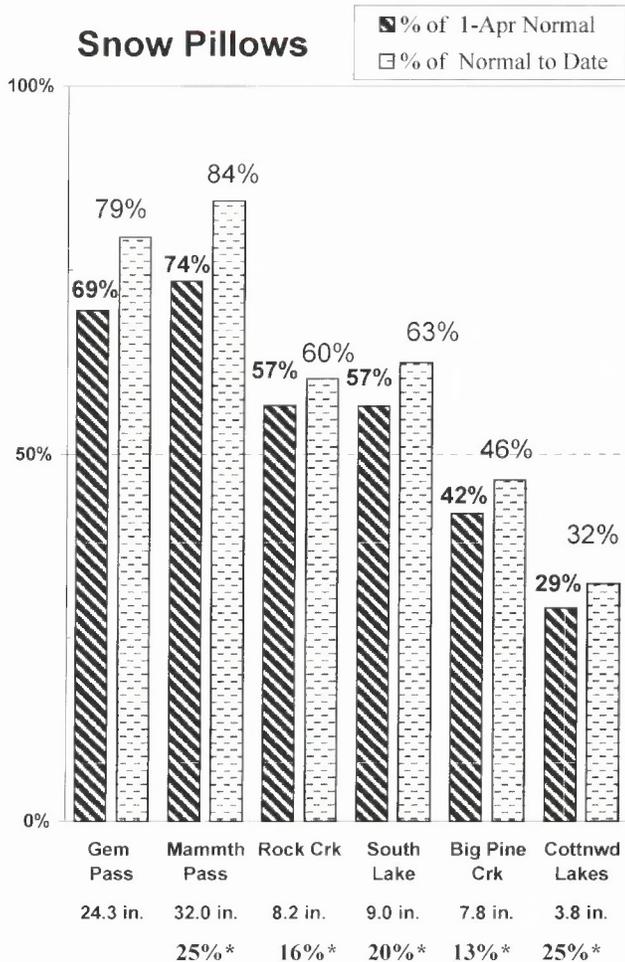


EASTERN SIERRA CURRENT PRECIPITATION CONDITIONS As of March 6, 2013

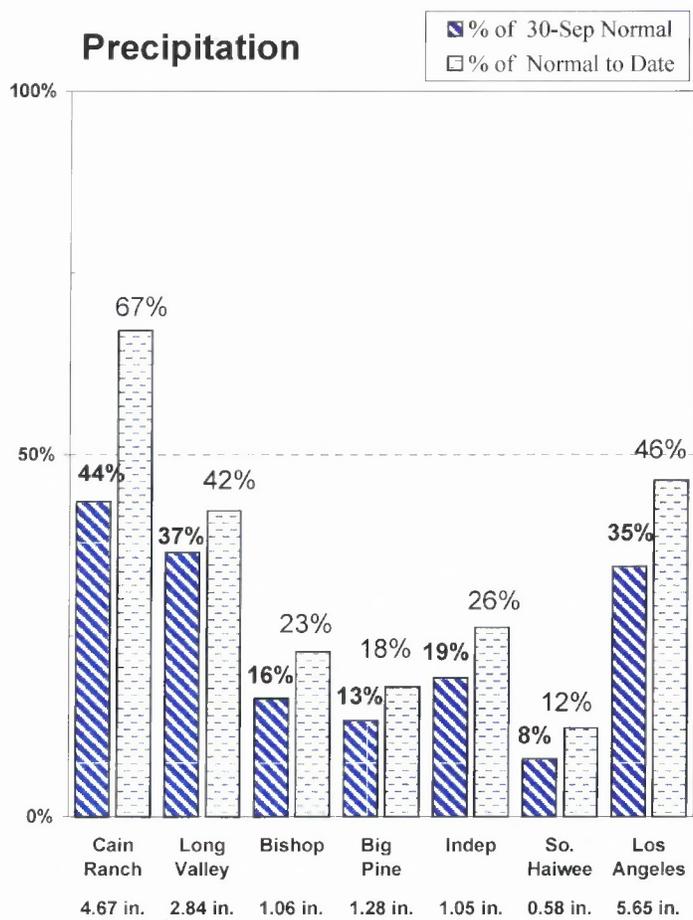
Mammoth Pass Snowpack



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

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 March 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 March 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 March, 2013, at which time a quorum of said Board was present and acting throughout.

Dated this thirteenth day of March, 2013.

Tanya M. Trujillo
 Executive Director



Winter 2012-2013

River REPORT

A project of the Water Education Foundation

Minute 319: Building on the Past to Provide for the Future

By Susan Lauer

When officials from the United States and Mexico met on Nov. 20 in San Diego to sign a heralded new five-year agreement on how to share Colorado River water, the buzz was about five key benefits in the deal. The agreement is a breakthrough in communication about and understanding of the inter-related importance of Colorado River water to both nations.

Minute 319 amends the 1944 U.S.-Mexico Water Treaty between Mexico and the United States by establishing new rules in sharing Colorado River water while providing immediate plans to address current challenges along the

river during the next five years. Equally important, the pact sets the stage for how the two nations might work in the future to establish a long-term management policy for the Colorado River.

After years of negotiations and meetings, now, for the first time, the two countries have set criteria to share in water surpluses and water shortages. Mexico, with limited storage capacity, will store some of its Colorado River water in Lake Mead. In exchange, during drought years in the United States, less water will be sent to Mexico. It's the first time Mexico has agreed to

share reductions during periods of low water supplies, and brings the southern neighbor in accord with Colorado River Basin states that already have agreed how much they will reduce uses if a shortage is declared.

Since 2010, when an earthquake severely damaged its irrigation system and canals in the Mexicali Valley, Mexico has stored some of its unused water supply in Lake Mead while repairs continue. Now, municipal water agencies in California, Arizona and Nevada will help fund water conservation and infrastructure improvements in Mexico in return

Continued on page 3

IBWC Commissioners Roberto Salmón and Edward Drusina Sign Minute 319.

