SAN JUAN WATER DISTRICT

Board of Director's Meeting Minutes
January 27, 2016 – 7:00 p.m.

BOARD OF DIRECTORS

Pam Tobin	President
Ken Miller	Vice President
Ted Costa	Director
Dan Rich	Director
Bob Walters	Director

SAN JUAN WATER DISTRICT MANAGEMENT AND STAFF

Shauna Lorance	General Manager
Keith Durkin	Assistant General Manager
Donna Silva	Director of Finance
Teri Grant	Board Secretary/Administrative Assistant
Joshua Horowitz	Legal Counsel

OTHER ATTENDEES

Dave Underwood	FOWD
Kim Silvers	Silvers HR
Mitch Dion	Self
Pete Schroeder	Self
Tony Barela	SJWD
Greg Turner	SJWD

AGENDA ITEMS

I. Public Forum
II. Consent Calendar
III. Presentation
IV. Committee Reports
V. Information and Action Items
VI. Upcoming Events
VII. Closed Session
VIII. Open Session
IX. Adjourn

President Tobin called the meeting to order at 7:03 p.m.

President Tobin informed the Board that an item needed to be added to the Closed Session. Mr. Horowitz explained that the item came up after the agenda was posted under the Brown Act Government Code Section 54952.2 (b) and involves potential water transfers which needs immediate attention by the Board.

Director Costa moved to add the item to the Closed Session. Director Walters seconded the motion and it carried unanimously.

I. PUBLIC FORUM

There were no public comments.

II. CONSENT CALENDAR

All items under the consent calendar are considered to be routine and are approved by one motion. There will be no separate discussion of these items unless a member of the Board, audience, or staff request a specific item removed after the motion to approve the Consent Calendar.

1. Minutes of the Board of Directors Meetings

Approval of San Juan Water District's Board of Director's meeting minutes as follows:

1. Minutes of the Board of Directors Meeting, January 13, 2016

Director Costa requested to remove agenda item 1 from the Consent Calendar for discussion. Director Costa voiced concern regarding a possible conflict of interest in the selection of MWH for the Water Management and Reliability Study since Neil Schild works at MWH and is also a Sacramento Suburban Water District Board member. The Board discussed the potential conflict of interest. Ms. Lorance explained that the proposal states that Mr. Schild will not be involved in any way on the Water Management and Reliability Study project. Mr. Horowitz suggested that MWH provide a confidentiality agreement which would not allow Mr. Schild any access to the study. Mr. Durkin explained that MWH did provide a disclosure in their proposal that stated that Mr. Schild would not be working on the project. Mr. Durkin will work with MWH to get an agreement in place that Mr. Schild will not work on, or be involved in this study in any capacity.

Director Walters moved to approve the January 13, 2016, minutes of the Board of Directors meeting. Director Rich seconded the motion and it carried unanimously.

III. PRESENTATION

1. Staff Update – Water Treatment Plant

Mr. Durkin informed the Board that, over the next several months, representatives from the various SJWD departments will conduct presentations to the Board. They will report on the activities in their department and will cover what has been accomplished over the past few months, and what is on the horizon. Mr. Durkin introduced Greg Turner, Water Treatment Plant (WTP) Superintendent.

Mr. Turner conducted a presentation on the wholesale operations at the WTP. A copy of the presentation will be attached to the meeting minutes. Mr. Turner reported on the following WTP activities that have been completed or are completed on an ongoing basis:

- Thickener Inspection & Anode Replacement
- Filter Jetting Project
- Label Plan and Implementation
- Safety Training Since 10/1/15
- Launderer Fiberglass Repairs
- Effluent Valve Actuator Calibrations
- Hinkle Cover Assessment
- Hinkle Apron Drain Project
- Floc/Sed Plan and Spec Reviews
- Hinkle Repairs
- Poly Pump and Chemical Line Improvements
- Filter Gallery Emergency Repairs

In addition, Mr. Turner informed the Board that the following activities are either being worked on or are scheduled in the near future:

- Arc Flash Project
- Floc/Sed Improvements Project
- Hinkle Cover Assessment
- Backwash Pump Rehab Project
- Control Stations Project
- Emergency Table Top Exercise w/Fire Depts
- Continued Drought Challenges and Operations

Mr. Turner offered to give the Board a tour of the WTP at any time.

In response to Director Walters question, Mr. Durkin informed the Board that the current replacement cost of the 150 MGD WTP would be approximately $500 million. Director Walters suggested that a summary of the presentation be provided in a wholesale publication. President Tobin commented that SJWD needs to educate the public with more information possibly putting together articles and/or videos.

2. 2015 SJWD President Award of Appreciation

President Tobin presented Director Costa with an award of appreciation for serving as Board President in 2015.

ACTION AND INFORMATIONAL ITEMS

IV. COMMITTEE REPORTS

1. Personnel Committee (1/22/16)

President Tobin reported that the committee met on January 22, 2016, and discussed the following:

- Public Comment

- Other Personnel Matters
- Closed Session
- Open Session

The committee meeting minutes will be attached to the original board minutes.

President Tobin reported that there was no public comment and no other matters were discussed. The committee was in Closed Session to discuss the General Manager's performance evaluation, and conference with negotiating committee involving compensation of General Manager, under Government Code sections 54954.5(e), 54957, 54954.5(f), and 54957.6.

President Tobin reported that there was no reportable action from the Closed Session.

V. INFORMATION AND ACTION ITEMS

1. GENERAL MANAGER'S REPORT

1.1 Water Supply Update

Ms. Lorance reported that Folsom Reservoir is at approximately 406,000 acre feet. She commented that, since storage has increased, the Bureau has increased the flow out of Folsom from 500 cfs to 800 cfs. There is a meeting scheduled for Friday and the decision to increase flows will be discussed.

She reviewed information for precipitation and snowfall forecasts through January 31st. In addition, she informed the Board that the seasonal drought outlook shows the drought remains but improves for the region. A copy of the presentation will be attached to the meeting minutes.

For information, no action requested

1.2 Water Supply and Reliability Study

Ms. Lorance informed the Board that a staff kick-off meeting with MWH regarding the Water Supply and Reliability Study was held today to review the information that will be discussed at the Water Supply & Reliability Committee meeting on February 2nd.

For information, no action requested

1.3 Report Back Item

There were no items discussed.

1.4 Miscellaneous District Issues and Correspondence

Ms. Lorance reported that the U.S. White House launched a new strategy to build greater public and private support for a sustainable water future. A copy of the article will be attached to the meeting minutes.

Ms. Lorance reported that the Association of Ground Water Agencies is hosting a conference on groundwater management on Feb 17-18, 2016.

Ms. Lorance reported that an e-blast was sent out today requesting that customers submit comments on the State Water Resources Control Board's draft resolution for the February 2nd meeting. Customers were encouraged to submit comment letters about the 33% reduction requirements and advocate for reevaluation of water supply conditions in April.

2. ASSISTANT GENERAL MANAGER'S REPORT

2.1 USBR Mid-Pacific Region Water Users Conference

Mr. Durkin informed the Board that he attended the USBR Mid-Pacific Region Water Users Conference (WUC). He attended several conference sessions as well as private meetings with USBR Commissioner Estevan López and Regional Director David Murillo.

Mr. Durkin reported that USBR met with representatives from the American River Division which included PCWA, SMUD, City of Roseville, SJWD and other agencies. The primary meeting topic was USBR's proposed new directives and standards which include charging a fee on non-project water which is transmitted through CVP facilities under a Warren Act agreement. He commented that there was a lot of push back on this topic, especially since the fee will most likely triple water supply costs.

Mr. Durkin reported that there was a follow-up meeting with a group of CVP large agency contractors. The meeting focused on USBR being short on resources to fully represent this region in activities such as negotiating the coordinated operations agreement between USBR and DWR which dictates operations involving CVP and SWP water deliveries.

For information, no action requested

2.2 USBR CCAO American River Group

Mr. Durkin reported that he attended the USBR Central California Area Office (CCAO) American River Group meeting on January 21st by conference call while at the WUC. He explained that the operations forecast is provided at this monthly meeting. The current forecast indicates that releases at Folsom are going to be increased. A copy of the CCAO meeting packet will be attached to the meeting minutes.

Mr. Durkin informed the Board that USBR reported under Storage Management Conditions that recent storage gains will allow them to increase flows from 500 cfs to 800 cfs; however, there were no indicators that increased flows are needed to support environmental needs. He stated that this issue will be addressed at the Friday meeting with USBR. In addition, he reported that USBR's projections show between a 50% and 90% Runoff

Exceedance Outlook. He mentioned that release flows are projected to increase significantly in April to over 3,400 cfs.

For information, no action requested

2.3 Hinkle and Kokila Condition Assessments

Mr. Durkin reported that the condition assessments for the Hinkle Reservoir and the Koklila Reservoir began in late December. Ron Frobel conducted the assessment – he also conducted the 1999 20-year assessment of Hinkle Reservoir. Mr. Durkin reported that the overall assessment of Hinkle Reservoir was that it is in very good condition. The initial assessment included some recommendations for repairs and maintenance, including replacing some vents, valves, and floats. It was also recommended to reduce the cleaning of the inside of the reservoir so that the potential for physical damage is minimized. Mr. Frobel provided a material sampling and laboratory testing program to complete the assessment work. Based on the initial assessment, it appears that Hinkle Reservoir may last at least another ten years. In response to a question from Director Miller, Mr. Durkin confirmed Hinkle is 35 years old and holds 62 million gallons.

Mr. Durkin reported that the Kokila Reservoir initial condition assessment was completed at the same time as Hinkle. It appears to be in fair to good condition. Kokila is 32 years old and holds 5 million gallons. A sampling and material testing program was recommended for Kokila to determine the life expectancy of the reservoir.

Mr. Durkin reported that the wholesale and retail Capital Improvement Programs include performing the condition assessments, then conducting preliminary engineering for replacement if warranted. In response to President Tobin's comment, Mr. Durkin explained that staff will be looking into funding options, including grants. Ms. Lorance explained that this future project should be looked at under the financial plan updates. Mr. Durkin will provide the Engineering Committee with updates.

For information, no action requested

2.4 Report Back Items

There were no items discussed.

2.5 Miscellaneous District Issues and Correspondence

There were no items discussed.

3. DIRECTOR OF FINANCE'S REPORT

3.1. Report Back Items

Ms. Silva reported that the mid-year budget review with department managers has begun. She commented that this will give a better look at the FY 2015-16 budget and it will incorporate the proposed 33% conservation

requirement. In addition, she is preparing for the February 18th finance workshop.

3.2. Miscellaneous District Issues and Correspondence

There were no items discussed.

4. LEGAL COUNSEL'S REPORT

4.1 Legal Matters

Mr. Horowitz stated that he had no report. In response to Director Costa's question, Mr. Horowitz explained that there is no legal conflict of interest for a SSWD director to work on the Water Supply & Reliability Study; however, Ms. Lorance pointed out that there may be an ethical conflict.

5. DIRECTORS' REPORTS

5.1 SGA

President Tobin reported that SGA met on December 10, 2015. She provided the Board with a handout on the guidelines to form a Groundwater Sustainability Agency. She explained that SGA has been discussing the Sustainable Groundwater Management Act (SGMA) implementation.

5.2 RWA

President Tobin reported that she attended the RWA Executive Committee meeting this morning. She reported that the committee discussed the budget adoption and state advocacy program. She commented that the committee discussed possibly staffing a full-time position for state advocacy. The state advocacy plan will be proposed to the full board at the next RWA meeting. In response to Director Walters' question, President Tobin informed the Board that RWA will be looking at all options including a consultant, a full-time in-house staff person, etc.

Mr. Durkin announced that President Tobin was elected to the RWA Executive Committee at the January 14, 2016, RWA meeting under the first ballot vote. President Tobin informed the Board that Spencer Short will Chair the RWA Executive Committee and Jim Peifer will serve as Vice Chair.

5.3 ACWA

5.3.1 Local/Federal Government/Region 4 - Pam Tobin

President Tobin reported that she attended the ACWA Federal Affairs Committee meeting this morning. She reported that she and Ms. Lorance will be attending the ACWA DC2016 Conference in February and the Federal Affairs Committee requested that each agency list their federal priorities for this year and the next few years.

President Tobin reported that ACWA is working on a water marketing bill in the state legislature. Ms. Lorance explained that a white paper

is being developed regarding water transfers, including conserved water.

President Tobin reported that ACWA does not expect the Public Goods bill to go through. In addition, there is a group of people putting together a reform bill which will address some language in Prop. 218.

President Tobin reported that the State Water Resources Control Board will be discussing the local drought contingency programs at their February 2nd meeting. She commented that the contingency plan is inconsistent with the policy of the state and the Governor's policy.

President Tobin reported that it is expected that USBR will allocate $40-50 million to California, which will bring the total to $323 million for conservation efforts.

President Tobin reviewed a list of bills that ACWA is working on or watching. In addition, she attended the ACWA Region 4 meeting last week.

5.3.2 Energy Committee - Ted Costa
No report.

5.3.3 JPIA - Bob Walters
Director Walters reported that the Property Committee meets in early February.

5.4 CVP Water Users Association
President Costa reported that the CVP Water Users Association met January 19th and continues to work on cost allocations. In addition, internal affairs are changing and they are developing a new election process.

5.5 Other Reports and Comments
Director Costa reported that he attended the SSWD Board meeting and the SJWD water rights report was on the agenda. He provided the Board with a copy of the report. Director Costa commented that three SSWD Board members would like discussion to start with SJWD. President Tobin commented that she is meeting with SSWD President Kevin Thomas on Friday. Director Miller requested that the possibility of reinitiating the Phase 2B study be placed on a future Board meeting agenda to allow the Board to discuss the direction to staff.

VI. UPCOMING EVENTS

1. 2016 ACWA DC Conference
   February 23-25, 2016
   Washington, DC
2. 2016 ACWA Legislative Symposium
   March 9, 2016
   Sacramento, CA
3. 2016 Water Education Foundation – Executive Briefing
   March 17, 2016
   Sacramento, CA
4. 2016 Cap To Cap – Metro Chamber
   April 9-13, 2016
   Washington DC

President Tobin called for Closed Session at 8:58 pm.

VII. CLOSED SESSION

1. Conference with real property negotiators involving the transfer of water conserved under the District's pre-1914 water right and by groundwater substitution. The Board will provide direction to District negotiators, General Manager Shauna Lorance and Assistant General Manager Keith Durkin, on the price, terms of payment or both for the transferred water. The specific buyers and their representatives with whom the District will negotiate have not yet been identified, but those buyers and representatives will be publicly identified at the Board meeting or as soon thereafter as possible. (See Government Code sections 54954.5(b) and 54956.8.)

2. Public employee performance evaluation involving the General Manager; Government Code sections 54954.5(e) and 54957.

3. Conference to provide District's labor negotiators, Pam Tobin and Bob Walters, with direction concerning changes to General Manager's compensation and benefits; Government Code sections 54954.5(f) and 54957.6.

President Tobin returned to Open Session at 11:33 pm.

VIII. OPEN SESSION

The Board unanimously approved a $5,000 incentive award to General Manager Shauna Lorance.

IX. ADJOURN

The meeting was adjourned at 11:34 p.m.

_____
PAMELA TOBIN, President
Board of Directors
San Juan Water District

ATTEST:

_____
TERI GRANT, Board Secretary

San Juan Water District Department Reports

January 27, 2016

District Departments

- Wholesale Operations
- Retail Field Services
- Engineering
- Customer Service
- Conservation
- Finance and Accounting
- Administration/Executive

All Staff Photo (Well, nearly all…)

Wholesale O&M Staff


May 2011

California Department of Public Health
Drinking Water Field Operations Branch
Compliance Inspection Report / Sanitary Survey

Purveyor: San Juan Water District — System Number: 3410021
Person(s) Contacted/Position: Greg Turner (WTP interim Superintendent), Randy Potter (Pump Station / Distribution System Operator).
Date(s) of Inspection: June 25, 2012 (Water Treatment Plant) & June 26, 2012 (Pump Stations & Storage Reservoirs)
Reviewing Engineer: Ali R. Rezvani, P.E. — District Engineer: Richard Hinrichs, P.E., Section Chief
Last Annual Inspection: May 30, 2012, (Water Treatment Plant) & May 31, 2012, (Pump Stations & Storage Reservoirs)

A. INTRODUCTION

1. Permit Status: (Date Issued/Amendment Purpose)

Full Reportedly, San Juan Water District has been in existence since 1854. In 1954 four local irrigation districts (North Fork Ditch Company, Citrus Heights Irrigation District, Fair Oaks Water District, and Orange Vale Water Company) joined together to form San Juan Suburban Water District. These four districts were originally formed in the second half of the 19th Century. In 1994, San Juan Suburban Water District was renamed as San Juan Water District (SJWD). The most recent water supply permit was issued to the water system on April 2, 2013, and the Water Permit No. is 01-09-13-PER-001.

Amendment(s) Permit number 01-09-13-PER-001 does not have any amendments.

Are the permit provisions complied with? Permit number 01-09-13-PER-001 provisions are complied with.

Is the permit up to date? The current permit is up-to-date. Permit number 01-09-13-PER-001 includes coagulation, flocculation, sedimentation, dual media filtration, solid handling, chlorine gas disinfection, and lime softening. This permit also includes all distribution system pump stations, reservoirs, and interconnections with neighboring water systems.

System classification/season San Juan Water District is classified as a Community Water System.

Permit and Amended Permit: Summary of all permits and amended permits issued by the Department are tabulated in Table 1.

Table 1 - Permit Summary

Permit Number	Permit Type	Permit Date	Comments
01-09-13-PER-001	Full	04-02-2013	Full permit - 18 permit conditions.

Discussion and Appraisal: The water system permit is up-to-date. There are two parallel treatment trains with 60 MGD flow rates. Based on Condition No. 6, the water system shall notify the Department with 48 hours of beginning to operate the water treatment plant at above 60 MGD per treatment train.

2. Enforcement
California Health and Safety Code, Part 12, Chapter 4, Article 9: Remedies

Number of enforcements since last inspection: According to the existing records and since the last inspection of the water system, no enforcement actions had been filed against the San Juan Water District. Table 2 summarizes any enforcement action against the San Juan Water District.

Table 2 - Enforcement Summary

Number	Type	Start Date	End Date	Comments
None				

Discussion and Appraisal: None.

3. System Changes

Since last annual inspection: The following improvements to the water treatment plant and pump stations were completed since the 2012 Compliance Inspection:

State of California
Drinking Water Program
Department of Health Services

Quarterly Report for Disinfection Byproduct Precursors Compliance
For Systems Meeting Alternative Compliance Criteria

System Name: San Juan Water District — System Number: 3410021
Calendar Year: 2015 — Source Water Sample Location: Folsom Lake Raw - Treatment Plant
Quarter: 4th — Treated Water Sample Location: Treated (Before post CL2) - Treatment Plant

Check the box below for the alternative compliance criterion that the system is using.

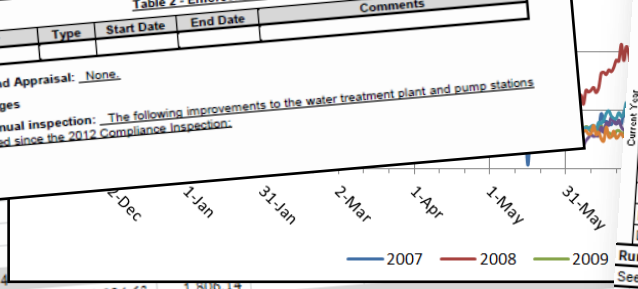
	Criterion	Parameter(s) to Report and Item Number	
☑	Source water TOC < 2.0 mg/L, calculated quarterly as a running annual average (RAA) [Section 64536(a)(1)]	RAA of source water TOC based on monthly averages (or quarterly samples)	[2]
☑	Treated water TOC < 2.0 mg/L, calculated quarterly as a RAA [Section 64536(a)(2)]	RAA of treated water TOC based on monthly averages (or quarterly samples)	[3]
☐	Source water TOC < 4.0 mg/L, calculated quarterly as a RAA; source water alkalinity > 60 mg/L (as $CaCO_3$), calculated quarterly as a RAA; and either TTHM and HAA5 RAAs ≤ 0.040 mg/L and 0.030 mg/L, respectively, or the system applied for approval to install and operate technologies by June 30, 2005, that will limit TTHM and HAA5 to those levels [Section 64536(a)(3)]	1. RAA of source water TOC based on monthly averages (or quarterly samples) 2. RAA of source water alkalinity based on monthly averages (or quarterly	[2] [1]
☐	TTHM and HAA5 RAAs ≤ 0.040 mg/L and 0.030 mg/L, respectively, and the system uses only chlorine for primary disinfection and maintenance of a residual in the distribution system [Section 64536(a)(4)]	3. RAA for both TTHM and HAA5 RAA for both TTHM and HAA5	[8], [9] [8], [9]
☐	Source water SUVA ≤ 2.0 L/mg-m measured monthly and calculated quarterly as a RAA [Section 64536(a)(5)]	RAA of source water SUVA based on monthly averages	[4]
☐	Finished water SUVA ≤ 2.0 L/mg-m measured monthly and calculated quarterly as a RAA [Section 64536(a)(6)]	RAA of treated water SUVA based on monthly averages	[5]
☐	Softening that results in lowering the treated water alkalinity to < 60 mg/L (as $CaCO_3$), measured monthly and calculated quarterly as a RAA [Section	RAA of treated water alkalinity	[6]
☐	Softening that results in removing at least 10 mg/L of magnesium hardness (as $CaCO_3$), measured monthly and calculated quarterly as a RAA [Section	RAA of the amount of magnesium hardness removal (as $CaCO_3$, in mg/L)	[7]

Report items [1], [2], and [3], and any additional data based upon the criterion identified above.

Month	Sample Date[1]	Source Water Alkalinity (mg/L) [REQUIRED] [1]	Source Water TOC (mg/L) [REQUIRED] [2]	Treated Water TOC (mg/L) [REQUIRED] [3]	Source Water SUVA (L/mg-m) [4]	Treated Water SUVA (L/mg-m) [5]	Treated Water Alkalinity (mg/L) [6]	Mg Hardness Removal (as $CaCO_3$, in mg/L) [7]
January	1/20/2015	26	2.1	1.6				
February	2/17/2015	28	1.7	1.2				
March	3/17/2015	28	2.0	3.2				
April	4/21/2015	28	2.0	1.4				
May	5/19/2015	28	2.1	1.4				
June	6/16/2015	30	2.0	1.5				
July	7/21/2015	27	1.9	1.6				
August	8/18/2015	27	1.7	1.4				
September	9/15/2015	26	1.6	1.1				
October	10/20/2015	26	2.0	1.3				
November	11/17/2015	27	1.6	1.1				
December	12/15/2015	29	1.5	1.1				
Running Annual Average (RA		28	1.9	1.5				

See TTHM/HAA5 reporting form for actual results; report RAAs here, if applica — TTHM RAA [8] 0.042 — HAA5 RAA [9] 0.022

Month													
May-12	5,941.86	-											
Jun-12	6,604.79	-											
Jul-12	7,163.38	-											
Aug-12		537.74											
* Aug-12 *				1,394.63	1,806.14								
Sep-12	7,663.65	-					2,992.40	978.92	132.23				
* Sep-12 *		1,216.51					1,464.49	364.72	114.20	50.54	575.71		
Oct-12	3,971.47	-	979.07	-	-	-	1,067.89	253.11	3,421.46	1,528.89	13,583.04	9,987.44	4,657.40
Nov-12	1,829.21	-	364.72	-	-	-	33,000.00	10,514.39	CHWD fed		AF to Placer County		
Dec-12	2,028.70	509.99	253.11	197.71	-								
Totals	49,766.14	2,995.29	10,757.60	3,013.25									



Treatment Update

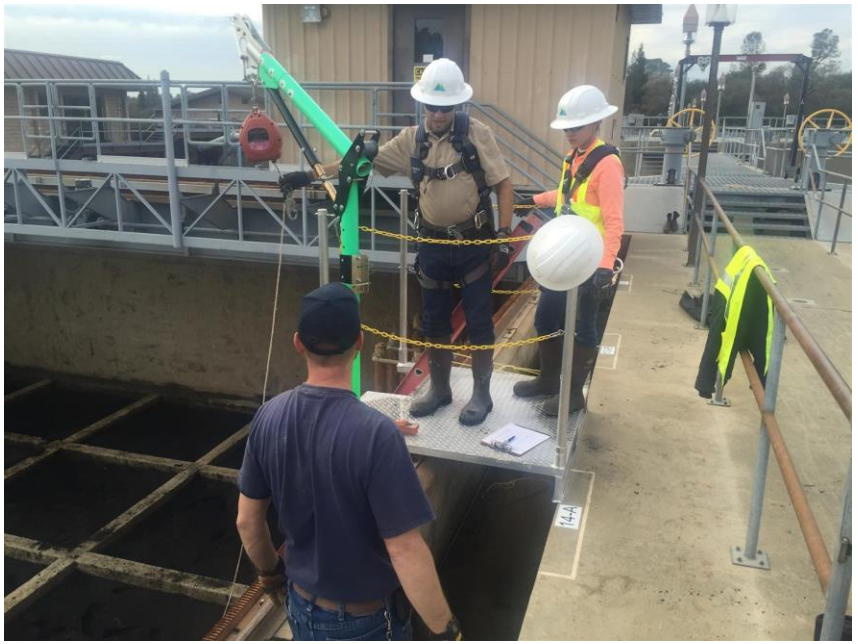
Looking Back and Looking Ahead a Couple of Months

Looking Back

- Thickener 22 mo. Inspection
- All 3 thickeners
- Joint project – contractor, engineering and WTP
- Replaced anodes

Filter Jetting Project

- Every 2 year project
- Purpose – manage mud accumulation on filter walls
- Performed by Ops and Maintenance



Label Plan and Implementation

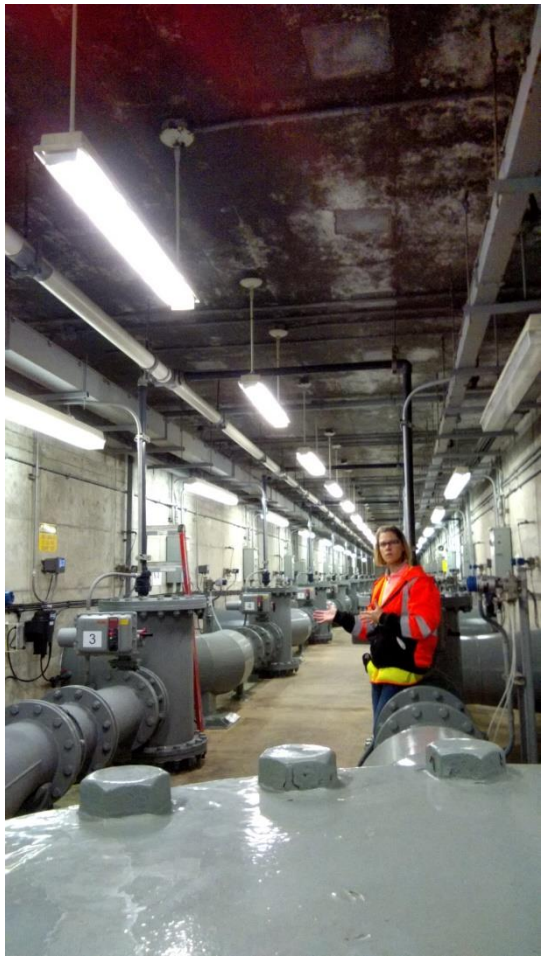
- Develop as a team a standard to identify facility equipment and electrical hazards
- Increase awareness and avoid confusion
- Create safer work environment
- Identify electrical circuits

WTP Labeling Identification

Catigories	TAPE	RIBBON
Pipes		
Potable water	Blue	White
Alum	Green	White
Polymer	Green	White/Orange band
Chlorine Gas or vacuum gas	Yellow	Black
Chlorine solution	Green	Black
Backwash, and Spent Water	Brown	Black
Raw/Source Water	Brown	White
Lime solution	Green	White
Compressed air	Green	White
Electrical		
Wall outlet circuit ID **"P" touch Labeler**	Yellow	Black
Equipment circuit ID **"P" touch Labeler**	Yellow	Black
Panel ID	Black	White
Voltage alerts	Orange	Black
Conduits	Red	White
Circuit Breaker ID	White	Black
Safety		
Caution	Yellow	Black
Warning	Orange	Black
Danger	Red	White
Other		
General equipment or station Identification	White	Black


GROUP 13 EFF. VALVE
GROUP 19 EFF. VALVE
GROUP 14 EFF. VALVE
GROUP 20 EFF. VALVE
GROUP 15 EFF. VALVE
GROUP 21 EFF. VALVE
GROUP 16 EFF. VALVE
GROUP 22 EFF. VALVE
GROUP 17 EFF. VALVE
GROUP 23 EFF. VALVE
GROUP 18 EFF. VALVE
GROUP 24 EFF. VALVE

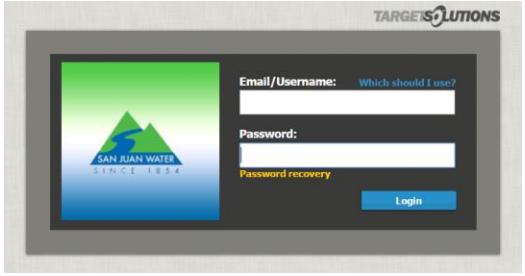

PANEL "X"
CIRCUIT 2
PANEL "Z"
PANEL "X"

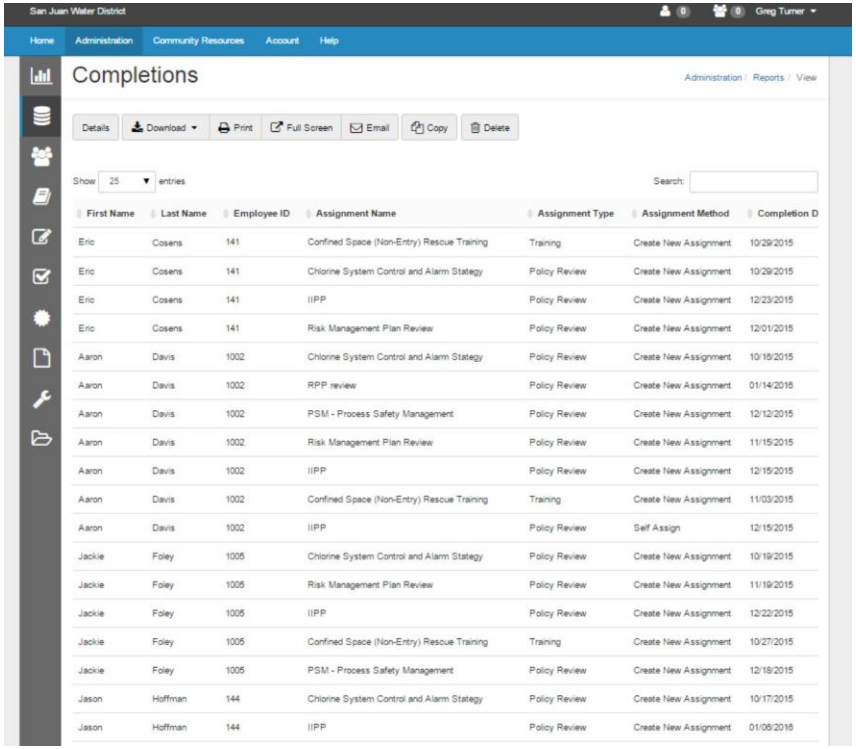



480 VOLTS
480 VOLTS
17

Safety Training Since 10/1/15

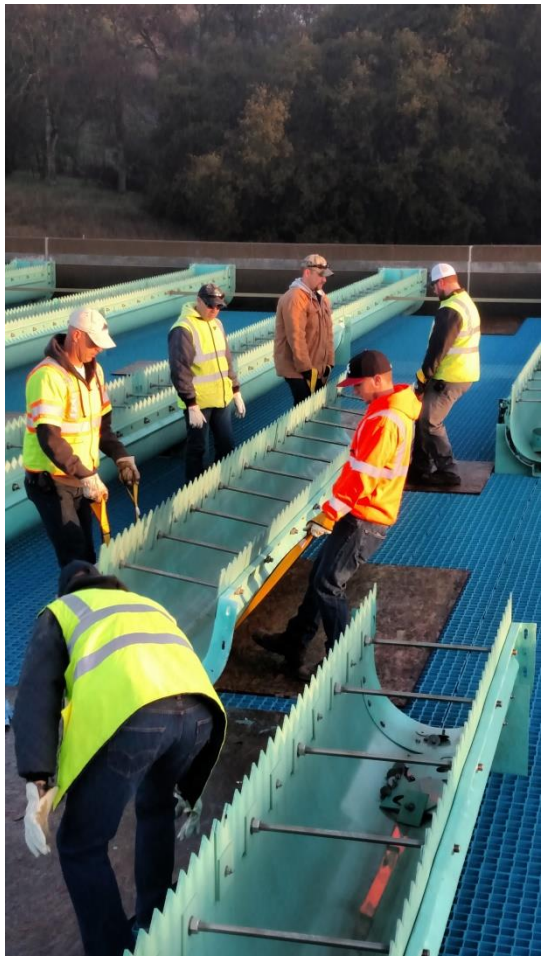
- Confined Space
- Cl2 Alarm Strategies
- Injury Illness Prevention Program
- Risk Management Plan
- Process Safety Management Program
- Respiratory Protection Program
- Hydraulic Press
- Annual RPP fit testing and med evals

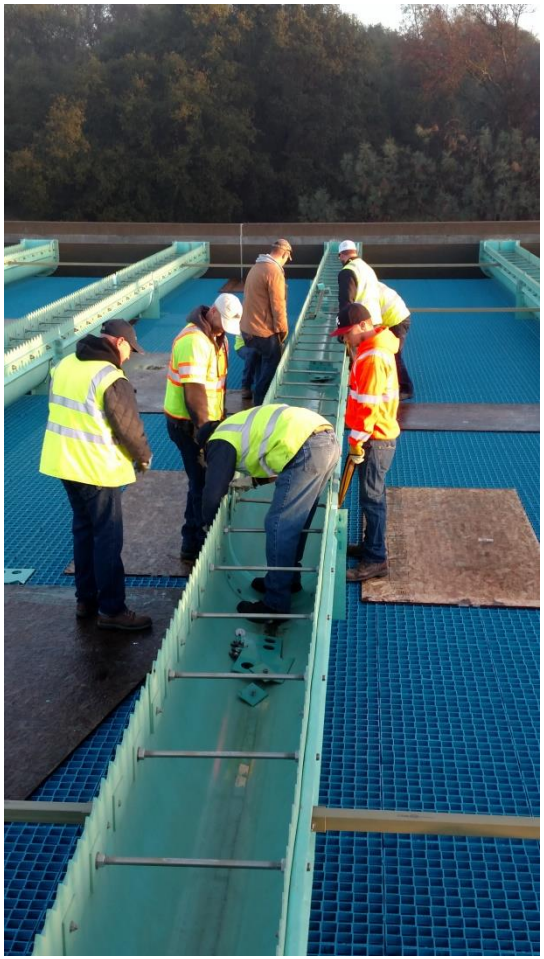




Launderer Fiberglass Repairs

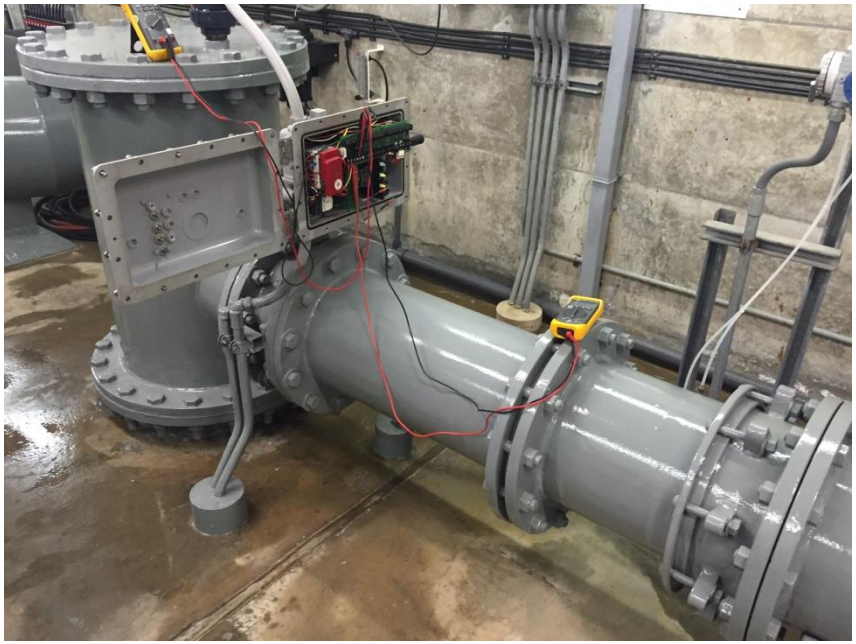
- Routine inspection revealed cracks in 2 locations
- Joint project – WTP, FS and outside contractor
- Repairs require the entire basin to be out of service, operating on half a plant





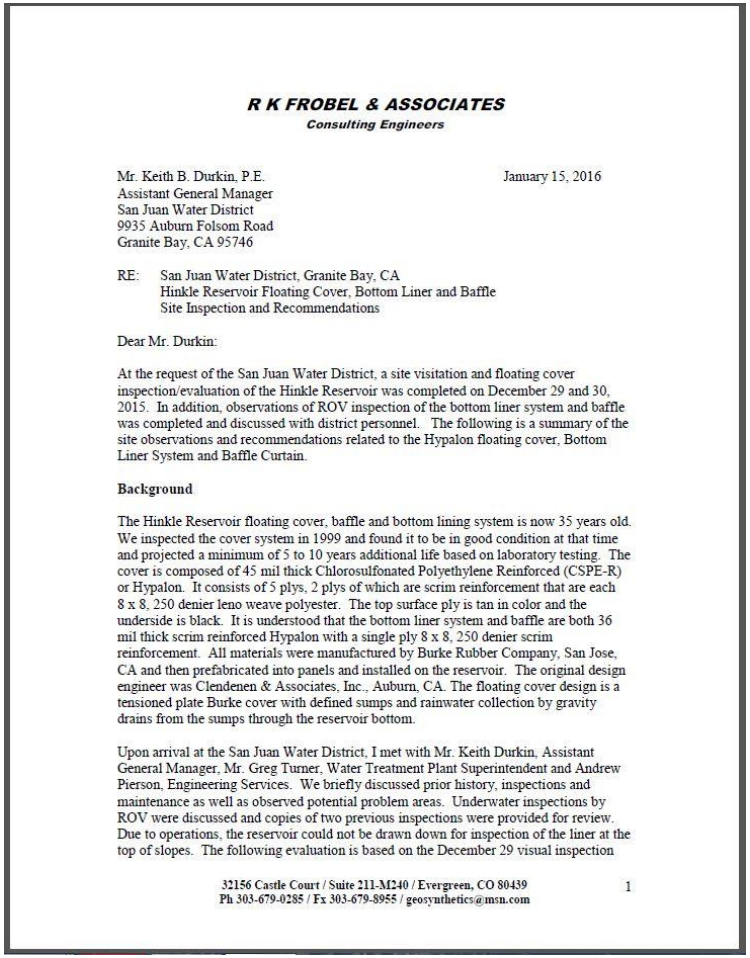
Effluent Valve Actuator Calibrations

- Valve cards require calibration
- Maintenance & Op's coordinated effort
- Trained staff how to calibrate without E&I Technician



Hinkle Cover Assessment

- Currently active project
- Assessing the remaining life of Hinkle's cover and liner
- Visual and physical inspection
- Joint Project – WTP, Engineering and consultant



R K FROBEL & ASSOCIATES
Consulting Engineers

Mr. Keith B. Durkin, P.E.
Assistant General Manager
San Juan Water District
9935 Auburn Folsom Road
Granite Bay, CA 95746

January 15, 2016

RE: San Juan Water District, Granite Bay, CA
Hinkle Reservoir Floating Cover, Bottom Liner and Baffle
Site Inspection and Recommendations

Dear Mr. Durkin:

At the request of the San Juan Water District, a site visitation and floating cover inspection/evaluation of the Hinkle Reservoir was completed on December 29 and 30, 2015. In addition, observations of ROV inspection of the bottom liner system and baffle was completed and discussed with district personnel. The following is a summary of the site observations and recommendations related to the Hypalon floating cover, Bottom Liner System and Baffle Curtain.

Background

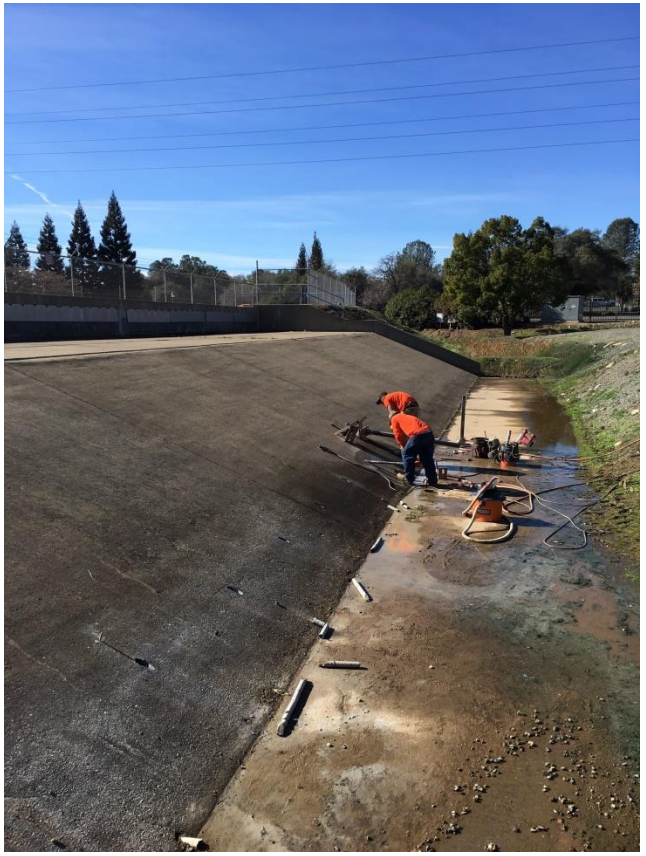
The Hinkle Reservoir floating cover, baffle and bottom lining system is now 35 years old. We inspected the cover system in 1999 and found it to be in good condition at that time and projected a minimum of 5 to 10 years additional life based on laboratory testing. The cover is composed of 45 mil thick Chlorosulfonated Polyethylene Reinforced (CSPE-R) or Hypalon. It consists of 5 plys, 2 plys of which are scrim reinforcement that are each 8 x 8, 250 denier leno weave polyester. The top surface ply is tan in color and the underside is black. It is understood that the bottom liner system and baffle are both 36 mil thick scrim reinforced Hypalon with a single ply 8 x 8, 250 denier scrim reinforcement. All materials were manufactured by Burke Rubber Company, San Jose, CA and then prefabricated into panels and installed on the reservoir. The original design engineer was Clendenen & Associates, Inc., Auburn, CA. The floating cover design is a tensioned plate Burke cover with defined sumps and rainwater collection by gravity drains from the sumps through the reservoir bottom.

Upon arrival at the San Juan Water District, I met with Mr. Keith Durkin, Assistant General Manager, Mr. Greg Turner, Water Treatment Plant Superintendent and Andrew Pierson, Engineering Services. We briefly discussed prior history, inspections and maintenance as well as observed potential problem areas. Underwater inspections by ROV were discussed and copies of two previous inspections were provided for review. Due to operations, the reservoir could not be drawn down for inspection of the liner at the top of slopes. The following evaluation is based on the December 29 visual inspection

32156 Castle Court / Suite 211-M240 / Evergreen, CO 80439
Ph 303-679-0285 / Fx 303-679-8955 / geosynthetics@msn.com

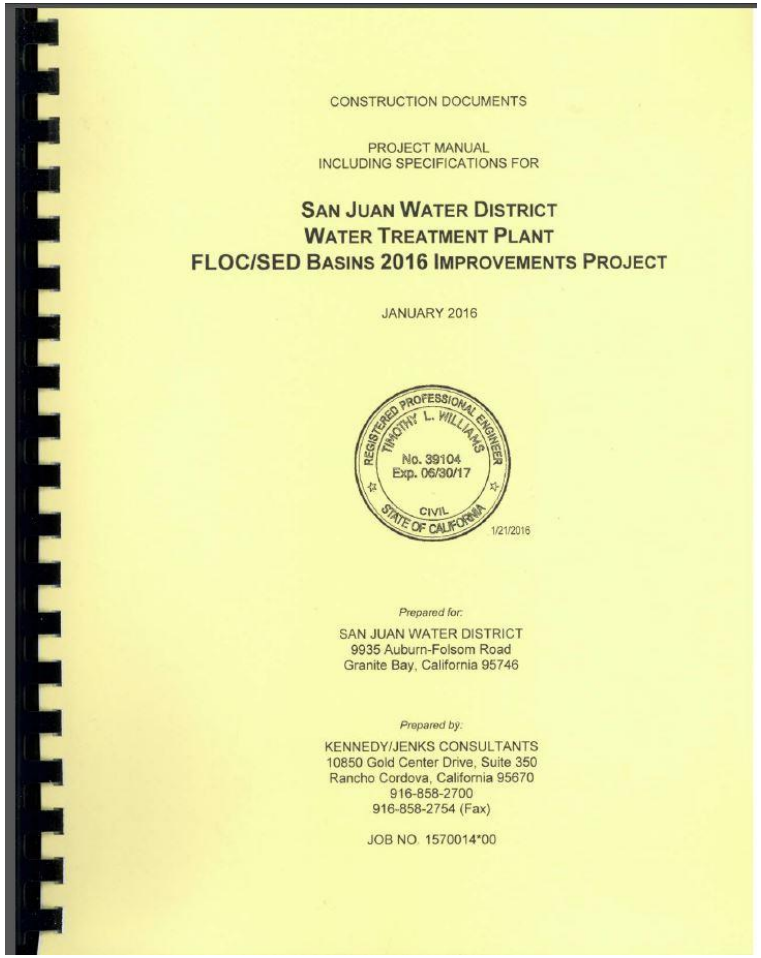
Hinkle Apron Drain Project

- Comply with Division of Safety of Dams
- Greater safety factor for Hinkle spillway
- Returning drainage to Baldwin to normal conditions
- Joint project – WTP and Engineering



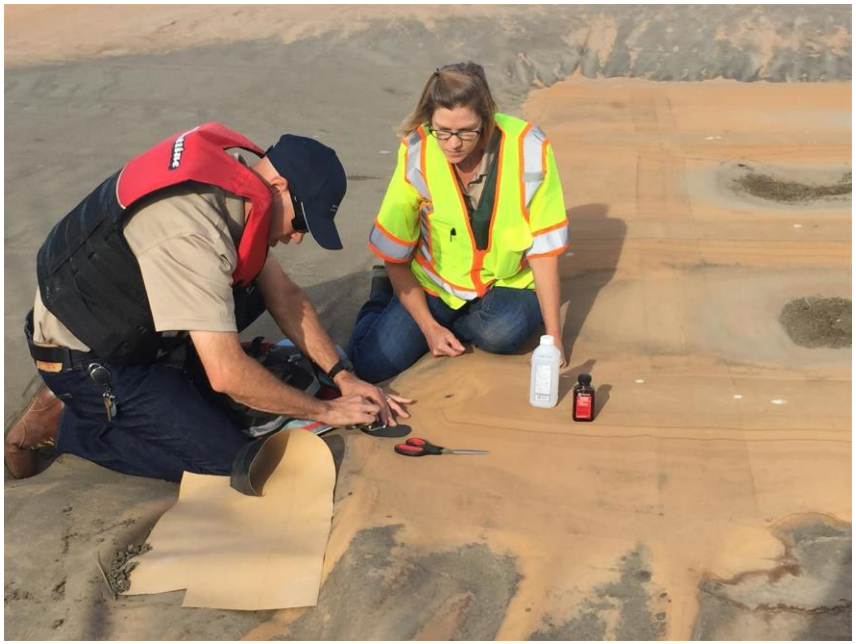
Floc/Sed Plan and Spec Reviews

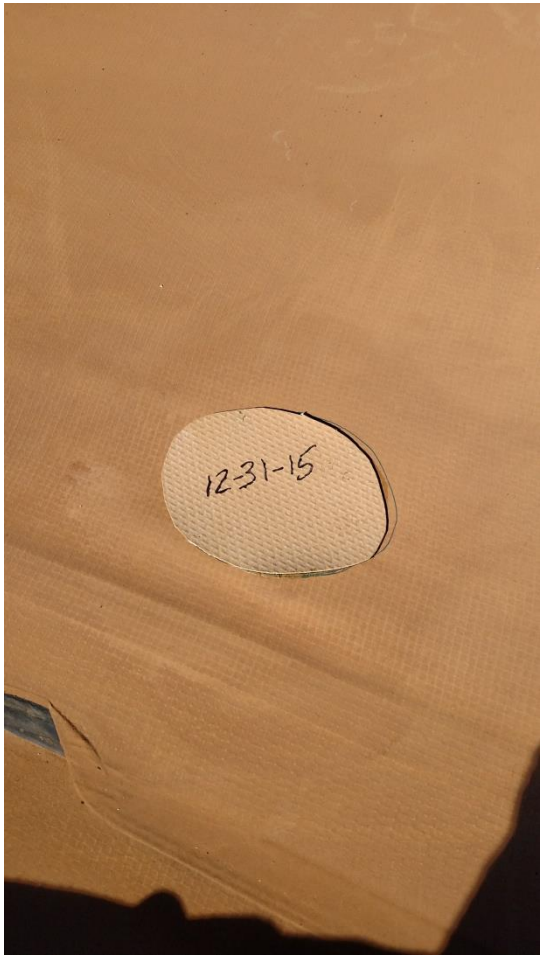
- Joint project – WTP, Engineering and consultant
- Large time commitment to ensure good project
- Staff comments has led to a better project and several project reductions



Hinkle Repairs

- Monthly and weekly inspections reveal areas in need of attention
- All corrections/repairs completed in house



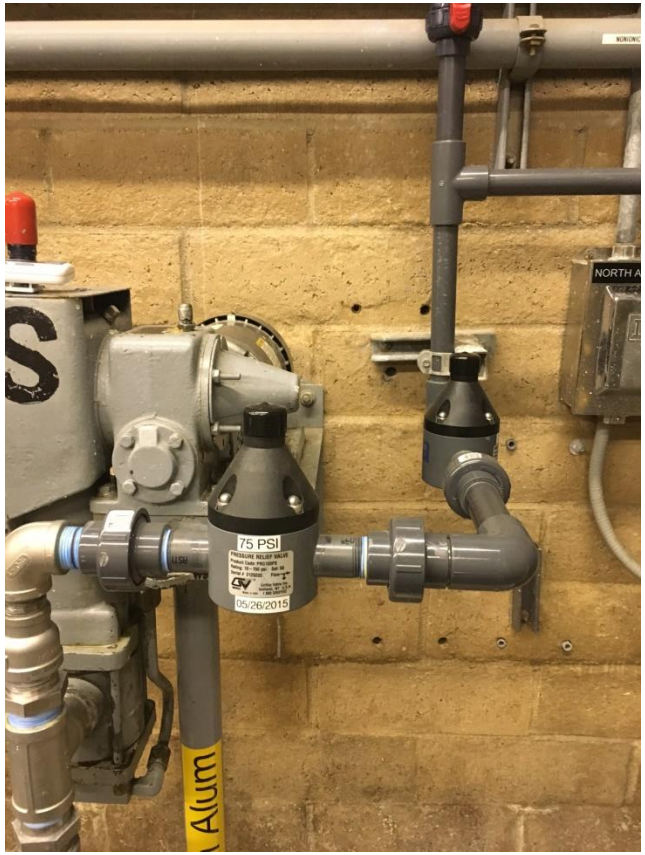

12-31-15

Other Accomplishments

- SSWD pump back and testing
- Coagulant optimization and UV 254
- Circuit labeling
- Filter underdrain check valve replacement
- Compress air line relocation

Poly Pump and Chemical Line Improvements

- Achieved pump approval from DDW
- Easier to work on and lower cost to maintain
- Installation of new pump
- Improved safety
- Improved reliability


75 PSI
05/26/2015


NORTH POLY
SOUTH ALUM

Filter Gallery Emergency Repairs

- Routine inspection revealed power outage would not supply emergency lighting
- Rewired circuit to code
- Installed new/proper ballasts and batteries

WTP Staff

Aaron Davis

Joel Lefohn

Jackie Foley

Eric Cosens

Mike Spencer

Cody Sinnock

Jed Thorne

Jason Hoffman

Looking Ahead

- Arc Flash Project
- Floc/Sed Improvements Project
- Hinkle Cover Assessment
- Backwash Pump Rehab Project
- Control Stations Project
- Emergency Table Top Exercise w/Fire Depts
- Continued Drought Challenges and Operations

DRAFT

Personnel Committee Meeting
San Juan Water District
January 22, 2016
9:00 a.m.

Committee Members: Pam Tobin, Chair
Bob Walters, Director

District Staff: Teri Grant, Board Secretary/Administrative Assistant

Members of the Public: Kim Silvers, Silvers HR

Topics: Public Comment
Other Personnel Matters
Closed Session
Open Session

1. **Public Comment (W/R)**
   There was no public comment.

2. **Other Personnel Matters**
   There were no other matters discussed.

President Tobin called for Closed Session at 9:02 am. Ms. Grant excused herself from the Closed Session.

3. **Closed Session**
   General Manager's performance evaluation, and conference with negotiating committee involving compensation of General Manager, under Government Code sections 54954.5(e) and 54954.5(f), 54957 and 54957.6.

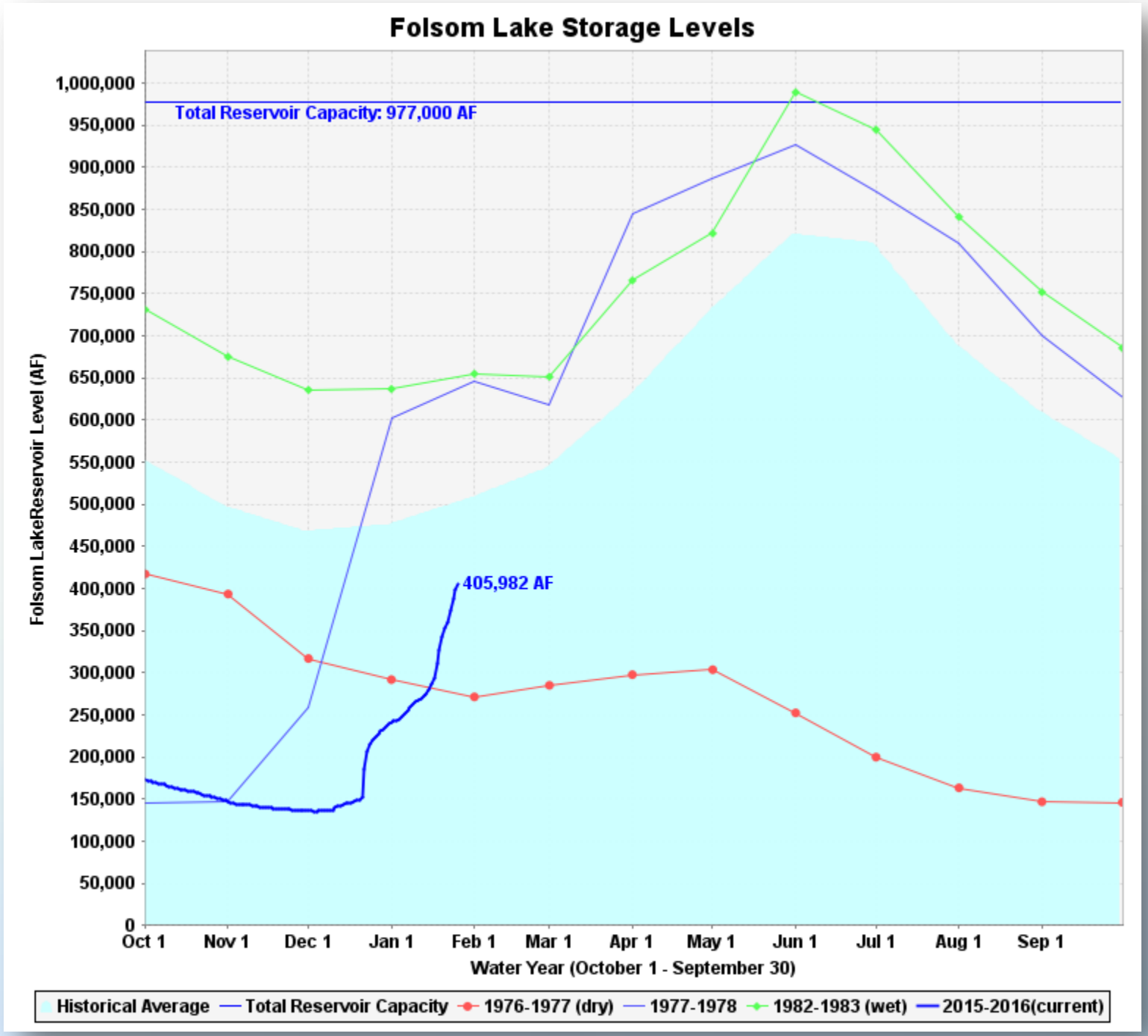
4. **Open Session**
   There was no report from the Closed Session

The meeting was adjourned at 11:00 a.m.

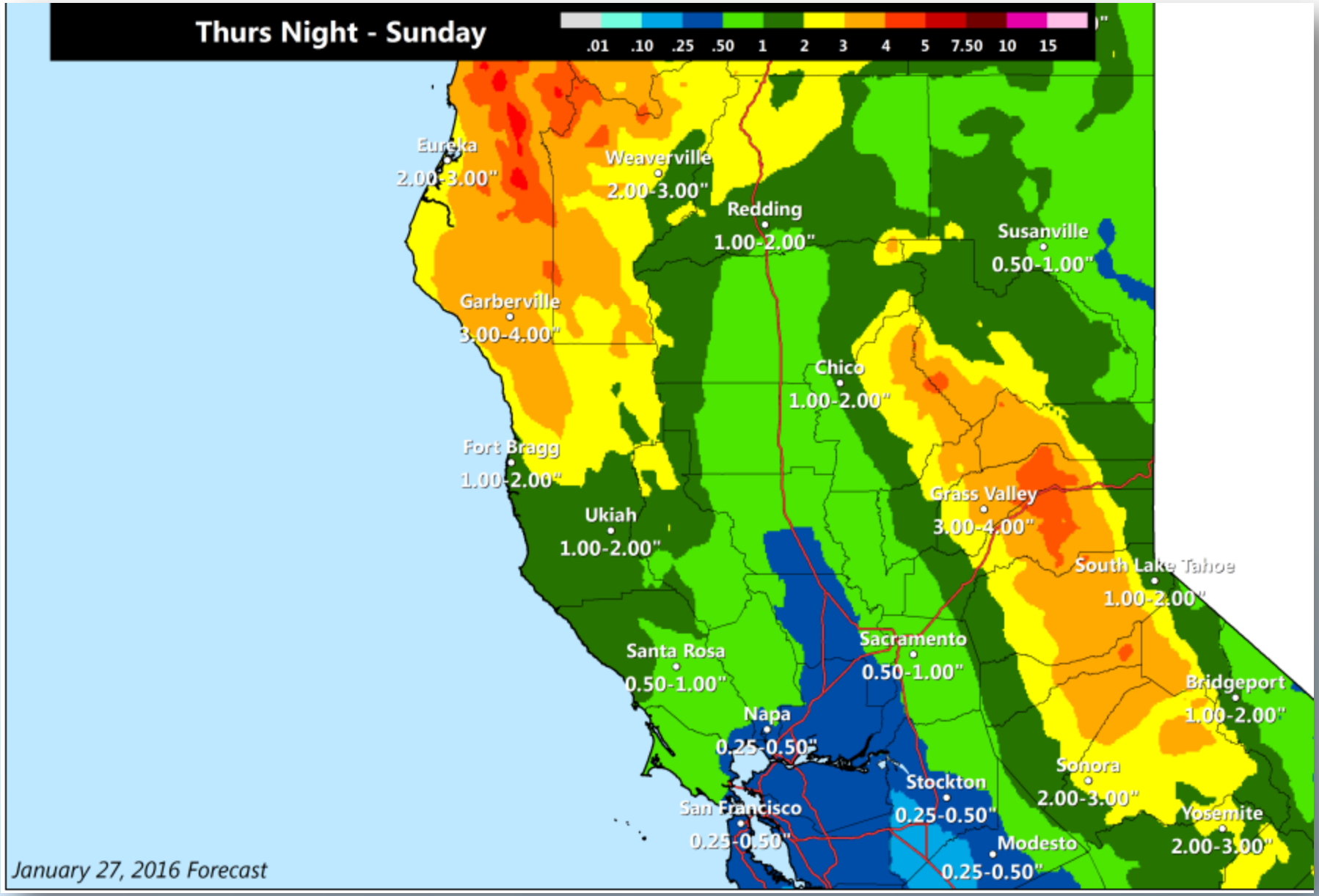
Water Supply Update

January 27, 2016

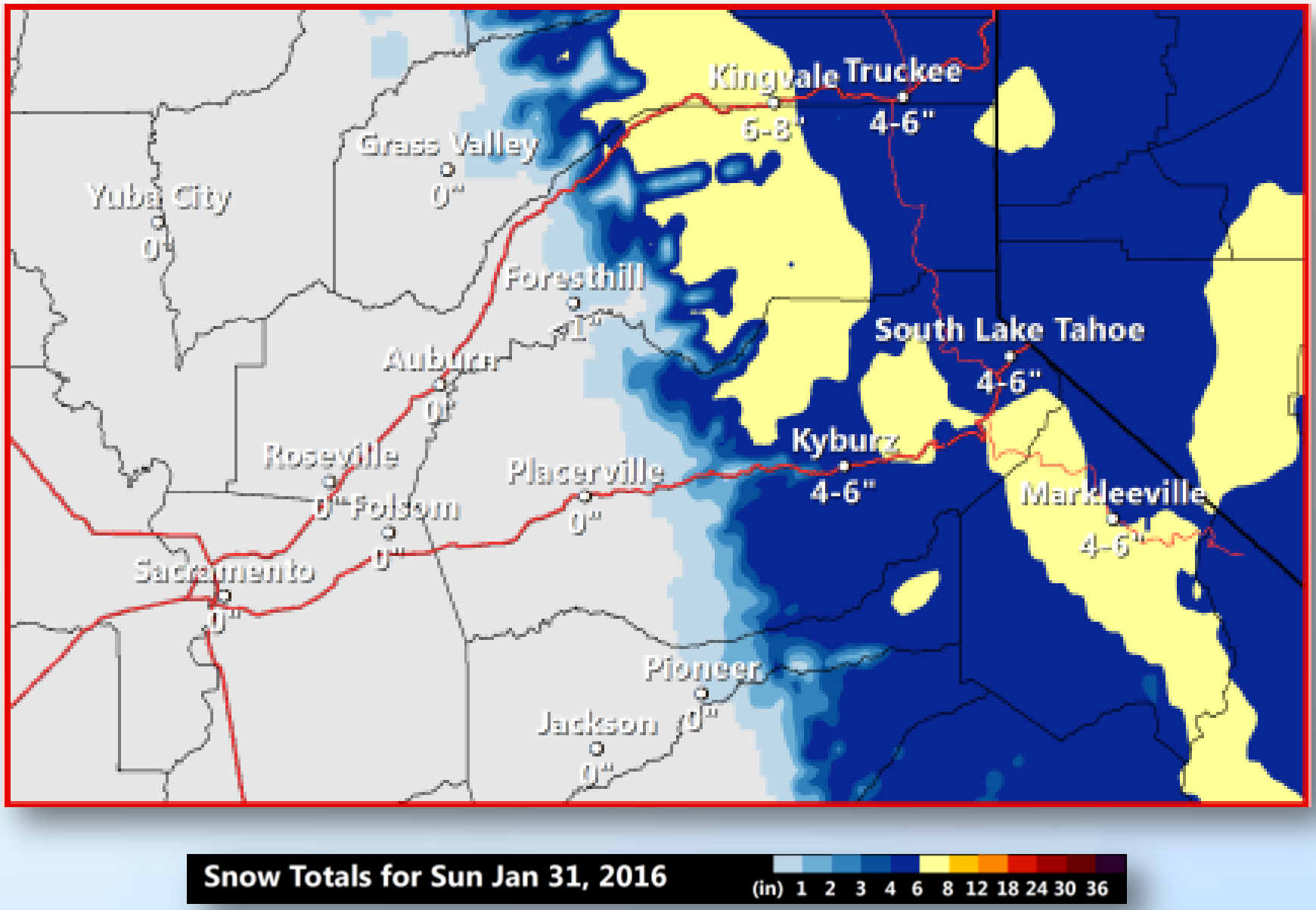
Shauna Lorance
General Manager


Folsom Lake Storage Levels
Total Reservoir Capacity: 977,000 AF
405,982 AF
Folsom LakeReservoir Level (AF)
1,000,000
950,000
900,000
850,000
800,000
750,000
700,000
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Water Year (October 1 - September 30)
Historical Average
Total Reservoir Capacity
1976-1977 (dry)
1977-1978
1982-1983 (wet)
2015-2016(current)

Precipitation Forecast



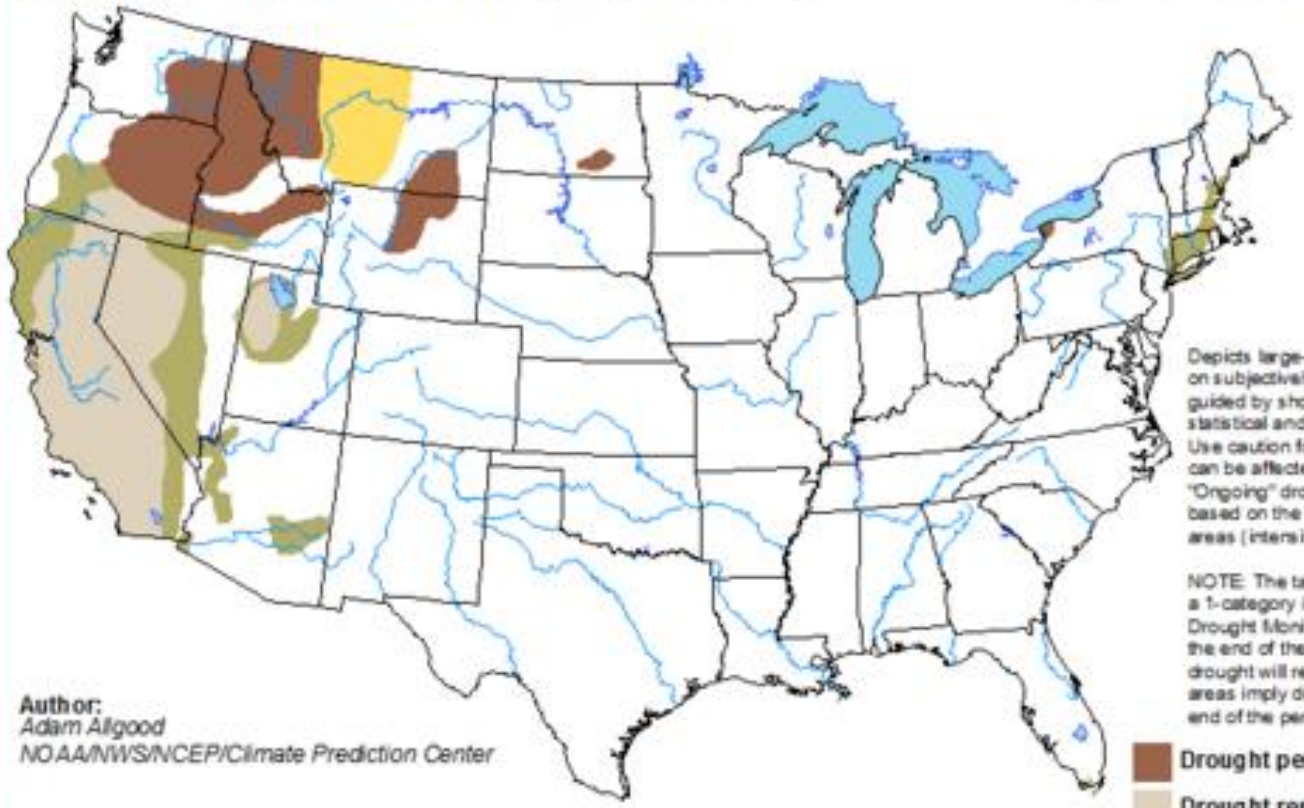
Snowfall Forecast



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for January 21 - April 30, 2016
Released January 21, 2016



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Drought persists
Drought remains but improves
Drought removal likely
Drought development likely

Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

http://go.usa.gov/3eZ73

White House Launches Water Innovation Strategy

The White House has launched a new strategy to build greater public and private support for a sustainable water future. The initiative focuses on increasing private investment in research and development of innovative water efficiency solutions. Goals include boosting water sustainability through the greater utilization of water-efficient and water reuse technologies and promoting and investing in breakthrough R&D that reduces the price and energy costs of new water supply technology.

The sustainability portion of the strategy aims at driving greater water reuse and efficiency for business, industry and municipal users, calling for reducing water usage by 33 percent. The R&D portion focuses on improving water security and developing technologies to achieve "pipe parity" for delivering water from non-traditional sources, such as reuse and desalination, equal to the cost and efficiency of water from traditional sources.

In addition, a new Center for Natural Resources Investments has been created at the Department of the Interior, which will promote increased private investment in water infrastructure and water exchange agreements in western states. A new funding opportunity for $20 million in water and energy efficiency grants will also be available through the WaterSMART program at Interior.

The White House will host a Water Summit on March 22, which will bring together water stakeholders from federal, state, private and NGOs to "catalyze ideas and actions" to help build a sustainable water future through innovative technology. The administration is seeking information about commitments, activities and actions that will support the summit goals.

A link to the White House fact sheet on the strategy can be found at www.amwa.net/innovationstrategy.

RECLAMATION
Managing Water in the West

U.S. Department of the Interior
Bureau of Reclamation

American River Group

Thursday, January 21st, 2016 1:30 PM
Central Valley Operation Office, Room 302
3310 El Camino Ave.
Sacramento, CA 95821

1. Fisheries Updates

2. Operations Forecast

3. Temperature Management

4. Status Reports

5. Schedule Next Meeting

6. Adjourn

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

DAILY CVP WATER SUPPLY REPORT

JANUARY 20, 2016

RUN DATE: January 21, 2016

RESERVOIR RELEASES IN CUBIC FEET/SECOND

RESERVOIR	DAM	WY 2015	WY 2016	15 YR MEDIAN
TRINITY	LEWISTON	304	305	301
SACRAMENTO	KESWICK	2,912	2,980	4,216
FEATHER	OROVILLE (SWP)	950	950	1,450
AMERICAN	NIMBUS	924	498	1,517
STANISLAUS	GOODWIN	302	203	233
SAN JOAQUIN	FRIANT	168	148	135

STORAGE IN MAJOR RESERVOIRS IN THOUSANDS OF ACRE-FEET

RESERVOIR	CAPACITY	15 YR AVG	WY 2015	WY 2016	% OF 15 YR AVG
TRINITY	2,448	1,484	854	589	40
SHASTA	4,552	2,735	1,957	1,859	68
OROVILLE (SWP)	3,538	1,881	1,416	1,240	66
FOLSOM	977	405	446	343	85
NEW MELONES	2,420	1,366	556	355	26
FED. SAN LUIS	966	646	332	129	20
MILLERTON	520	280	183	195	70
TOT. N. CVP	11,360	6,636	4,145	3,275	49

ACCUMULATED INFLOW FOR WATER YEAR TO DATE IN THOUSANDS OF ACRE-FEET

RESERVOIR	CURRENT WY 2016	DRIEST WY 1977	WETTEST WY 1983	15 YR AVG	% OF 15 YR AVG
TRINITY	164	37	322	247	66
SHASTA	1,116	851	1,780	1,479	75
FOLSOM	316	133	1,274	485	65
NEW MELONES	164	0	446	189	87
MILLERTON	60	78	632	186	32

ACCUMULATED PRECIPITATION FOR WATER YEAR TO DATE IN INCHES

RESERVOIR	CURRENT WY 2016	DRIEST WY 1977	WETTEST WY 1983	AVG (N YRS)	% OF AVG	LAST 24 HRS
TRINITY AT FISH HATCHERY	17.77	4.40	20.41	16.37 (54)	109	0.09
SACRAMENTO AT SHASTA DAM	33.60	5.34	33.44	29.13 (59)	115	1.96
AMERICAN AT BLUE CANYON	35.10	7.61	42.68	30.07 (41)	117	0.03
STANISLAUS AT NEW MELONES	18.01	0.00	15.88	11.91 (38)	151	0.28
SAN JOAQUIN AT HUNTINGTON LK	18.07	4.80	31.50	17.96 (41)	101	0.16

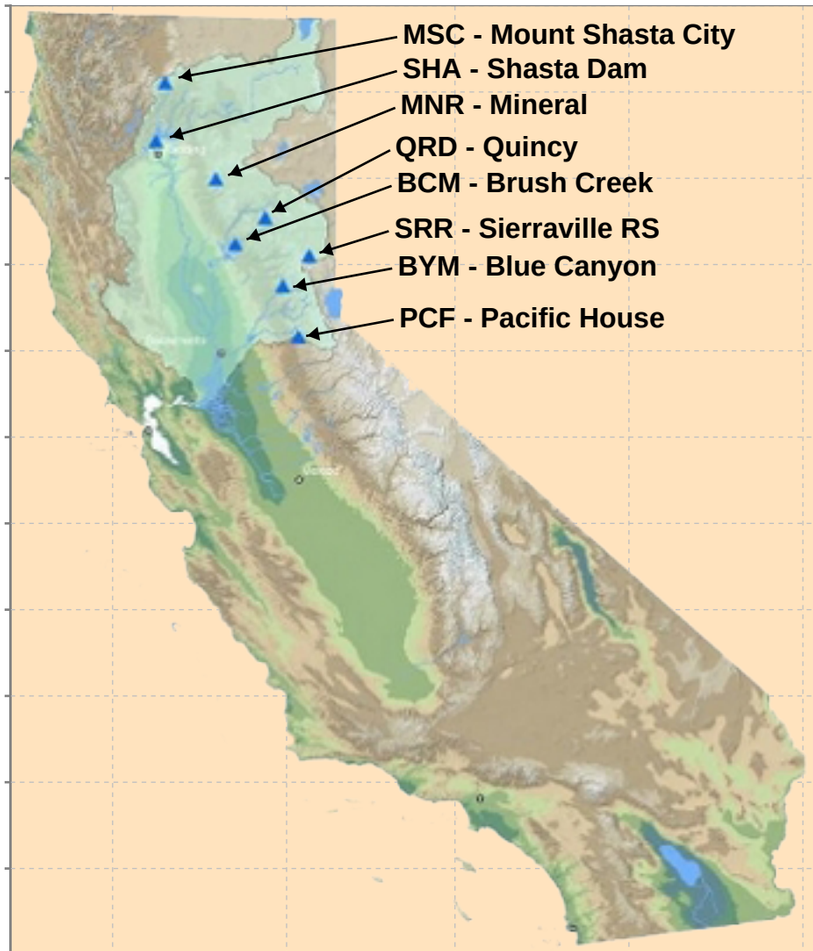
American River Summary Conditions – January (On-going):

- Recent rain events have improved storage refill (December low point storage gain to date is approximately 206 TAF, January 1st storage gain to date is approximately 103 TAF).

Storage Management Conditions:

- Recent storage gains and CNRFC runoff projections indicate growing confidence in storage recovery. Anticipate modest increase in release from very low flows to low flows (800 cfs) to balance water-year storage management.

North Sierra Precipitation: 8-Station Index, January 21, 2016



Percent of Average for this Date: 112%

1982-1983 (wettest) 88.5

1997-1998 82.4

Average (1922-1998) 50.0

2014-2015 Daily Precip 37.2

Current Daily Precip:26.8

1976-1977(2nd driest & driest thru Aug) 19.0

Cumulative Daily/Monthly Precipitation (inches)

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Oct 1 Nov 1 Dec 1 Jan 1 Feb 1 Mar 1 Apr 1 May 1 Jun 1 Jul 1 Aug 1 Sep 1 Oct 1

Water Year (October 1 - September 30)

Total Water Year Precipitation

California Snow Water Content, January 21, 2016, Percent of April 1 Average

Statewide Percent of April 1: 59%

Statewide Percent of Average for Date: 113%

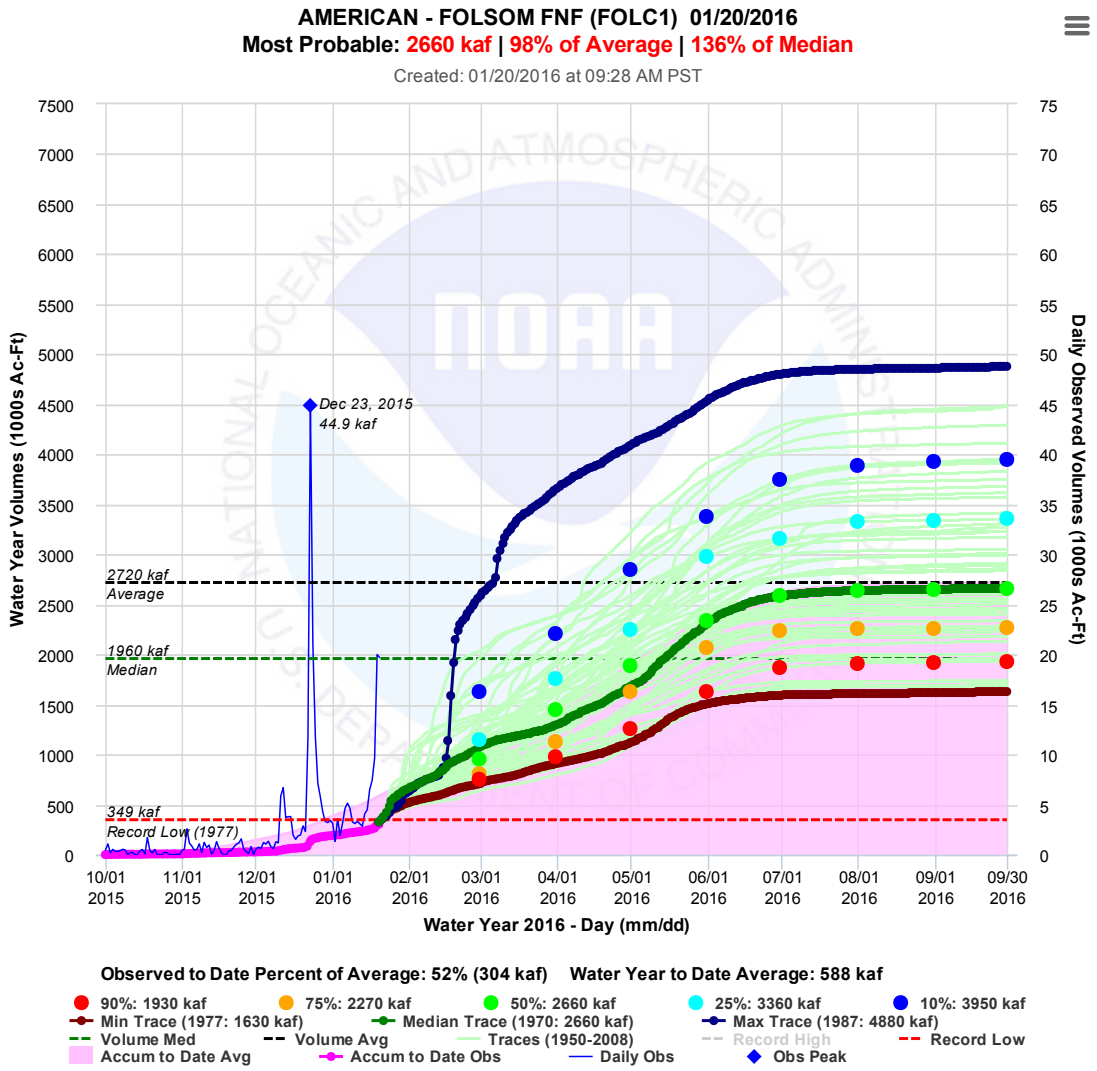
AMERICAN RIVER - FOLSOM LAKE (FOLC1)

Latitude: 38.71° N **Longitude: 121.16° W** **Elevation: 350 Feet**
Location: Sacramento County in California **River Group: Lower Sacramento**

Issuance Time: Jan 20 2016 at 9:33 AM PST

2016 Water Year Accumulated Volume Plot

CSV Ensemble File Download: Forecast Group | FOLC1



Tabular Monthly Volume Accumulation (1000s of Acre-Feet)

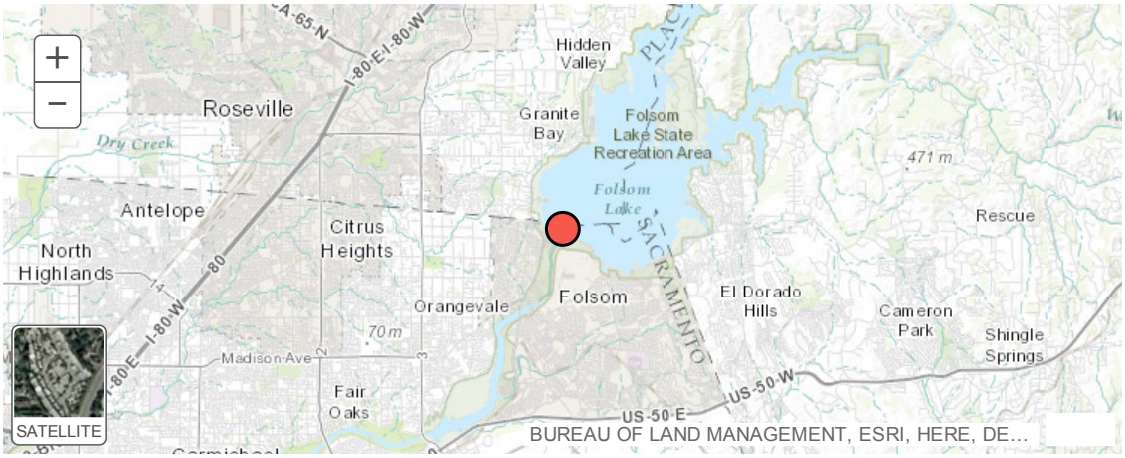
Probability	Nov 1 2015	Dec 1 2015	Jan 1 2016	Feb 1 2016	Mar 1 2016	Apr 1 2016	May 1 2016	Jun 1 2016	Jul 1 2016	Aug 1 2016	Sep 1 2016	Oct 1 2016
10% (Max)	--	--	--	--	1630	2210	2850	3380	3750	3890	3930	3950
25%	--	--	--	--	1150	1760	2250	2980	3160	3330	3340	3360
50% (Most Prob)	--	--	--	--	956	1450	1890	2340	2590	2640	2650	2660
75%	--	--	--	--	809	1130	1630	2070	2240	2260	2260	2270

90% (Min)	--	--	--	--	754	979	1260	1630	1870	1910	1920	1930

Location Photographs

Upstream Photo | Gage House Photo | Downstream Photo

ESRI™ Locator Map



Official 7 Day National Weather Service Forecast (CAZ017)

Today: Areas of fog in the morning. Mostly cloudy. Highs 57 to 64. Light winds becoming southeast up to 10 mph in the afternoon.

Tonight: Mostly cloudy. A slight chance of rain in the evening and then rain likely after midnight. Lows around 51. Southeast winds 10 to 15 mph.

Friday: Rain. Highs around 56. Southeast winds 15 to 20 mph.

Friday Night: Rain and breezy. Lows around 49. South winds 10 to 25 mph.

Saturday: Rain likely in the morning and then rain showers likely and a slight chance of thunderstorms in the afternoon. Highs 52 to 58. South winds 10 to 20 mph.

Saturday Night: Mostly cloudy with a slight chance of rain showers. Lows around 42.

Sunday: Partly cloudy. Highs 52 to 57.

Sunday Night and Monday: Mostly cloudy. Patchy dense fog. Lows around 39. Highs 53 to 59.

Monday Night and Tuesday: Partly cloudy. Patchy fog. Lows around 41. Highs 54 to 60.

Tuesday Night: Mostly cloudy. Lows around 44.

Wednesday: Partly cloudy. Areas of fog. Highs 58 to 65.

DRAFT January 2016

90% Runoff Exceedance Outlook:

Inflow based on adjusted B120 90% exceedence runoff.

Federal End of the Month Storage/Elevation (TAF/Feet)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Folsom	239	339	465	639	622	632	463	329	239	209	199	197	203
Elev.		394	412	433	431	432	412	392	376	369	367	366	368

Monthly River Releases (cfs)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
American	500	800	800	3476	2429	4181	3164	2592	1500	757	750	750

50% Runoff Exceedance Outlook:

Inflow based on adjusted B120 50% exceedence runoff.

Federal End of the Month Storage/Elevation (TAF/Feet)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Folsom	239	490	571	672	792	954	896	679	521	482	449	434	439
Elev.		415	425	436	449	464	459	437	419	414	410	408	408

Monthly River Releases (cfs)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
American	500	3500	4750	3500	3500	4501	5022	4004	2040	1763	1750	1750

Please note:

CVP actual operations do not follow any forecasted operation or outlook; actual operations are based on real-time conditions.

CVP operational forecasts or outlooks consider general system-wide dynamics and do not necessarily address specific watershed/tributary details.

CVP releases represent monthly averages.

CVP operations are updated monthly as new hydrology information is made available December through May.

Summary for Folsom Lake and Lower American River - December 2015

Day	Mean Daily Water Temperature (˚ F)									Storage (TAF)	Release (cfs)	Sacramento Mean Daily Air Temperature (˚ F)
	NFA	ARP	AFD	Penstock Units 1-2-3			AHZ	AWP	AWB	Folsom	Nimbus	
1	43.6	42.4	52.9	B(68)	B(32)	O(0)	51.4	50.5	49.5	136.5	533	45
2	45.2	44.0	52.8	B(12)	B(88)	O(0)	51.6	51.5	50.9	136.1	544	49
3	46.4	45.1	52.4	B(1)	B(99)	O(0)	51.6	51.1	50.8	135.7	533	48
4 *	47.4	45.7	52.7	B(26)	B(74)	O(0)	51.6	51.5	51.2	135.6	559	50
5	47.1	45.1	53.1	B(97)	B(3)	O(0)	51.6	51.2	51.0	136.6	535	47
6	47.6	46.0	53.0	B(1)	B(99)	O(0)	51.9	52.2	52.0	136.6	536	55
7	48.9	47.5	53.0	B(90)	B(10)	O(0)	52.1	53.4	53.7	136.1	537	56
8	49.1	48.6	52.9	B(1)	B(99)	O(0)	52.6	52.7	53.1	136.2	536	51
9	49.7	48.7	52.9	B(81)	B(19)	O(0)	52.8	53.6	53.5	136.2	526	55
10	50.4	49.5	52.6	B(21)	B(79)	O(0)	52.8	54.3	54.5	135.9	514	56
11	49.4	49.5	52.8	B(97)	B(3)	O(0)	53.3	53.6	53.9	139.6	513	50
12	48.0	47.1	52.7	B(32)	B(68)	O(0)	53.1	52.4	52.2	141.4	514	47
13	48.0	47.1	52.3	B(57)	B(43)	O(0)	52.8	52.5	52.0	142.6	514	50
14	46.8	45.9	51.8	B(28)	B(72)	O(0)	52.4	50.8	50.2	144.5	513	44
15	44.6	43.3	51.7	B(57)	B(43)	O(0)	51.9	50.4	49.4	145.4	513	44
16	43.2	41.5	51.4	B(1)	B(99)	O(0)	51.3	50.1	49.0	145.9	513	42
17	43.8	42.3	50.6	B(67)	B(33)	O(0)	50.9	50.8	50.0	146.2	514	46
18	43.3	42.9	50.4	B(22)	B(78)	O(0)	50.7	50.4	49.9	147.1	514	47
19	44.3	44.5	50.4	B(90)	B(10)	O(0)	50.7	51.3	51.0	148.4	513	48
20	44.2	43.5	50.0	B(54)	B(46)	O(0)	50.5	50.2	50.2	148.9	513	46
21	45.2	44.5	49.9	B(82)	B(18)	O(0)	50.4	50.2	49.9	151.8	511	48
22	46.5	47.8	49.9	B(18)	B(82)	O(0)	50.5	51.7	51.5	186.2	513	55
23	47.2	45.6	49.3	B(63)	B(37)	O(0)	50.7	51.4	51.9	206.6	512	48
24	45.6	44.2	48.6	B(51)	B(49)	O(0)	50.6	49.7	49.7	215.5	499	44
25	44.3	43.3	48.4	B(99)	B(1)	O(0)	50.3	49.1	48.4	220.3	501	40
26	43.0	42.4	48.3	B(2)	B(98)	O(0)	50.1	48.6	47.9	224.3	500	41
27	41.8	41.5	48.0	B(46)	B(54)	O(0)	49.6	48.1	47.1	227.4	503	38
28	42.1	42.3	47.7	B(27)	B(73)	O(0)	49.3	48.7	47.9	230.6	503	41
29	41.6	40.7	47.2	B(84)	B(16)	O(0)	48.7	47.8	47.4	233.1	499	39
30	41.3	40.8	46.9	B(72)	B(28)	O(0)	48.1	47.7	47.2	236.8	502	40
31	40.6	40.2	46.8	B(61)	B(39)	O(0)	47.8	47.0	46.7	239.1	497	38
Avg	45.5	44.6	50.8				51.1	50.8	50.4		517	47
Tot af											31,789	

! Incomplete or estimated
 # Station out of service
*** See notes on next page**
N Data not recorded or collected
Shutter Position (T-Top raised; M-Middle raised; B-Bottom raised; A-All lowered; O-Unit Outage)
Penstock Unit Blending (value in parentheses represents approximate % total daily load)

* 12/4/2015 Terminate bypass lower river outlet from 300 cfs to 0 cfs

1/21/2016

Summary for Folsom Lake and Lower American River - January 2016

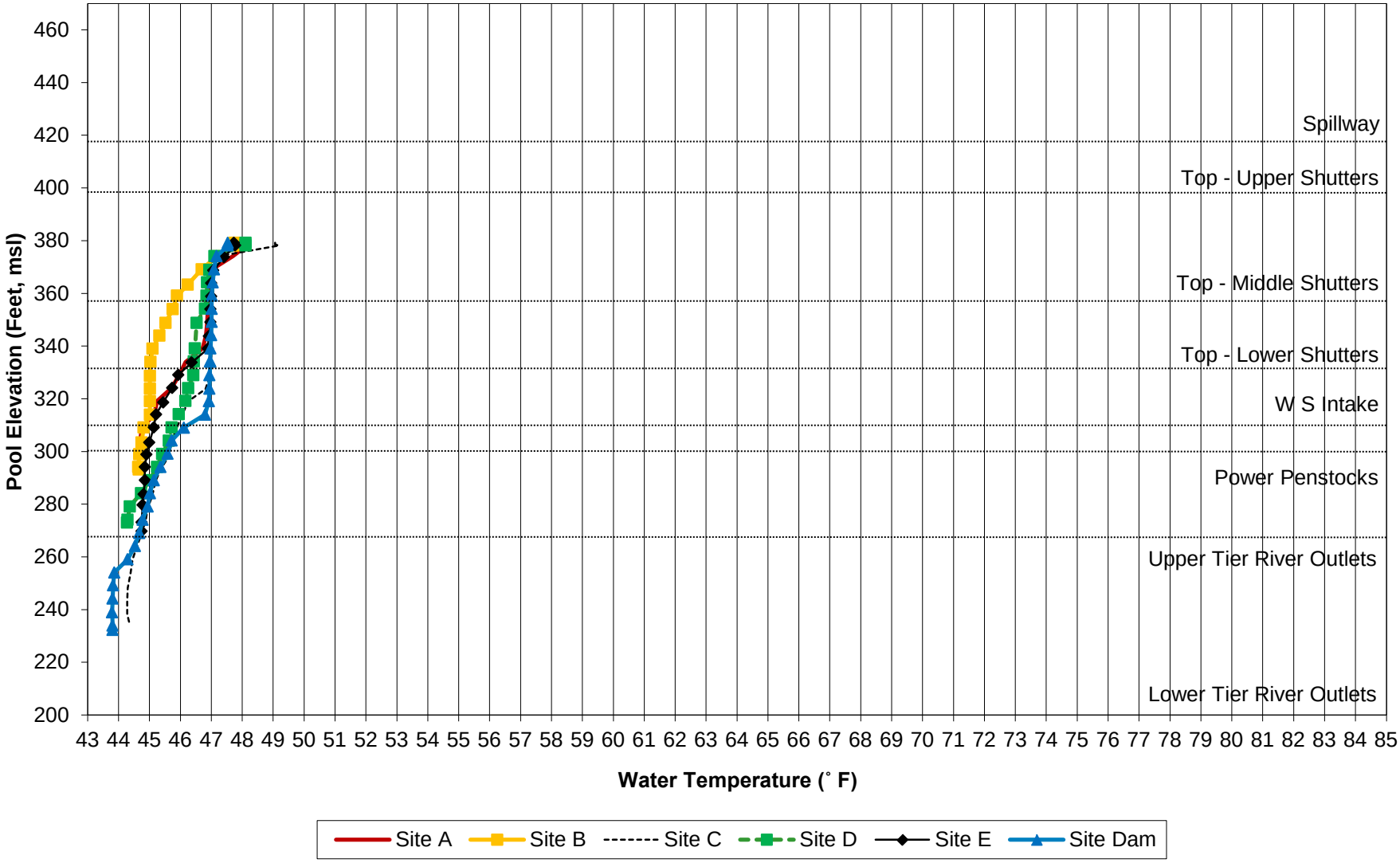
Day	Mean Daily Water Temperature (˚ F)									Storage (TAF)	Release (cfs)	Sacramento Mean Daily Air Temperature (˚ F)
	NFA	ARP	AFD	Penstock Units 1-2-3			AHZ	AWP	AWB	Folsom	Nimbus	
1	40.1	39.9	47.2	B(95)	B(5)	O(0)	47.6	46.2	46.0	240.8	500	38
2	40.1	39.9	46.9	B(1)	B(99)	O(0)	47.3	46.3	45.8	242.9	500	41
3	41.1	41.3	46.8	B(74)	B(26)	O(0)	47.3	47.6	47.2	243.3	500	46
4	41.5	41.6	46.6	B(20)	B(80)	O(0)	47.3	47.2	47.6	244.6	479	46
5	43.0	42.1	46.2	B(58)	B(42)	O(0)	47.4	48.3	48.4	248.3	501	50
6	43.4	42.8	46.7	B(46)	B(54)	O(0)	47.4	47.8	48.4	251.7	506	48
7	44.0	43.5	46.8	B(60)	B(40)	O(0)	47.5	48.1	48.3	255.2	505	46
8	43.9	42.4	46.7	B(21)	B(79)	O(0)	47.5	47.5	47.8	258.8	505	44
9	44.2	42.5	46.5	B(3)	B(97)	O(0)	47.7	48.3	48.5	262.0	507	48
10	44.7	42.7	46.5	B(93)	B(7)	O(0)	47.9	49.0	49.5	265.0	506	49
11	44.6	42.5	46.6	B(57)	B(40)	O(3)	47.9	48.6	49.5	267.4	488	50
12	43.8	41.7	46.5	B(86)	B(2)	O(12)	48.1	48.3	48.8	269.8	483	48
13	44.5	43.2	46.5	B(61)	B(39)	O(0)	48.2	49.4	49.7	272.0	493	52
14	44.5	43.0	46.5	B(23)	B(77)	O(0)	48.0	48.0	48.7	275.1	499	46
15	45.0	43.9	46.5	B(43)	B(27)	O(30)	48.1	48.5	48.6	280.6	499	49
16	45.7	43.9	46.8	B(74)	B(4)	O(22)	48.3	49.4	49.9	286.8	498	52
17	46.4	44.6	46.5	B(97)	B(3)	O(0)	48.2	49.3	50.1	294.0	501	54
18	46.9	46.1	46.9	B(42)	B(45)	O(13)	48.9	51.0	51.9	311.4	499	56
19	47.5	46.1	46.8	B(84)	B(16)	O(0)	49.0	50.9	52.1	326.9	498	55
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Avg	43.9	42.8	46.7				47.9	48.4	48.8		498	48
Tot af											18,777	

! Incomplete or estimated
Station out of service
***** See notes on next page

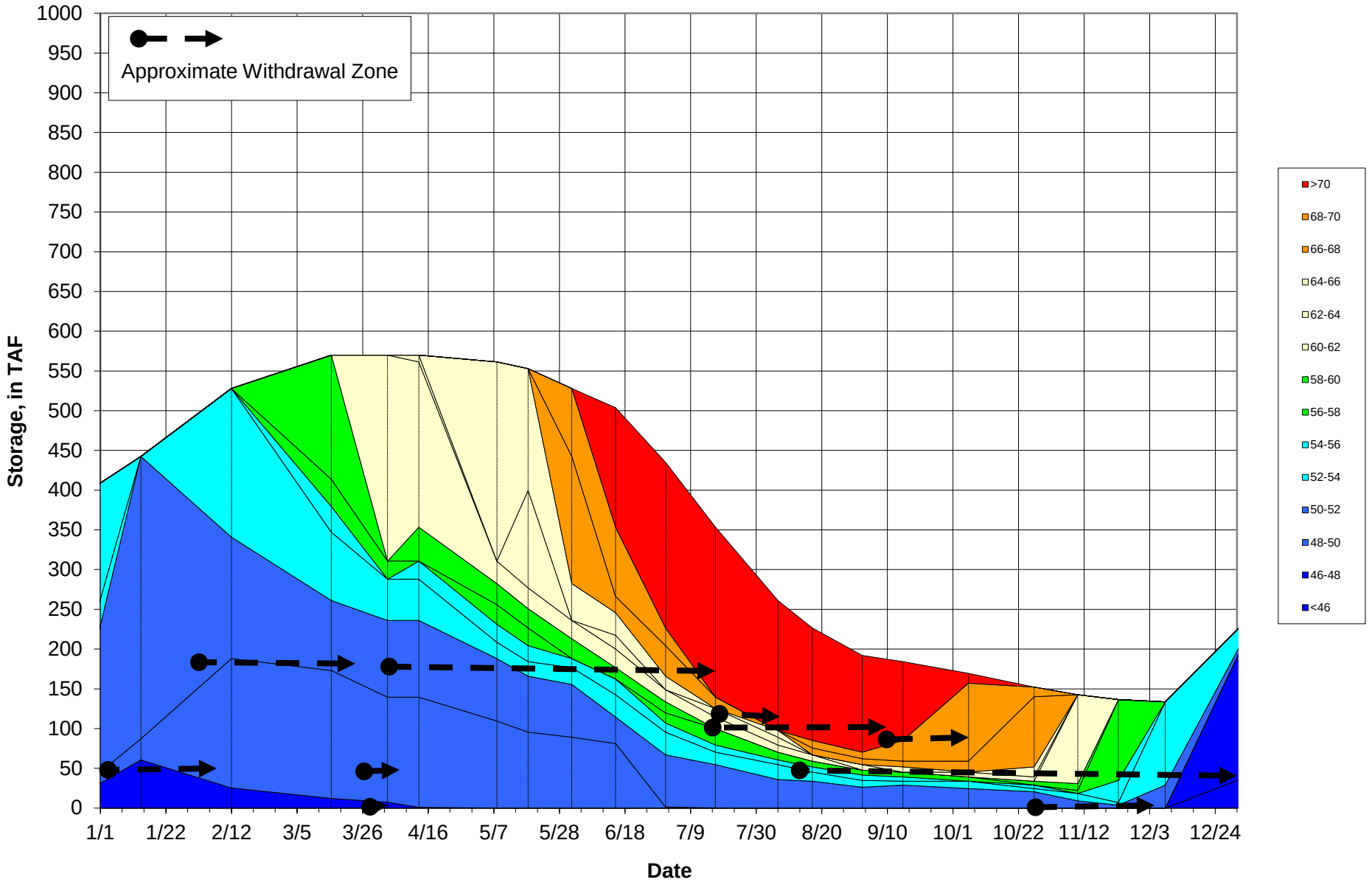
N Data not recorded or collected
Shutter Position (T-Top raised; M-Middle raised; B-Bottom raised; A-All lowered; O-Unit Outage)
Penstock Unit Blending (value in parentheses represents approximate % total daily load)

1/21/2016

Folsom Lake Temperature Profiles: 08-Jan-2016



Folsom Lake Isothermobaths - 2015
(Water Temperature, in ˚ F)



ACTIONS FOR LOCAL AGENCIES TO FOLLOW WHEN DECIDING TO BECOME OR FORM A GROUNDWATER SUSTAINABILITY AGENCY (GSA)

INTRODUCTION

The Sustainable Groundwater Management Act (SGMA), which became effective January 1, 2015, established a framework of priorities and requirements to help local agencies sustainably manage groundwater within a basin or subbasin (basin). The information in this document highlights the requirements that should be followed by a local agency in order to become or form a groundwater sustainability agency (GSA) and to be identified as an exclusive GSA by the Department of Water Resources (DWR or department). The GSA formation requirements are located in Division 6 of the Water Code, Part 2.74, Chapter 4, Section (§) 10723 *et seq*. and this document incorporates the amendments made to SGMA by Senate Bill (SB) 13 in September 2015. For reference, the definitions for GSA and local agency as defined in Water Code §10721 are as follows:

> *"Groundwater sustainability agency" means one or more local agencies that implement the provisions of this part [Part 2.74]. For purposes of imposing fees pursuant to Chapter 8 (commencing with [Water Code] Section 10730) or taking action to enforce a groundwater sustainability plan, "groundwater sustainability agency" also means each local agency comprising the groundwater sustainability agency if the plan authorizes separate agency action.*
>
> *"Local agency" means a local public agency that has water supply, water management, or land use responsibilities within a groundwater basin.*

One local agency can decide to become a GSA or a combination of local agencies can decide to form a GSA by using either a joint powers authority (JPA), a memorandum of agreement (MOA), or other legal agreement. However, a local agency will only be presumed to be the exclusive GSA within their respective service area or combined service areas. A local agency must define its service area as part of its GSA formation process.

SUMMARY OF INFORMATION REQUIRED TO BE FILED WITH DWR

A local agency is required to file the following information with DWR in order to complete the GSA formation notification requirements of Water Code §10723.8(a). Effective January 1, 2016, a notice of GSA formation will not be determined complete until all applicable information is submitted – please see **Attachment A**.

- Information that clearly shows the GSA formation notice was submitted to DWR within 30 days of the decision to become or form a GSA – the decision date is generally the date the local agency signed the resolution or legal agreement that formed the GSA.
- A map and accompanying narrative indicating: (1) the local agency's service area boundaries; (2) the boundaries of the basin or portion of the basin the agency intends to manage; and (3) any other agencies managing or proposing to manage groundwater within the basin.
    - Please include a hard-copy map and GIS shape files. The area of a basin claimed by a local agency in the GSA formation notice should match the area provided in the GIS shape files. DWR's Region Office staff will contact local agencies if those areas do not match.
- A copy of the resolution or legal agreement forming the new agency.
- A copy of any new bylaws, ordinances, or new authorities developed by the local agency.
- A list of interested parties developed pursuant to Water Code §10723.2 and an explanation of how their interests will be considered in the development and operation of the GSA and the development and implementation of the GSA's sustainability plan.

A representative of the local agency deciding to become a GSA, or a designated representative from the group of local agencies deciding to form a GSA, should include a statement in its notification that all applicable information listed in Water Code §10723.8(a) has been provided.

DWR recommends that the local agency submitting the GSA formation notice include a copy of its Government Code §6066 notice, as well as evidence demonstrating that a public hearing in accordance with Water Code §10723(b) was held in the county or counties overlying the basin.

Additional information related to a local agency's decision to be a GSA is welcomed and will help demonstrate to DWR, the State Water Resources Control Board (SWRCB), and other local agencies that a proposed GSA has the long-term technical, managerial, and financial capabilities to sustainably manage basin-wide groundwater resources and prepare a groundwater sustainability plan (GSP) or coordinated GSP for an entire groundwater basin.

FORMING A GSA AND PUBLIC NOTIFICATION REQUIREMENTS

The following summarizes the public notification and GSA formation requirements identified in SGMA. Relevant Water Code sections are excerpted for reference.

Step 1: Decision to Form a GSA

The first step in the GSA formation process is public notification that a local agency is either (1) deciding to become a GSA or (2) deciding to form a GSA together with other local agencies. Water Code §10723(b) requires that a local agency or group of local agencies hold a public hearing(s) in the county or counties overlying the groundwater basin.

SGMA identifies 15 exclusive local agencies created by statute to manage groundwater within their respective statutory boundaries; however, the 15 exclusive local agencies must still decide to become GSAs and follow the same public notification process as all other local agencies. The 90-day period described in Water Code §10723.8(c) does not apply to the 15 exclusive agencies, and no other local agency can decide to be a GSA in those areas unless one of the exclusive agencies opts out of its presumed role. The relevant Water Code sections are excerpted below.

WATER CODE §10723

(a) Except as provided in subdivision (c), any local agency or combination of local agencies overlying a groundwater basin may decide to become a GSA for that basin.

(b) Before deciding to become a GSA, and after publication of notice pursuant to Section 6066 of the Government Code, the local agency or agencies shall hold a public hearing in the county or counties overlying the basin.

(c) [Includes list of 15 "exclusive" local agencies – these agencies do not become a GSA until they submit a notification of GSA formation to DWR].

GOVERNMENT CODE §6066

Publication of notice pursuant to this section shall be once a week for two successive weeks. Two publications in a newspaper published once a week or oftener, with at least five days intervening between the respective publication dates not counting such publication dates, are sufficient. The period of notice commences upon the first day of publication and terminates at the end of the fourteenth day, including therein the first day.

Step 2: Consideration of Interests of Beneficial Uses and Users of Groundwater

Water Code §10723.2 requires GSAs to consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing GSPs. An explanation of how those interests will be considered by a GSA when developing and implementing a GSP is required as part of the GSA formation notification requirements. The details of the explanation will be considered by DWR staff when performing its completeness review. The relevant Water Code sections are excerpted below.

WATER CODE §10723.2

The GSA shall consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing GSPs. These interests include, but are not limited to all of the following:

(a) Holders of overlying groundwater rights, including:
  (1) Agricultural users.
  (2) Domestic Well owners.
(b) Municipal well operators.
(c) Public water systems.
(d) Local land use planning agencies.
(e) Environmental users of groundwater.
(f) Surface water users, if there is a hydrologic connection between surface and groundwater bodies.
(g) The federal government, including, but not limited to, the military and managers of federal lands.
(h) California Native American Tribes.
(i) Disadvantaged communities, including, but not limited to, those served by private domestic wells or small community water systems.
(j) Entities listed in Section 10927 that are monitoring and reporting groundwater elevations in all or a part of a groundwater basin managed by the GSA.

GSAs are encouraged to engage additional stakeholders in order to develop the relationships and expertise necessary to develop and implement GSPs. As stated in Water Code §10727.8, "*The GSA shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the groundwater basin prior to and during the development and implementation of the GSP*."

Step 3: Submittal of GSA Formation Information to DWR for Completeness Review

A local agency or group of local agencies must notify DWR and document its intent to become or form a GSA. The requirement for DWR to post complete GSA notices was added by an amendment made by SB 13 and is included in the Water Code references below. DWR will not post GSA formation notifications on its website that are determined incomplete – please see **Attachment A**.

WATER CODE §10723.8

(a) Within 30 days of deciding to become or form a GSA, the local agency or combination of local agencies shall inform the department of its decision and its intent to undertake sustainable groundwater management. The notification shall include the following information, as applicable:
  (1) The service area boundaries, the boundaries of the basin or portion of the basin the agency intends to manage pursuant to this part, and the other agencies managing or proposing to manage groundwater within the basin.
  (2) A copy of the resolution forming the new agency.
  (3) A copy of any new bylaws, ordinances, or new authorities adopted by the local agency.
  (4) A list of interested parties developed pursuant to Section 10723.2 and an explanation of how their interests will be considered in the development and operation of the GSA and the development and implementation of the agency's sustainability plan.

(b) The department shall post all complete notices received under this section on its Internet Web site within 15 days of receipt.

EXCLUSIVE GSA FORMATION TIMELINE – OVERLAPPING GSA SERVICE AREAS

Water Code §10735.2(a) says the SWRCB, after notice and a public hearing, may designate a high- or medium-priority basin as a probationary basin after June 30, 2017, if a local agency or a collection of local agencies has not decided to become a GSA(s) and develop a GSP(s) for the entire basin – or if a local agency has not submitted an Alternative Plan for the entire basin. A local agency that decides to become a GSA within its service area, or a group of local agencies that decides to form a GSA within their combined service areas, does not effectively become the exclusive GSA for those areas until the provisions of Water Code §10723.8(c) and (d) are met – these provisions address overlapping GSAs and management within a service area. If multiple local agencies form separate GSAs in a basin within a 90-day period, and if any of those GSA formations result in a service area overlap in the areas proposed to be managed, then none of the local agencies will become the exclusive GSA unless the overlap is resolved, which could require making a material change to the posted notice(s). The relevant Water Code sections are excerpted below.

WATER CODE §10723.8

(c) The decision to become a GSA shall take effect 90 days after the department posts notice under subdivision (b) if no other local agency submits a notification under subdivision (a) of its intent to undertake groundwater management in all or a portion of the same area. If another notification is filed within the 90-day period, the decision shall not take effect unless the other notification is withdrawn or modified to eliminate any overlap in the areas proposed to be managed. The local agencies shall seek to reach agreement to allow prompt designation of a GSA. If agreement is reached involving a material change from the information in the posted notice, a new notification shall be submitted under subdivision (a) and the department shall post notice under subdivision (b).

(d) Except as provided in subdivisions (e) and (f), after the decision to be a GSA takes effect, the GSA shall be presumed to be the exclusive GSA within the area of the basin within the service area of the local agency that the local agency is managing as described in the notice.

WATER CODE §10726.8

(b) Nothing in this part shall be construed as authorizing a local agency to make a binding determination of the water rights of any person or entity, or to impose fees or regulatory requirements on activities outside the boundaries of the local agency.

CONDITIONS FOR DETERMINING A GSA NOTIFICATION INCOMPLETE

A GSA formation notice could be determined incomplete if the provisions of Water Code §10723.8(a) are not clearly addressed. An incomplete notice will not be posted on DWR's GSA Formation Table – DWR staff will inform local agencies of the reason(s) for not posting. Local agencies will be given an opportunity to provide additional required information, if applicable. A complete notice will be posted within 15 days of being determined complete. Examples of what could deem a GSA formation notification to be incomplete include, but are not limited to, the following:

- Informing DWR of the decision to become a GSA more than 30 days after the decision was made.
- Submitting an incomplete map or insufficient information to clearly define the local agency's service area boundaries with respect to the area of the basin proposed to be managed as a GSA.
    - DWR must be able to determine if one GSA notice overlaps with another GSA notice, and a GIS shapefile may be required to make this determination. *Please submit an accurate shapefile*.
- No copy of a resolution or legal agreement forming the new agency.
- No copy of any new bylaws, ordinances, or new authorities adopted, if applicable.

- An incomplete list of interested parties developed pursuant to Water Code §10723.2 or an insufficient explanation of how their interests will be considered by the GSA when developing a GSP.
- Submitting a GSA formation notification for a basin or portion of a basin where a local agency is already presumed to be the exclusive GSA.
- Deciding to become or form a GSA for an area that is outside the service area boundary of the local agency(s) forming the GSA (without a legal coordination agreement).
- Forming a GSA outside the boundaries of a basin defined in DWR's Bulletin 118.

Questions related to GSA formation can be directed to DWR by contacting Mark Nordberg at Mark.Nordberg@water.ca.gov or calling 916-651-9673. Other information and responses to frequently asked questions are located on DWR's GSA webpage at: http://water.ca.gov/groundwater/sgm/gsa.cfm.

Please e-mail your GSA formation notification and GIS shape files, and send via postal mail a hardcopy, to the following DWR staff:

Mark Nordberg, GSA Project Manager
Sustainable Groundwater Management Program
California Department of Water Resources
901 P Street, Room 213-B
P.O. Box 942836
Sacramento, CA 94236

DWR Region Office Groundwater Contact
http://water.ca.gov/groundwater/gwinfo/contacts.cfm
Bill Ehorn, Northern Region
Bill Brewster, North Central Region
Mike McKenzie, South Central Region
Tim Ross, Southern Region

SELECT SGMA AND GSA RESOURCES

- Sustainable Groundwater Management Website: http://water.ca.gov/groundwater/sgm/index.cfm
- 2014 SGMA Legislation Text with 2015 Legislative Amendments: http://www.water.ca.gov/cagroundwater/docs/2014%20Sustainable%20Groundwater%20Management%20Legislation%20_with%202015%20amends%2011-10-2015_clean-2.pdf
- GSA Frequently Asked Questions: see http://water.ca.gov/groundwater/sgm/gsa.cfm
- GSA Formation Table: http://www.water.ca.gov/groundwater/sgm/gsa_table.cfm
- GSA Interactive Map: http://water.ca.gov/groundwater/sgm/gsa_map.cfm.
- Water Management Planning Tool: http://water.ca.gov/groundwater/boundaries.cfm
- Basin Boundaries Assessment Tool: http://water.ca.gov/groundwater/sgm/bbat.cfm
- GIC Interactive Map (Data): http://water.ca.gov/groundwater/MAP_APP/index.cfm

ATTACHMENT A
PROCESS FOR REVIEWING GSA FORMATION NOTICES AND ADDRESSING OVERLAPPING SERVICE AREA BOUNDARIES

1. DWR receives a GSA formation notification (notification or notice) from a local agency(s).
2. DWR reviews the notice for completeness.
   a. If incomplete, the local agency(s) is contacted and the notice is not posted. DWR informs the local agency(s) of the reason(s) for being determined incomplete – the local agency will be given an opportunity to make the notification complete.
   b. If complete, the notice is posted on DWR's GSA Formation Table within 15 days.
3. Complete GSA notifications are posted with (1) the posting date and (2) a date that indicates the posting-date-plus-90-calendar-days. This is the active 90-day period for that portion of the basin.
   a. The GSA area submitted with the notice is included on DWR's GSA Interactive Map after DWR Region Office staff determines the suitability of the GIS shape files. The area included as a shape file must match the area depicted in the notice.
   b. The 90-day period does not apply to the statuary boundaries of the exclusive local agencies listed in Water Code §10723(c).
4. If no other local agency(s) submits a notification within the 90-day period in all or a portion of the same basin area, the local agency(s) that submitted the notification will become the "exclusive" GSA for the area of the basin as described in the notice.
   a. Status as "exclusive" GSA will be indicated on the GSA Formation Table and the area claimed by the GSA will be distinctly colored on the GSA Interactive Map.
   b. If any other local agency(s) submits a notification for all or a portion of an area managed by an "exclusive" GSA, DWR will determine the notification to be incomplete and will contact that local agency(s).
5. If another local agency(s) submits a complete notification within an active 90-day period, and that notification results in an overlap in all or a portion of the same area of an existing notice, then:
   a. The notification will be included on the GSA Formation Table with a posting date.
   b. The column with the posting-date-plus-90-days date for all affected notifications will be labeled with "overlap" to indicate a GSA formation overlap.
   c. The GIS shape files on the GSA Interactive Map for all affected notifications will be labeled with a color that clearly indicates the extent of the GSA formation overlap.
6. All local agencies that are affected by overlapping notifications will remain in overlap status until the conditions stated in Water Code §10723.8(c) are met.
   a. "Exclusive" designation of a GSA will not proceed unless conflicting notifications are withdrawn or modified to eliminate any overlap in the areas proposed to be managed.
7. If agreement is reached involving a material change from the information in the posted notice, a new notification shall be submitted in accordance with Water Code §10723.8(a) and the new notification will be reviewed and posted by DWR as described in this process.
   a. A material change includes, but is not limited to: a significant GSA boundary revision; a change of local agencies forming the GSA; or a consolidation of local agencies or proposed GSAs through a JPA or MOA or other legal agreement.
8. If overlapping GSA notifications exist in a basin after June 30, 2017, then that basin is subject to probationary status by the SWRCB per Water Code §10735.2(a). In addition, the groundwater extraction reporting requirements in Water Code §5200 *et seq*. apply to the portions of that basin where local agencies have not been determined "exclusive" GSAs.