

SAN JUAN WATER DISTRICT

Board of Director's Meeting Minutes

March 23, 2016 – 7:00 p.m.

BOARD OF DIRECTORS

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

SAN JUAN WATER DISTRICT MANAGEMENT AND STAFF

Keith Durkin	Assistant General Manager
Teri Grant	Board Secretary/Administrative Assistant
Joshua Horowitz	Legal Counsel

OTHER ATTENDEES

Lindsay Pangburn	Crocker & Crocker
Sandy Harris	Customer
Lynn Scherrer	Customer
Rick Williams	Customer
Andy Fecko	Placer County Water Agency
Mitch Dion	Self
Tony Barela	SJWD
Adam Larsen	SJWD
George Machado	SJWD
Jason Mayorga	SJWD
Neil Schild	SSWD

AGENDA ITEMS

- I. Public Forum**
- II. Consent Calendar**
- III. Presentations**
- IV. Committee Reports**
- V. Information and Action Items**
- VI. Upcoming Events**
- VII. Adjourn**

President Tobin called the meeting to order at 7:00 p.m.

I. PUBLIC FORUM

There was not public comment.

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, March 9, 2016

Director Walters requested that the item be removed from the Consent Calendar for discussion. The Board Secretary reported that Director Walters requested that there be two edits to the minutes, one on page 4, 3rd full paragraph, and the other on page 5 under *Conflict of Interest Issues*. She informed the Board that Kristi More provided the revisions to page 4. The revisions were provided to the Board as a handout.

Director Costa moved to approve the revised March 9, 2016, Board of Directors meeting minutes. Director Walters seconded the motion and it carried with 4 Aye votes (Director Rich absent).

III. PRESENTATIONS

1. American River Flow Management Standard & Development of a Groundwater Bank – Andy Fecko

Mr. Durkin introduced Mr. Andy Fecko, Placer County Water Agency Director of Research Development. Mr. Fecko conducted a presentation on *Lower American River Modified Flow Management Standard*. A copy of the presentation will be attached to the meeting minutes.

Mr. Fecko provided a history of forming the Water Forum in the '90s to balance water supply needs with ecosystem needs for the Lower American River (LAR). He explained that there were projections for water use to double by 2030 and there were declining groundwater levels and regional contamination plumes in the basin. In addition, fish species in the LAR were drastically declining to the point of placing them on the endangered species list.

Mr. Fecko informed the Board that since its formation in 2000, the Water Forum has increased diversions, developed Dry Year actions for Water Forum participants, done an excellent job in Groundwater Management, Water Conservation efforts, and Habitat Management, and formed the Water Forum Successor Effort. He explained that they have been working to improve the Flow Standard for the LAR and developed a modified Flow Management Standard (FMS).

The modified FMS added the End-of-December Storage Target and made some minor changes to the minimum flows (releases). Mr. Fecko explained that when the water level at Folsom Reservoir is kept higher then colder water is available for spawning salmon. He explained how the modified FMS was

modeled using 1975-1977 data Which indicate there would have been almost 50,000 AF of additional storage in Folsom at the end of 1977. In addition, he showed how the water temperatures are affected in Folsom based on the amount of storage in the reservoir.

Mr. Fecko informed the Board that the modified FMS was designed to create no impacts to the Sacramento River. He explained that they are engaged with regulatory agencies to coordinate with them and there may be opportunities to have the modified FMS incorporated into the regulatory process, including the water quality control update.

In response to Director Miller's question, Mr. Fecko informed the Board that data is available that shows the water temperature required to maintain the steelhead and salmon prior to Folsom Dam being built.

Mr. Fecko discussed groundwater banking efforts. He explained that the success in raising groundwater levels in the region can be attributed to a several things, with one item being PCWA supplying surface water to Northern Sacramento County to help with the groundwater overdraft problem. He informed the Board that there is significant unused groundwater capacity in the basin. Therefore, he considers it an opportunity to store more surface water in the ground using the contracts, water rights and entitlements in the region.

Mr. Fecko discussed sharing surface water more broadly with agencies that have groundwater, figuring out a financial mechanism that makes it attractive or neutral to shift from groundwater to surface water, and creating a business plan for sharing groundwater banking and keeping it sustainable. He explained that agencies use groundwater in dry years and bank surface water in wet years.

In response to Ms. Sandy Harris' question, Mr. Fecko explained that the proposed twin tunnels allow Southern California export interests to take water more often. He explained that something needs to be done to help with conveyance south of the Delta, whether it is moving the intake or figuring out a way to reduce the salt water issue. Mr. Durkin explained that the current releases at Folsom are a good example of how the tunnels could be used to move water past the Delta. Mr. Durkin explained that the water released had to flow out to the ocean since the Delta smelt were in the vicinity of the pumps and therefore the pumping had to be kept to a minimum to comply with fishery habitat issues. Mr. Durkin added that whatever the fix is for the Delta, this region will want operational assurances that there will be no re-directed impacts to the region.

In response to Director Miller's question regarding fish ladders, Mr. Fecko explained that PCWA built a project upstream on the middle fork of the American River and PG&E and SMUD are working on projects for the north fork and south fork of the American River. Although all three forks of the American River have a development on them, which brings the fish higher, they are still stuck at a fairly low elevation.

2. Field Operations Presentation – George Machado

Mr. Durkin reminded the Board that each department will be conducting presentations to the Board. He informed the Board that the Retail Field Services department consists of 13 employees and they maintain everything within the approximate 20 square mile retail service area. Their responsibilities include maintaining over 200 miles of pipelines & 10,800 service connections, 9 Pump Stations, 2 Storage Tanks & 1 Reservoir (6MG total), backflow preventers, valves, hydrants, meters, PSV/PRVs, appurtenances, fleet, buildings, and grounds. In addition, there are numerous safety and regulatory compliance requirements to adhere to and report on.

Mr. Durkin introduced Mr. George Machado, SJWD Field Services Manager. Mr. Machado conducted a presentation on the Retail Field Operations. A copy of the presentation will be attached to the meeting minutes. He reviewed several projects that Retail Field Services has been involved with over the last few years, such as the Auburn Folsom Road Widening Project, Al Castellanos Pump Station Project, Upper Granite Bay Pump Station Project, Mooney Tank Inspection, Rose Springs Pipeline Removal project, and Control Valve Stations in both Citrus Heights and Fair Oaks.

Mr. Machado reviewed some of the projects that the Retail Field Services department is working on, such as the Sample Stations Project, the Cross Connection Control Program, Backflow Device Testing, and repairing leaks throughout the retail service area (approximately 94 per year). In addition, the Retail Field Services department will be working on the ARC Flash Project, the Los Lagos Tank Recoating, maintenance on the CO-OP pipeline, Pressure Reducing Station on ARC Drive, Main Ave Mainline Replacement, Oak Ave Mainline Replacement, and Dead End Flushing.

Mr. Machado informed the Board that he is reaching his 22nd year at the District in July. He commented that there have been a lot of changes over the years, and when he started there were approximately 20 employees in the department. He commented that there were about 4,000 service connections at that time, no COOP pipeline, no backflow prevention program, and the field crew did not work on the pump stations. In addition, there were about half the regulatory requirements and safety requirements to comply with. Mr. Durkin pointed out that there are now less staff in the department with about twice to three times the workload to complete.

IV. NEW BUSINESS

1. Conservation Requirements

Mr. Durkin referenced the staff report provided to the Board that provided background information, the current status of the Governor's Drought Emergency Executive Orders, and the State Water Resources Control Board (State Board) mandatory conservation requirements. He explained that the State Board reduced the mandatory 36% conservation requirement to 33% for the District in February while continuing mandatory conservation through

October 2016 per the Governor's drought orders. The State Board will be holding a workshop on April 20th to get public input on the conservation requirements and will consider reducing or eliminating the conservation requirements at their second board meeting in May.

Mr. Durkin informed the Board that the Bureau's projections for the end of May for both 50% and 90% exceedance will place Folsom Reservoir above 950,000 acre feet, basically a full reservoir. In addition, the Bureau is releasing water at this time for flood protection purposes. Similar conditions exist at Lake Shasta and Lake Oroville. Based on water supply conditions, staff is anticipating that the State Board will reduce or eliminate the conservation requirements for this region. He commented that, in the view of our customers, maintaining a Stage 4 water crisis does not seem appropriate for our service area.

Mr. Durkin informed the Board that the Water Supply & Reliability Committee and the Public Information Committee have discussed reducing the District's current Stage 4 conservation target. He suggested that the Board discuss reducing the Stage 4 conservation requirement to a Stage 2 with a voluntary 10% conservation target and removing the drought surcharge. He commented that the Board could elect to make no changes to the current stage, or reduce to a Stage 3 or Stage 2 with or without modifications. In addition, if an action is taken by the Board, Mr. Durkin requested that the Board discuss customer outreach and public communication regarding the action.

President Tobin discussed the State Board operating under emergency orders while the Bureau is releasing water out of Folsom for flood control purposes. She commented that PCWA and others sent letters to the State Board letting them know that they consider themselves no longer in a drought. In addition, she commented that Felicia Marcus, Chair of the State Board, requested the District's proposal for reducing or eliminating the conservation restrictions for certain regions.

President Tobin commented that a Stage 2 could be enacted until the mandate is lifted which would show that the District is utilizing conservation in a responsible way. She commented that the public should be informed of the possibility of the State Board not reducing or eliminating the conservation restrictions in May and that customers need to be aware that the District might have to return to a higher level conservation stage should that happen. In addition, she commented that customers should consider this should they decide to implement any landscaping plans.

Director Costa commented that he would like to remove the drought surcharge.

Director Miller inquired if there would be any legal ramifications if the District reduced the conservation stage. Mr. Horowitz commented that there are potential risks as there are a state mandate and regulations in place. Mr. Horowitz informed the Board that there is risk for an enforcement action which could be challenged by the District. In addition, Mr. Horowitz commented that

the Board could remove the drought surcharge and reduce to something less than a Stage 4, being mindful of the State Board's requirements. Mr. Durkin explained the differences between the State Board's main requirements versus the Stage 2 requirements.

Director Walters supports going to a Stage 2 as there may be some benefit in moving in that direction; however, he understands that the Board may be addressing the State Board on the issues in the future.

In response to Director Miller's question, Mr. Horowitz responded that the District would be the first to take this type of action. However, the County of Del Norte has adopted a resolution, similar to PCWA. Mr. Horowitz reported that Placer County, Sacramento County, and Humboldt County are considering adopting similar resolutions along with other Northern California counties and water agencies. Mr. Horowitz urged the Board to consider the policy implications as a whole and consider waiting until the State Board reconsiders the restrictions in May.

President Tobin commented that the District's conservation measures have not raised the level of the lake especially with all the water that has been released to flow out to the ocean without compensation to the District. She commented that the District needs to push back for the customer's benefit. In addition, she suggested that the District go to a Stage 2, listing the State Board's restrictions with a voluntary conservation reduction, and remove the drought surcharge.

Director Miller moved to remove the drought surcharge. Director Walters seconded the motion and it carried with 4 Aye votes (Director Rich absent).

Mr. Rick Williams addressed the Board prior to the vote and stated that the drought surcharge and the conservation stages should be separate, as the drought surcharge was not a state mandate.

The Board discussed reducing the conservation stage to a Stage 2. In response to President Tobin, Mr. Durkin stated that the four State Board items that are not addressed in the District's Stage 2 other than the mandatory conservation target are:

1. Prohibiting washing streets, parking lots, driveways, sidewalks, or buildings, except as necessary for health or sanitary purposes.
2. Prohibiting watering during or within 48 hours after measurable rainfall.
3. Requiring restaurants to serve water only on request.
4. Requiring no more than 2-day per week watering.

Director Miller commented that adding all the exceptions into the conservation stage will only make it confusing to customers. He suggested going to a voluntary 10% conservation requirement knowing that there are risks.

Director Costa moved to declare a Conservation Stage 2 with voluntary 10% conservation reduction. Director Miller seconded the motion.

Director Miller commented that the District needs to step out as an agency.

Ms. Lynn Scherrer inquired how many customers voluntarily conserved. Mr. Durkin explained that the District had conservation requirements in place and staff went out in the service area to educate customers on how to conserve but he did not have a percentage of how many conserved versus those who did not. Ms. Harris commented that there are a lot of people upset regarding the water being released from Folsom while they are being told to conserve. In addition, Ms. Harris commented that the District should have been allowed to use the water and pay for it rather than letting it go to waste.

Mr. Williams commented that the Board should stay with the current conservation stage and meet the state mandate until the State Board reviews in May. In addition, he commented that people are more upset about the drought surcharge than with conserving water. Mr. Durkin commented that the District has received minimal comments from customers regarding the drought surcharge, since customers are conserving water and their water bills are less than before the drought surcharge was implemented. Mr. Durkin pointed out that the drought surcharge equates to eight cents per unit (748 gallons) billed, which is a small amount of revenue recovery for the District but does not cover all revenue losses. In addition, Mr. Durkin commented that while the State Board did not mandate the District to implement a drought surcharge, they did put in the regulations that agencies should use pricing signals to help promote conservation.

The motion carried with 4 Aye votes (Director Rich absent).

Mr. Durkin provided the Board with a draft press release and eblast message that the Public Information Committee requested be ready for release should the Board take action regarding the conservation stage and drought surcharge. Mr. Durkin recommended that the Board only provide the eblast message to customers in light of the discussions of the Board.

The Board reviewed and discussed the handouts. President Tobin commented that removal of the drought surcharge would go into effect April 1st to coincide with customer billings. Director Miller suggested that the message to customers include information regarding being cautious on installing new landscaping prior to the State Board's review of water conditions in May. The Board agreed that the message for both communications was consistent with the Board decision.

President Tobin moved to send out both the press release and the customer communication. Director Walters seconded the motion and it carried with 4 Aye votes (Director Rich absent).

Director Costa informed the Board that he had to leave at 9:05 pm.

ACTION AND INFORMATIONAL ITEMS

V. COMMITTEE REPORTS

1. Legal Affairs Committee (3/14/16)

Director Walters reported that the committee met on March 14, 2016, and discussed the following:

- Review BKS Legal Services Agreement (W & R)
- Groundwater Substitution Transfer (W)
- Conserved Water Transfer (W)
 - Bill Language to Clarify Transferability of Conserved Water
- FO-40 Agreement on Payment Schedule (W)
- Groundwater Reimbursement Discussions (W)
- Other Legal Affairs Matters
- Public Comment

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

Review BKS Legal Services Agreement (W & R)

Director Walters reported that the committee reviewed the existing legal services agreement between Barkiewicz, Kronick & Shanahan (BKS) and the District. The committee will review the updated agreement at the next meeting.

For information only; no action requested

Groundwater Substitution Transfer (W)

Director Walters reported that Citrus Heights Water District (CHWD) and Fair Oaks Water District (FOWD) hired Greg Young to work on the groundwater substitution transfer. Mr. Young will be preparing the binder of information that is required to be submitted for the transfer.

For information only; no action requested

Conserved Water Transfer (W)

Director Walters reported that a white paper is being worked on and the proposal is being developed to submit to the State Water Resources Control Board regarding conserved water transfers.

For information only; no action requested

- **Bill Language to Clarify Transferability of Conserved Water**

Director Walters reported that Mr. Horowitz provided the committee with a memorandum containing a proposal to amend Water Code Section 1011. The proposed amendments to Section 1011 are intended to make clear that water conserved by SJWD and any other holder of an appropriative water right under a state mandate may transfer that water in accordance with the authority provided in Section 1011. In addition,

Director Walters mentioned that Mr. Paul Barkiewicz will be discussing the proposed amendments with the ACWA water transfer work group.

For information only; no action requested

FO-40 Agreement on Payment Schedule (W)

Director Walters reported that the committee discussed the FO-40 agreement on the payment schedule. He informed the Board that a draft agreement was provided to the committee. Mr. Durkin reported that the agreement was sent to FOWD with a notice stating that the agreement is valid for 60 days.

For information only; no action requested

Groundwater Reimbursement Discussions (W)

Mr. Durkin reported that there was a meeting with OVWC and City of Folsom, who agreed that the 2014 water costs for groundwater should be included in the wholesale water rates. However, they voiced concern regarding the 2009-2013 charges and the fact that the charges are higher for stand by charges than for when water was actually pumped in 2014. The agencies would like to review the background data for the charges. Mr. Durkin informed the Board that the Water Supply & Reliability Committee will be reviewing the issue and working towards resolution. Mr. Durkin informed the Board that the 2014 water costs will be included in the financial plans that Bob Reed is currently updating to be included in the water rates and charges.

For information only; no action requested

VI. INFORMATION AND ACTION ITEMS

1. ASSISTANT GENERAL MANAGER'S REPORT

1.1 Strategic Planning Workshop

Mr. Durkin informed the Board that the Strategic Planning Workshop is scheduled for April 26th at 1:30pm. In addition, the facilitator, Pam Hurt Hobday, will be meeting with each Director individually on Friday, April 1st, the schedule was included in the Board packet. He also informed the Board that the facilitator's resume was included in the Board packet.

For information only; no action requested

1.2 USBR Warren Act Contracts

Mr. Durkin informed the Board that Reclamation had proposed to start charging a repair/replacement charge on water that is moved through their facilities that is non-project water, such as the water we contract for with PCWA. The non-project water is covered under Warren Act contracts. He explained that the District along with a group of other agencies wrote a letter to Reclamation objecting to the way Reclamation was enacting the charges. A copy of the final letter will be attached to the meeting minutes.

Mr. Durkin explained that Reclamation was going to use proposed Directives & Standards to impose the new charges for use of excess capacity in Reclamation facilities for non-project water deliveries. He explained that there are contracts in place which state Reclamation's rate setting policy and the procedures and processes to follow. In addition, the letter questioned how Reclamation arrived at the new rates which could potentially triple the cost of the District's PCWA water supplies.

Mr. Durkin reported that the letter to Reclamation was sent on March 18, 2016 and a response from Reclamation was received late in the evening on March 18th. The response email indicated that Reclamation would be putting the Directives & Standards on hold until there is sufficient time to focus on the issues associated with the excess capacity charges. Mr. Durkin estimates it may be another year or more before Reclamation re-addresses this issue. In response to Director Walters' comments, Mr. Durkin suggested that staff discuss this with The Ferguson Group to determine the best course of action.

For information, no action requested

1.3 Report Back Items

1.3.1 Conserved Water and Groundwater Substitution Transfer Status Update

Mr. Durkin reported that Director Walters covered the Conserved Water Transfer update and there was a follow-up meeting with Reclamation last week regarding the Groundwater Substitution Transfer.

1.4 Miscellaneous District Issues and Correspondence

Mr. Durkin informed the Board that the Bureau's projections for both a 90% and 50% exceedance show Folsom Reservoir filling by the end of May at over 950,000 acre feet.

Mr. Durkin informed the Board that the District received a call from a customer yesterday. The customer was upset that the field crew turned off the water at the wrong address and the customer was without water for 30 minutes. He explained that the customer wanted the District to waive a bill or provide some other financial payment. The customer was informed that this would be a gift of public funds and the District could not do that. The Board discussed the issue and agreed that an apology was appropriate but the District should not waive a bill for the service outage. Mr. Durkin will contact the customer and apologize again along with informing them that there can be no financial compensation for the inadvertent shut off. In addition, he will inform them that if there was some type of damage that occurred as a result of the outage then they could file a claim with the District.

2. LEGAL COUNSEL'S REPORT

2.1 Legal Matters

Mr. Horowitz reported that the available capacity to transfer water this year is getting more and more constrained and it could be extremely difficult to transfer water this year. He explained that is due to the regulatory constraints and the increase in water allocations due to the full reservoirs. He informed the Board that the regulatory agencies are being requested to extend the transfer window further into the fall. Mr. Durkin commented that the window is short since there is only a certain period of time in the Delta when the Delta Smelt are not near the pumps. Mr. Durkin explained that, as Mr. Fecko indicated, the tunnels would allow for more transfers as it would bypass the Delta and not endanger the habitat. Mr. Horowitz commented that the right protections for this region will need to be in place prior to the tunnels being built.

Director Miller commented that review of the Compensation Study policy's first paragraph was referred to Legal Counsel at the last workshop. Mr. Horowitz had not received this referral yet. The Board Secretary will send Mr. Horowitz the draft meeting minutes from the workshop.

3. DIRECTORS' REPORTS

3.1. SGA

No report.

3.2. RWA

President Tobin reported that RWA Executive Committee met March 23, 2016. She provided a written report which will be attached to the meeting minutes. The RWA Executive Committee discussed Water Efficiency, the Regional Reliability Plan Update, and a Legislative Update. The written report included RWA positions on legislative bills.

3.3. ACWA

5.3.1 Local/Federal Government/Region 4 - Pam Tobin

No report.

5.3.2 JPIA - Bob Walters

No report.

5.3.3 Energy Committee - Ted Costa

No report.

3.4. CVP Water Users Association

No report.

3.5. Other Reports and Comments

President Tobin reported that she will not be attending the 2016 Cap-to-Cap event.

VII. UPCOMING EVENTS

1. 2016 Cap-to-Cap – Metro Chamber
April 9-13, 2016
Washington DC
2. 2016 ACWA Spring Conference
May 3-6, 2016
Monterey, CA

VIII. ADJOURN

The meeting was adjourned at 9:52 p.m.

PAMELA TOBIN, President
Board of Directors
San Juan Water District

ATTEST:

TERI GRANT, Board Secretary



Lower American River --- Modified Flow Management Standard (Modified FMS)



Tom Gohring
Sacramento Water Forum
March 2016



Sacramento Region

Coequal Goals:

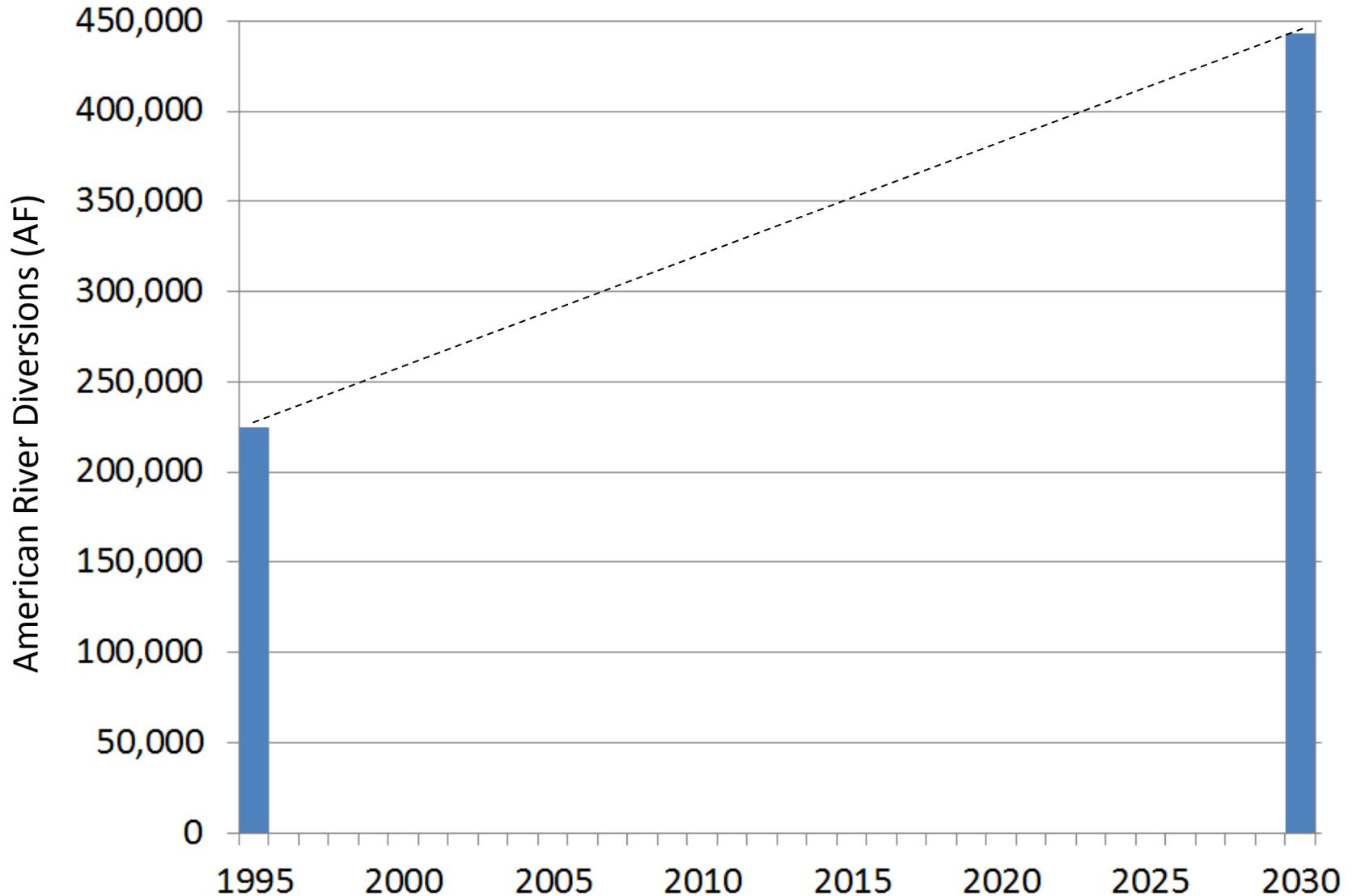
- Water for sustainable economic growth
- Water for healthy ecosystem

“A reliable water supply runs through a healthy fishery.”

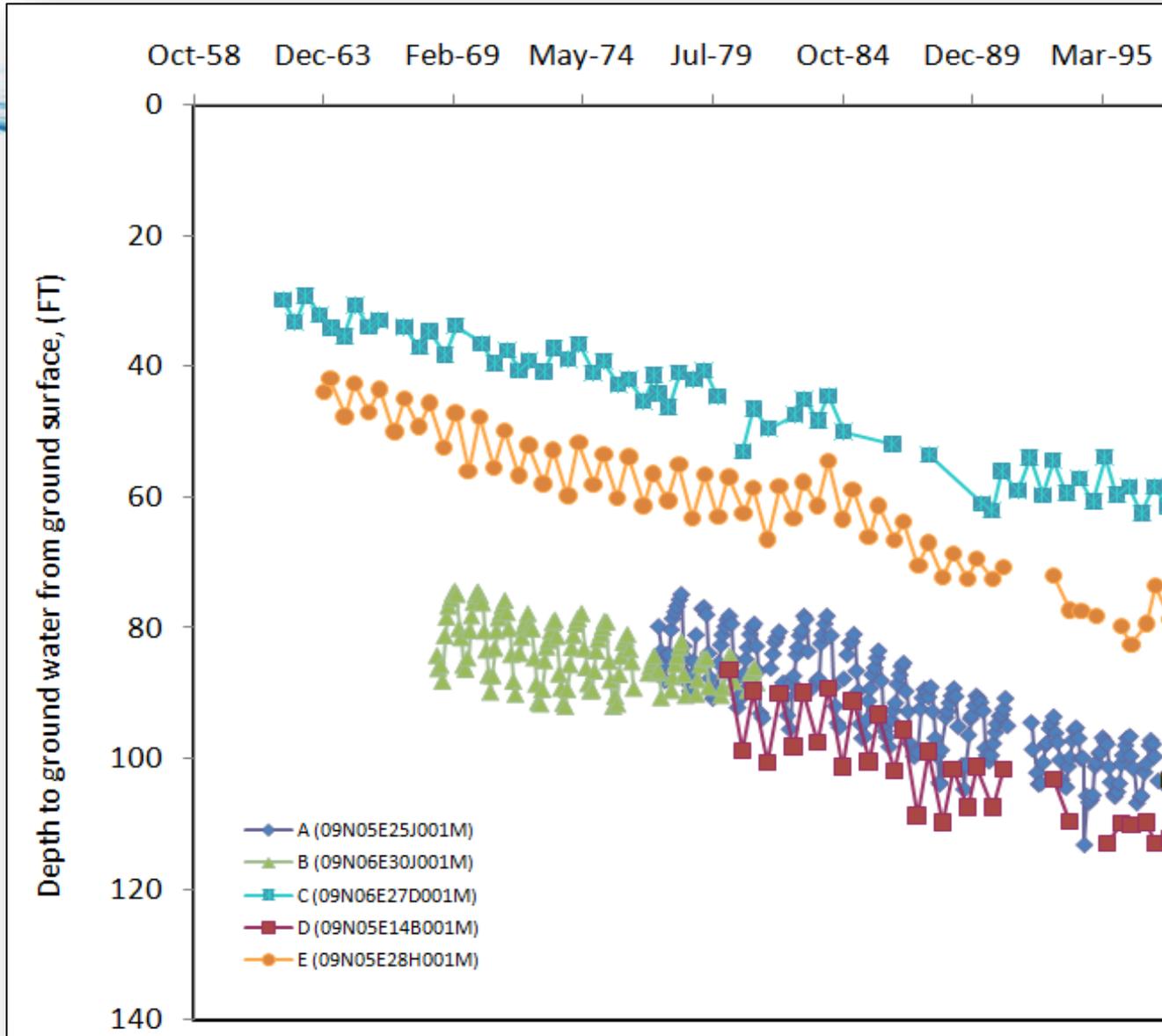




Future Surface Water Demand (Projected in 1998)



Declining Groundwater Levels



Regional Contamination Plumes

(Based on 2007 Data)

Legend

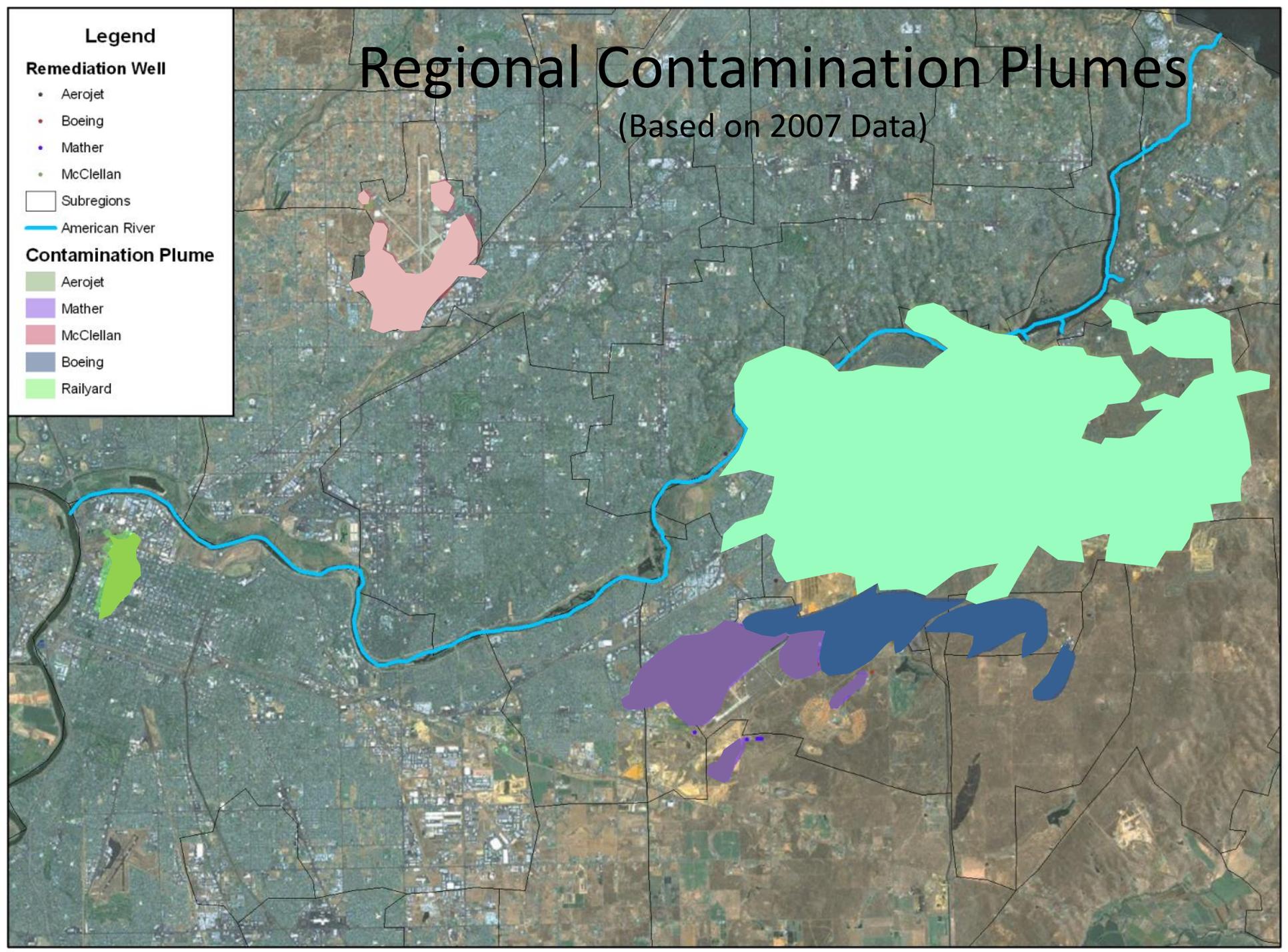
Remediation Well

- Aerojet
- Boeing
- Mather
- McClellan

□ Subregions

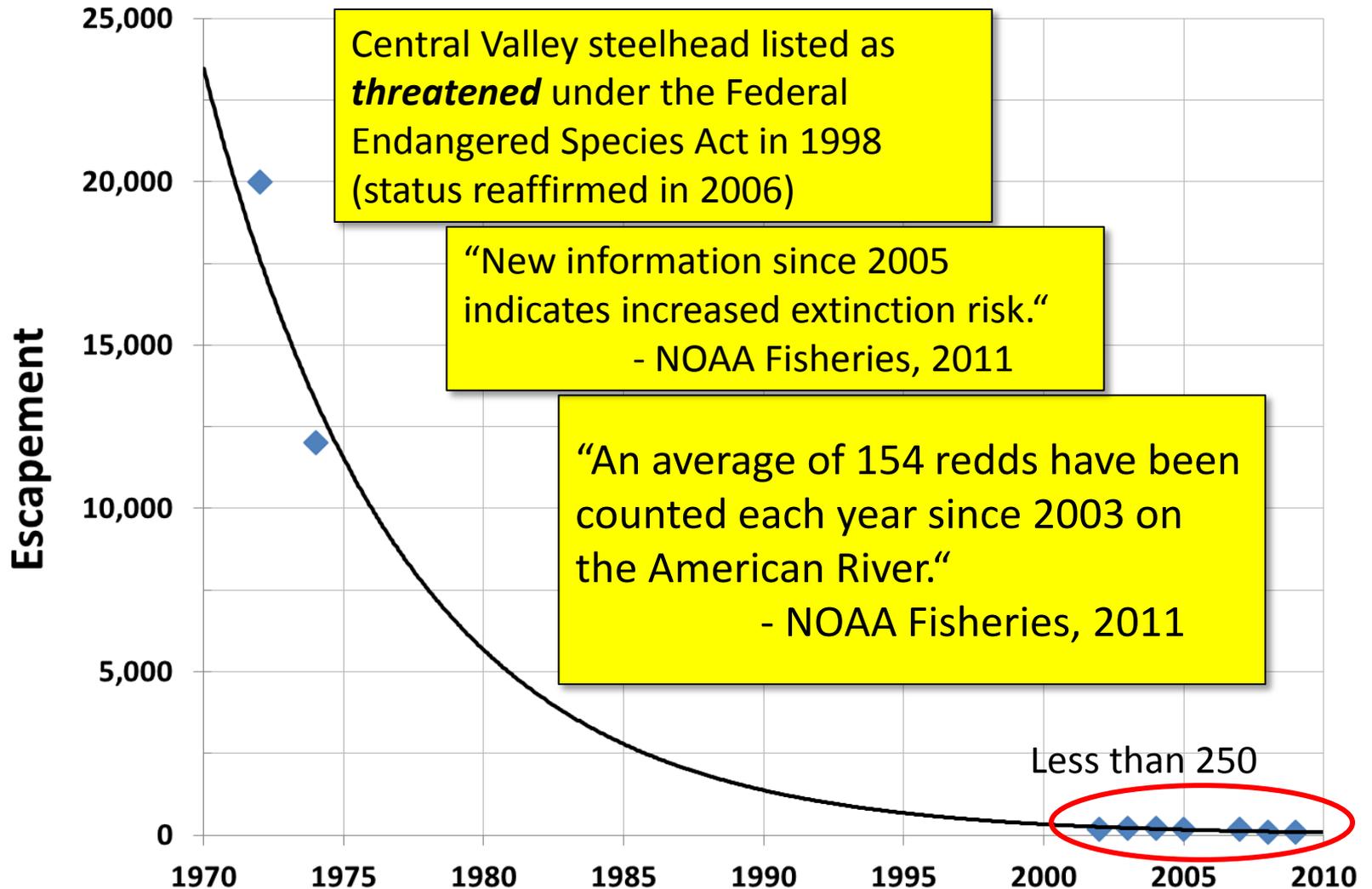
Contamination Plume

- Aerojet
- Mather
- McClellan
- Boeing
- Railyard

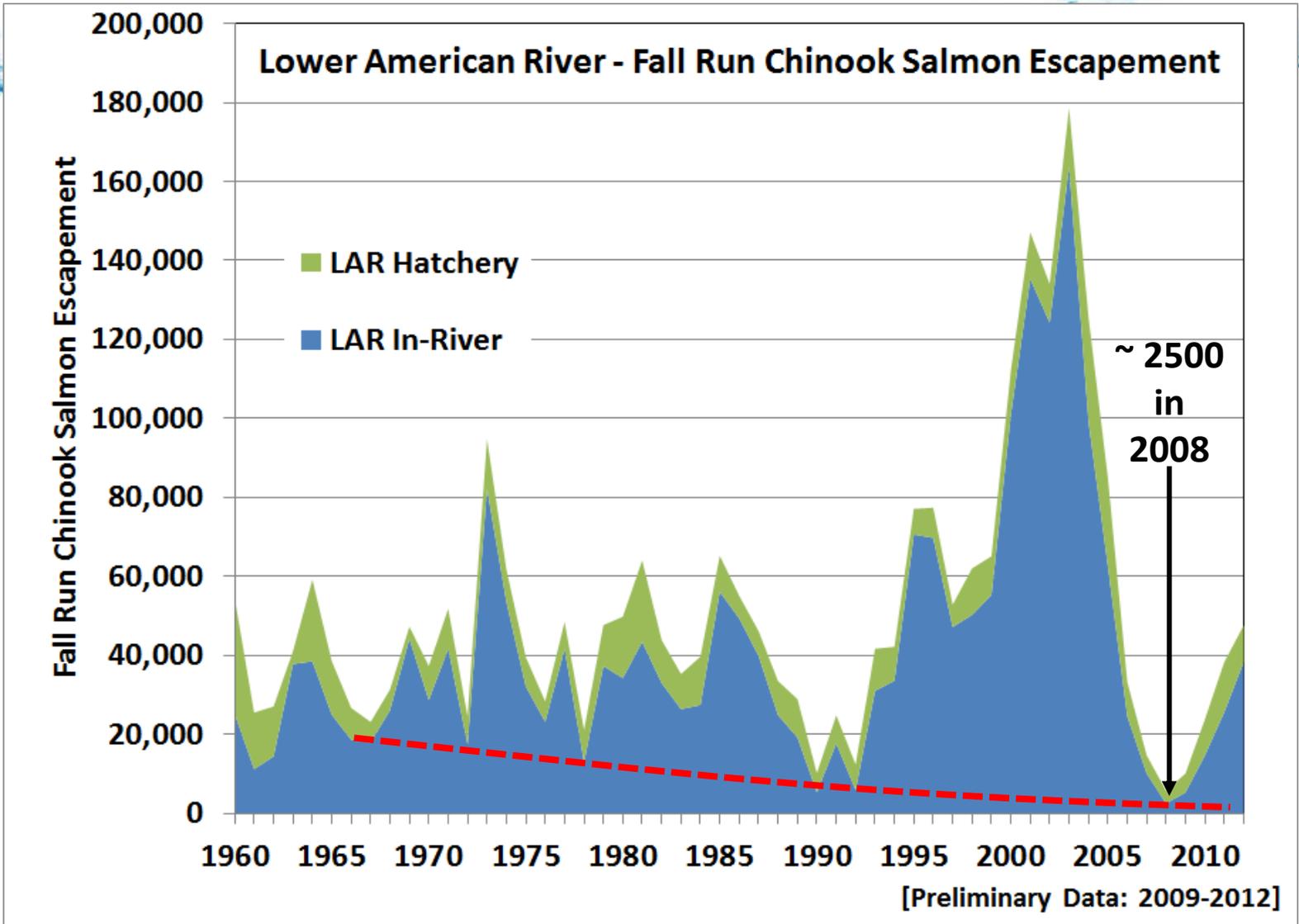


Background: Steelhead

American River Steelhead Escapement



Background: Fall-run Chinook





The Water Forum Implementing Since 2000

Reliable Water Supply to 2030

Protect the lower American River

✓ **Increased Diversions**

✓ **Dry Year Actions**

✓ **Groundwater Management**

✓ **Water Conservation**

✓ **Habitat Management**

● **Improved Flow Standard**

✓ **Water Forum Successor Effort**

Since signing the Agreement:



✓ Banked groundwater

✓ Improved river habitat

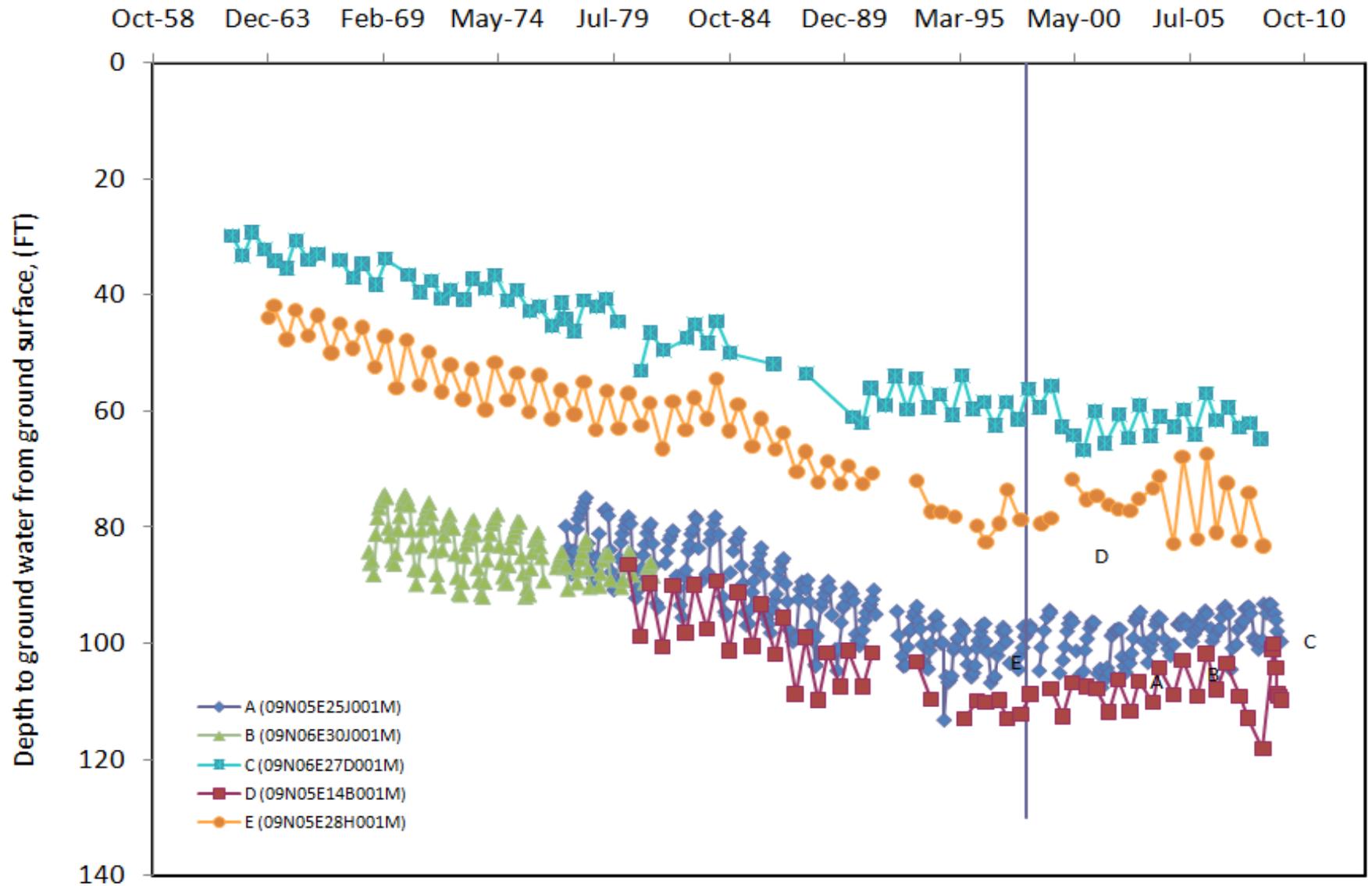
✓ Invested in water conservation

✓ Optimized upstream reservoirs thru relicensing

✓ Implemented dry year actions

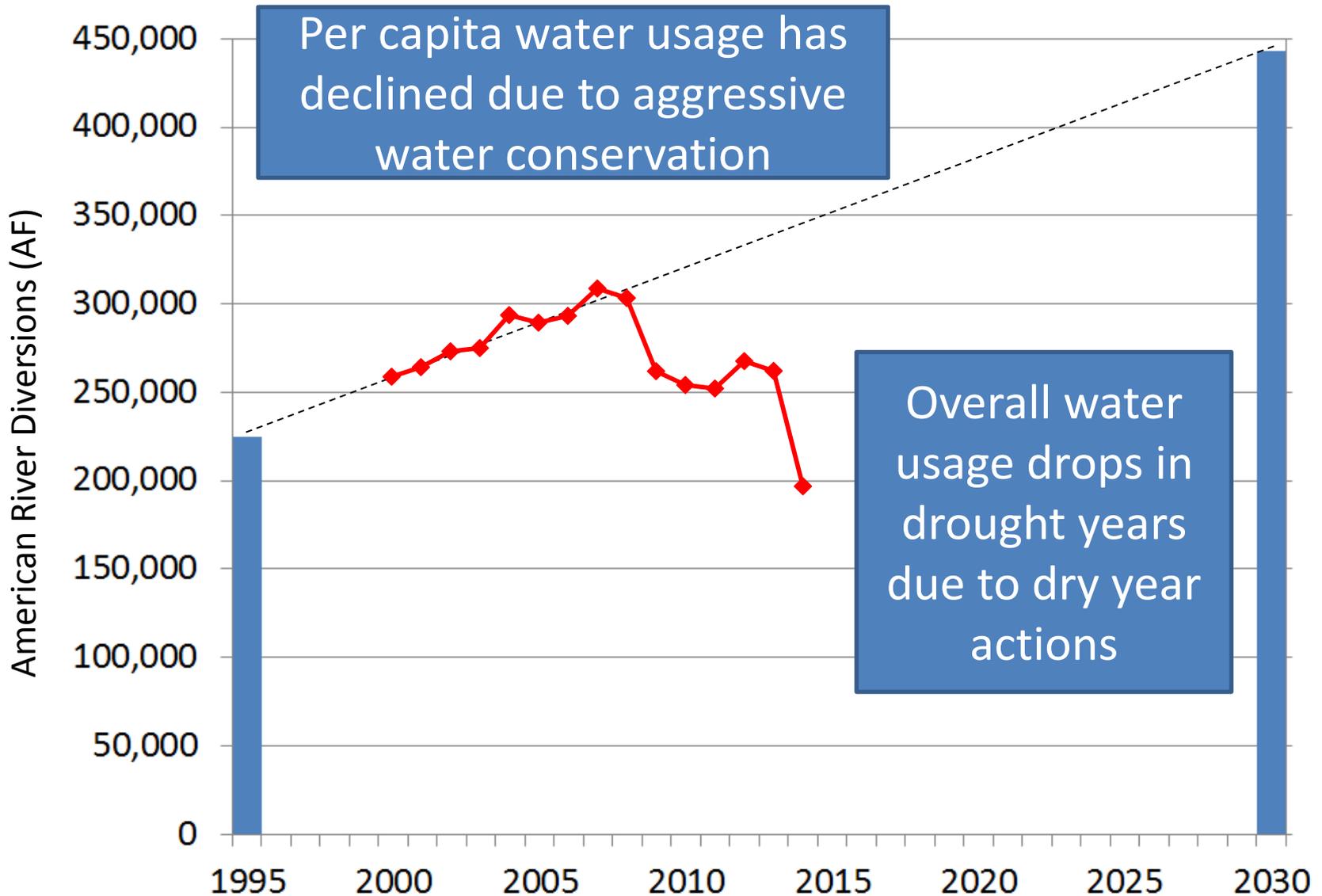


Stopped Declining Groundwater Levels





Water Demand





The Water Forum Implementing Since 2000

Reliable Water Supply to 2030

Protect the lower American River

✓ **Increased Diversions**

✓ **Dry Year Actions**

✓ **Groundwater Management**

✓ **Water Conservation**

✓ **Habitat Management**

● **Improved Flow Standard**

✓ **Water Forum Successor Effort**



History: Lower Am. River Flow Management Standard (FMS)

- 2000 FMS: part of Water Forum Agreement

- 2006 Agreement reached: “2006 FMS”

BIG
Improvement!

Flows AND Water Temperature

USBR NMFS USFWS Cal DFG Water Forum

Reclamation began implementing it

- 2009 NMFS BiOp ordered 2006 FMS and refinement
- 2011 of temperature management approach
- 2015 Water Forum developed “Modified FMS”



Why a “Modified FMS” ?

2006 FMS was big improvement, but...

- NMFS BiOp: temperature still not addressed
- Desire to improve fish conditions
- Must avoid draining the reservoir
 - Bad for river temperature and water supply
 - Objective: no dead pool in 1976-77 drought (2030-level demands)
- Threat of State Water Board process looming



Objectives: Modified FMS

- Better protections for Lower American River
- Avoid Folsom “dead pool”
 - In 1977-level drought
 - With 2030 demands
- No harm to Sacramento River fishery – we live in an integrated system!

Added:

End-of-December
Storage Target
(Folsom Res.)

How does it work?

1. Minimum Flows (releases)

Minor Update

2. End-of-Dec. Storage Target

New

3. Temperature Management

Same

4. American River Group

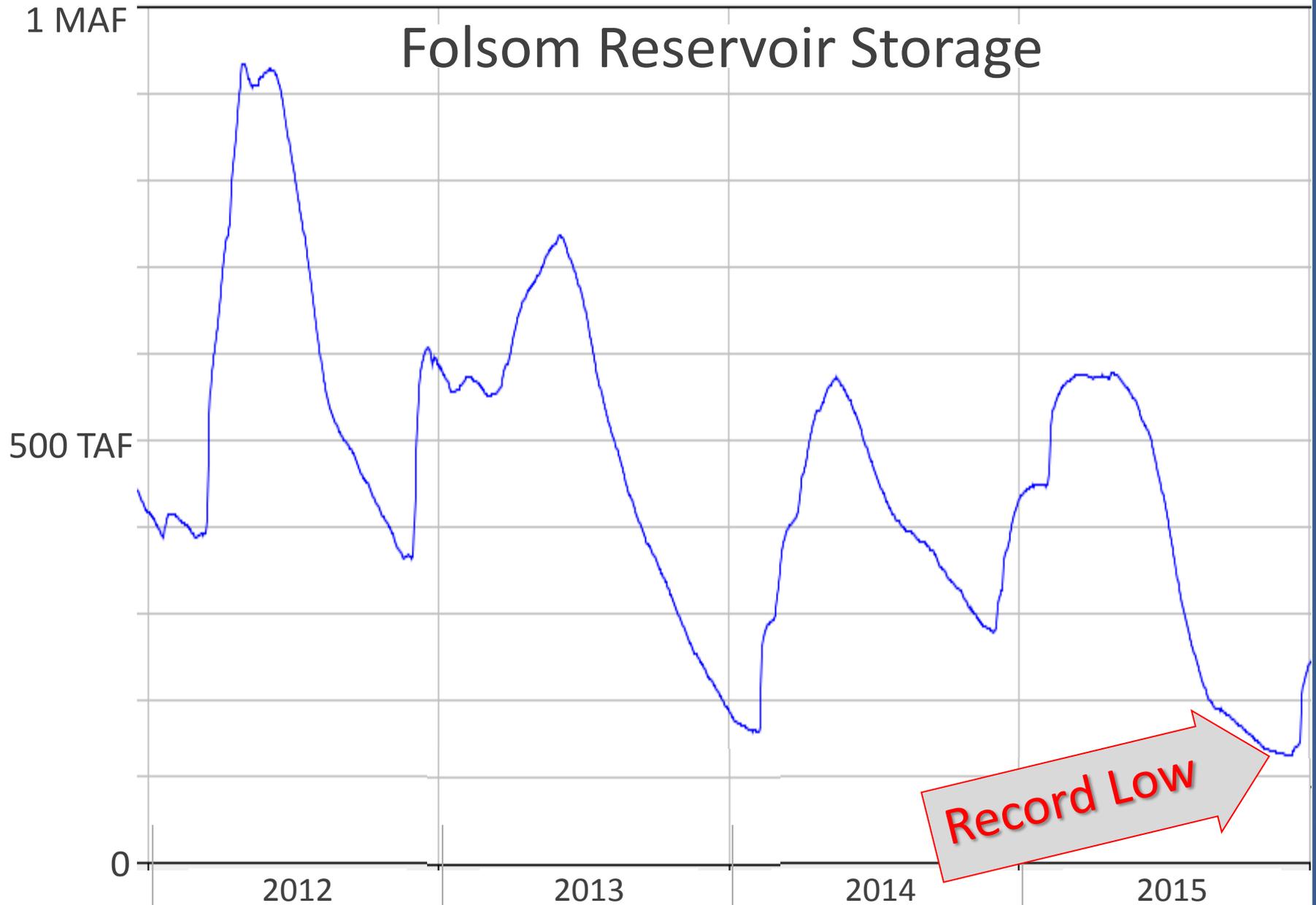
Same

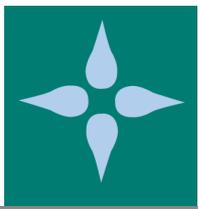
5. Monitoring and Evaluation

Same

Recent Drought: Eye-Opener

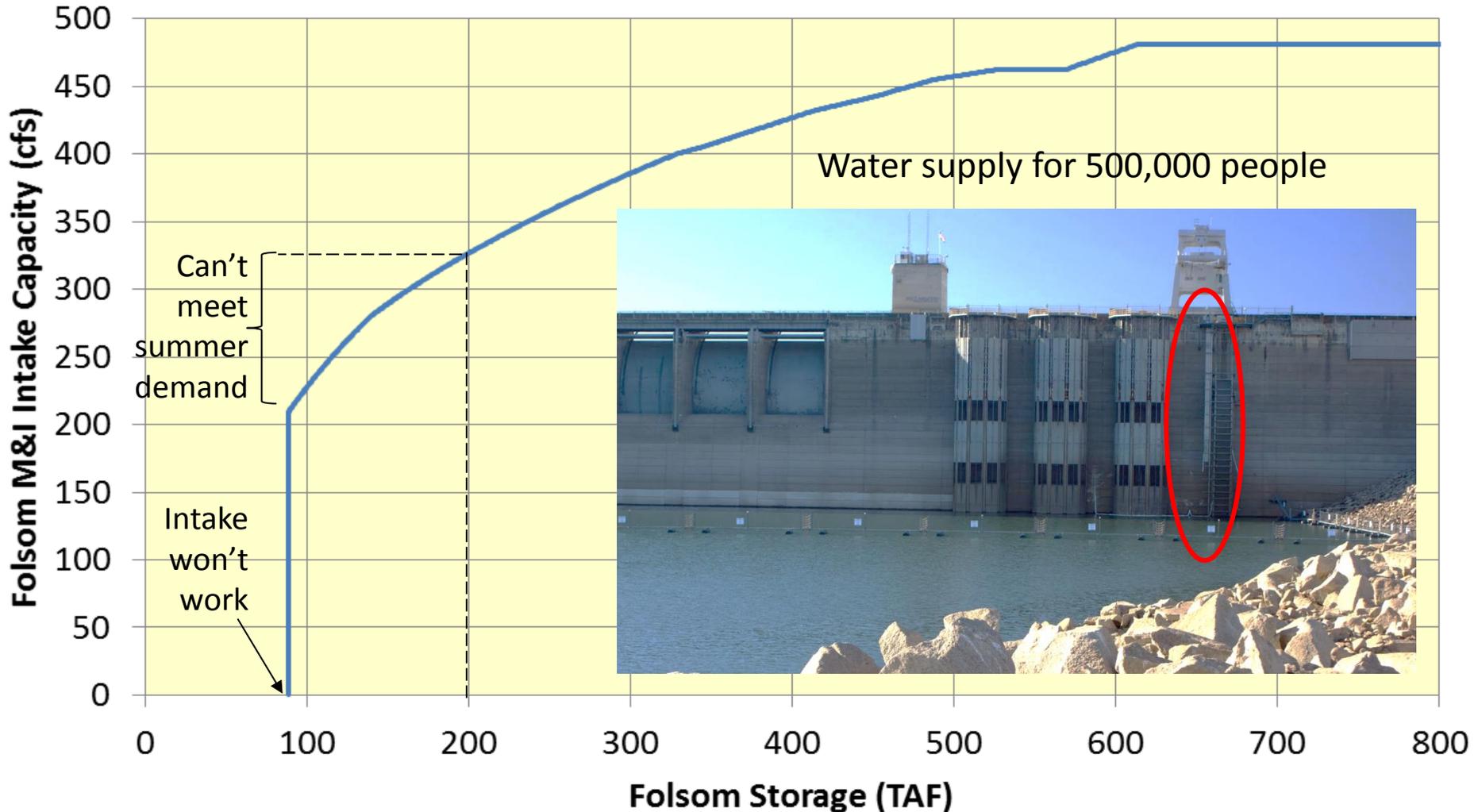
Folsom Reservoir Storage





Why Avoid Low Storage?

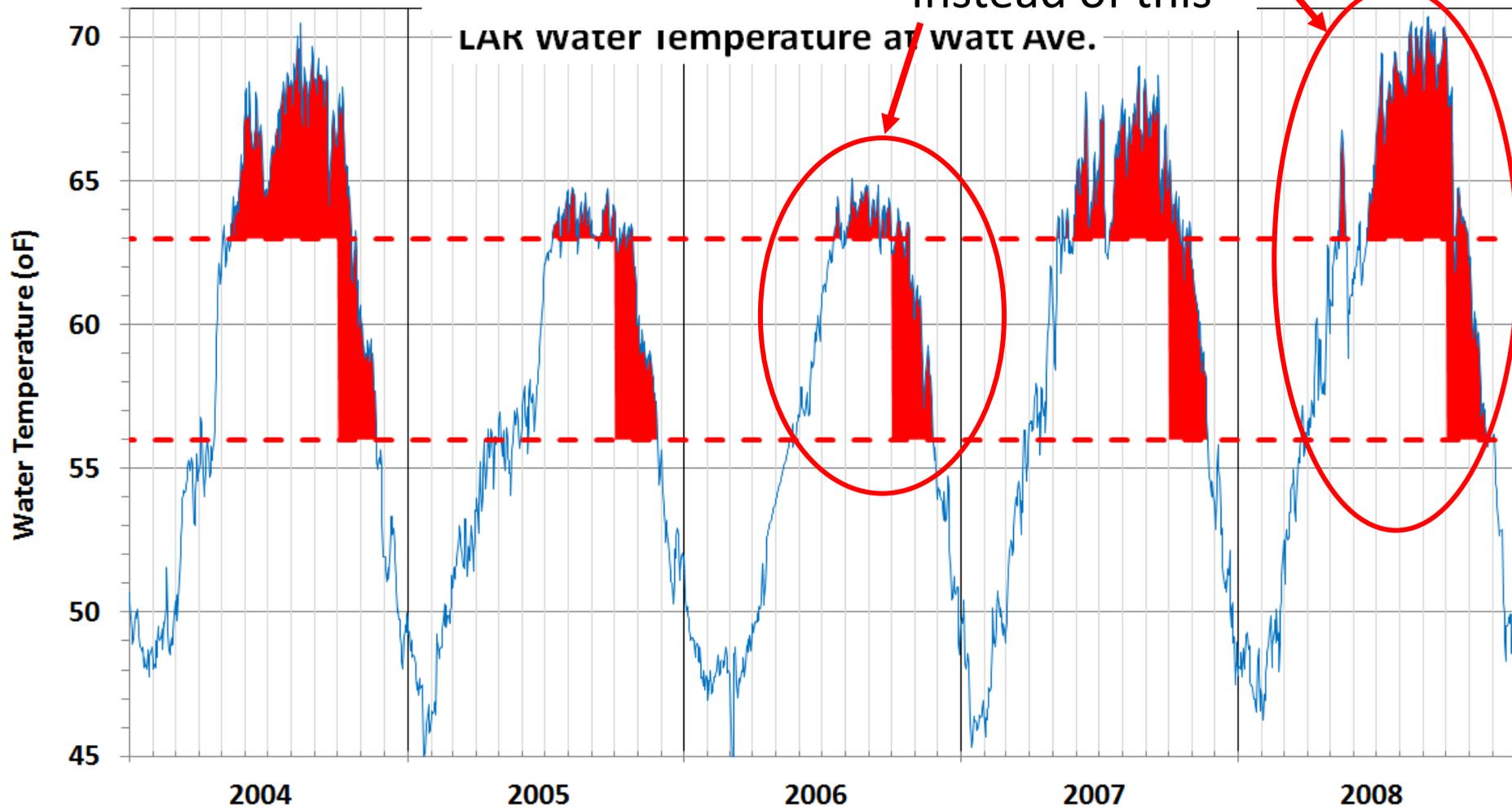
Folsom M&I Intake Capacity v. Storage



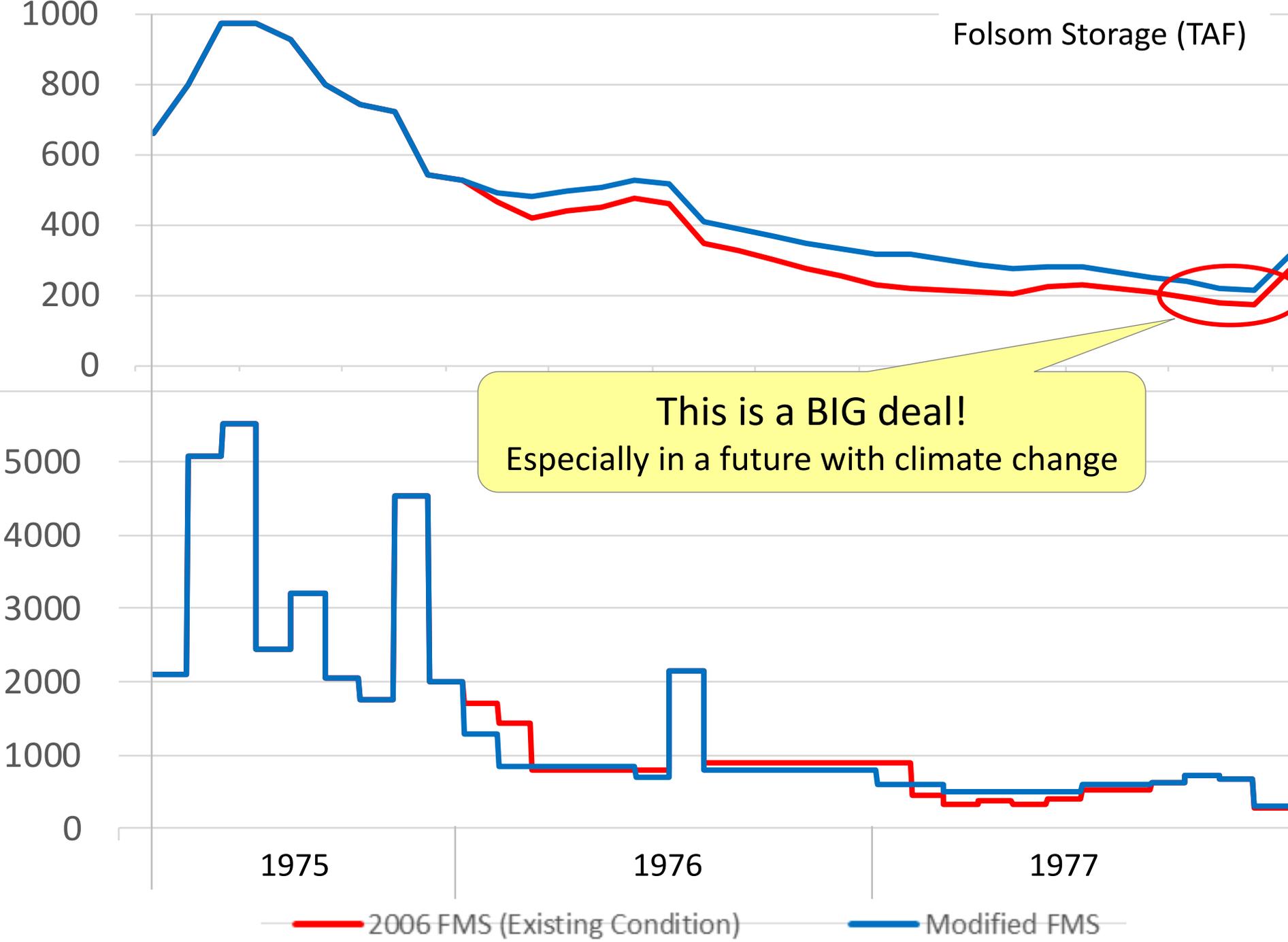
Why Avoid Low Storage?

Means river temperatures like this

Instead of this



Folsom Storage (TAF)





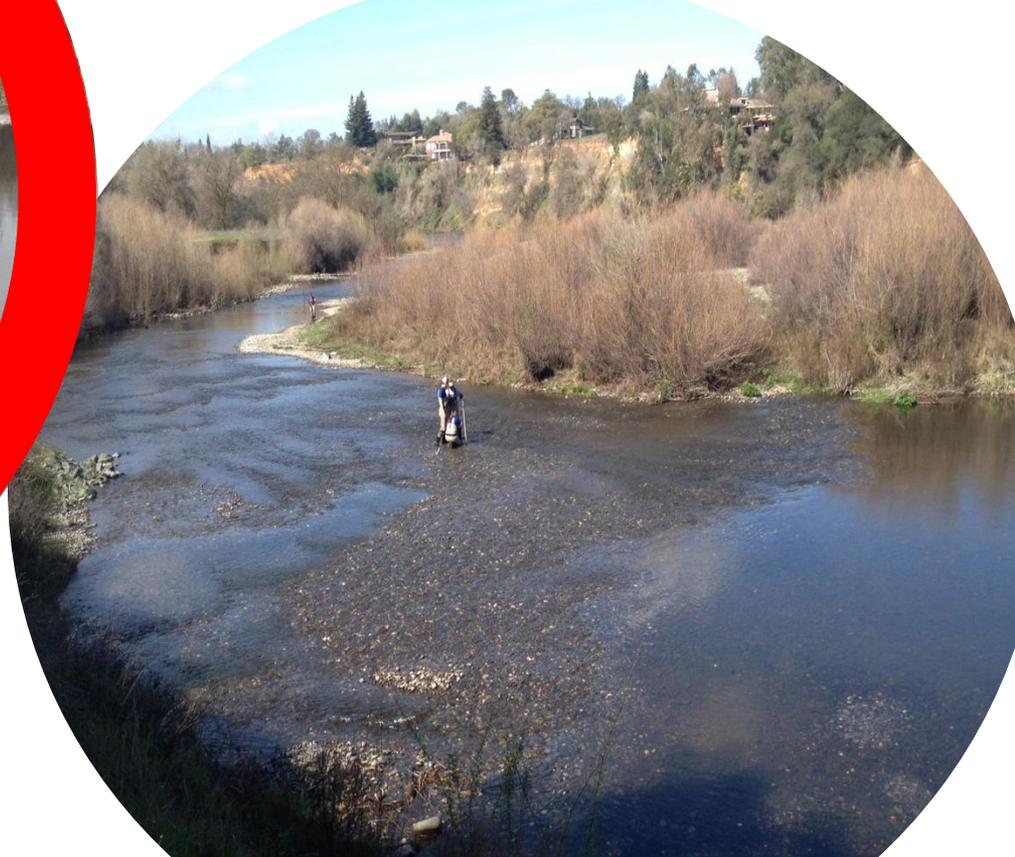
Avoid low Folsom Reservoir



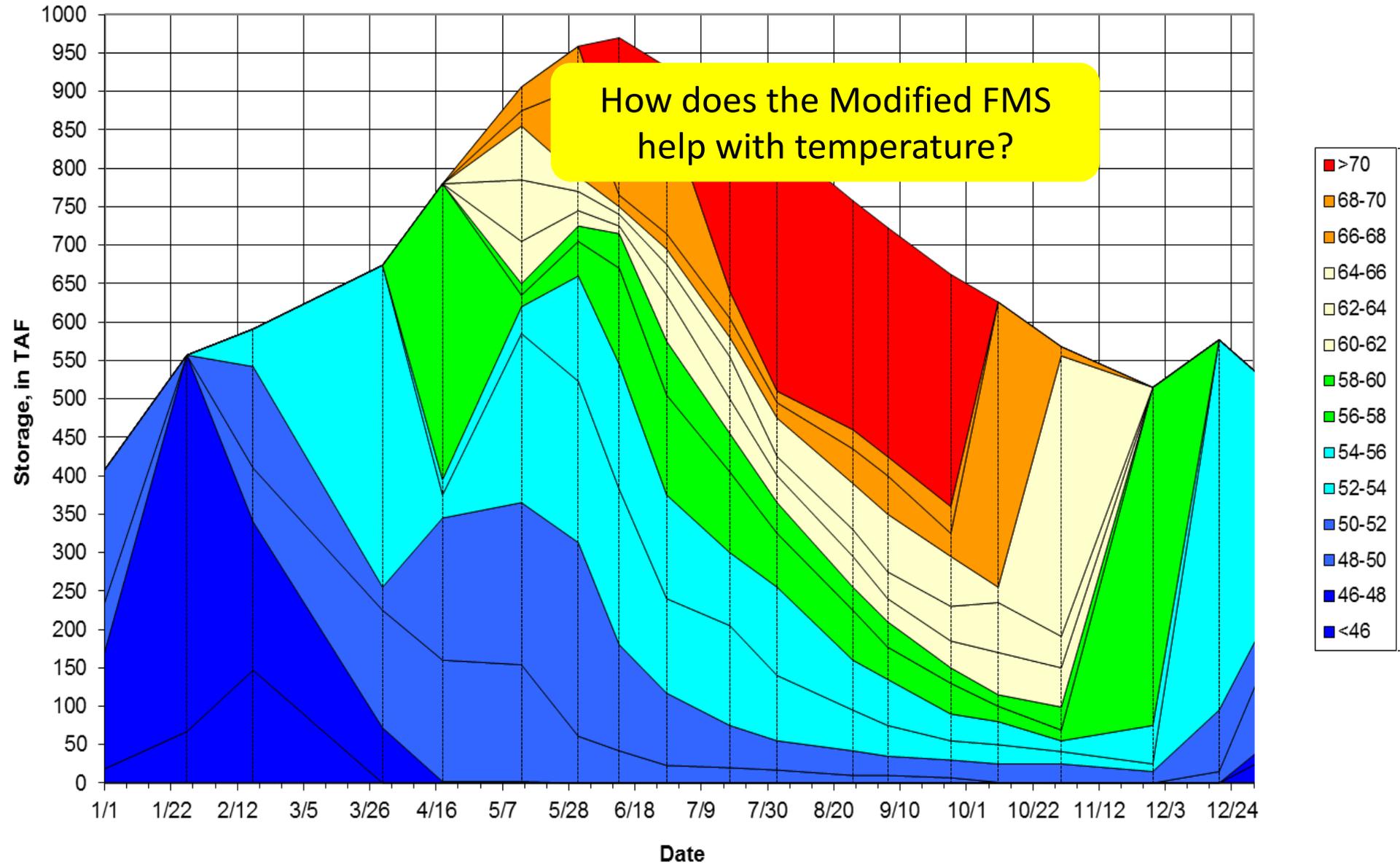
Better for lower American River Fish



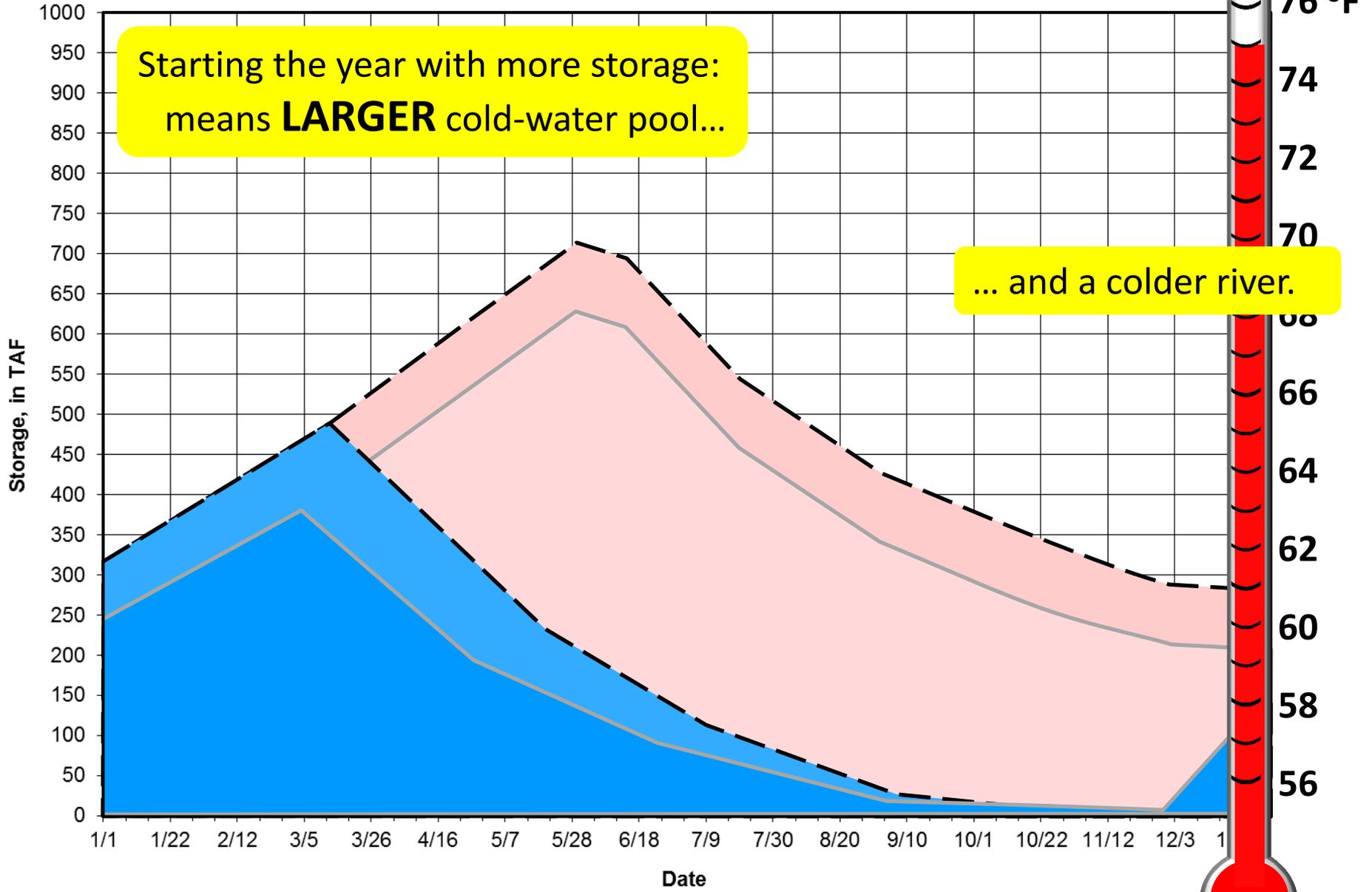
- Cooler water
- More and better habitat



Folsom Lake Isothermobaths - 2005 (Water Temperature, in ° F)



Folsom Lake Isothermobaths - Conceptual



Starting the year with more storage:
means **LARGER** cold-water pool...

... and a colder river.

No Impacts: Sac River Fisheries

THE SACRAMENTO BEE



Feds: Winter salmon extinguished in Califc

By BY RYAN SABALOW, DALE KASLER AI

For the second straight year, huge numbers of juvenile winter-run Chinook salmon appear to have baked to death in the Sacramento River because of California's drought-stretched water supplies, bringing the endangered species a step closer to extinction.

The grim statistics released by federal officials Wednesday raise the specter of

- Transferring impacts to Sacramento River is unacceptable due to Endangered Species Act.
- We have “tuned” our approach to avoid Sacramento River impacts
- Minimal (or no) impacts to other water users



Performance: Modified FMS

Big Improvement for lower American River

- ✓ Much lower water temperatures
- ✓ Avoid low levels in Folsom Reservoir
- ✓ Improved habitat in dry years

Avoided Redirected Impacts

- ✓ Sacramento River fisheries
- ✓ Flood safety & Delta exports



Flow Standard: Next Steps

- Technical Work
 - U.S. Bureau of Reclamation
 - State Fish and Wildlife
 - NOAA Fisheries
 - State Board Staff
- Settlement Opportunities
 - Water Quality Control Plan
 - WaterFix and EcoRestore





Questions?

Lower American River
Modified
Flow Management Standard
(Modified FMS)

San Juan Water District Department Reports

March 23, 2016

District Departments

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

All Staff Photo (Well, nearly all...)



Retail Field Services Staff

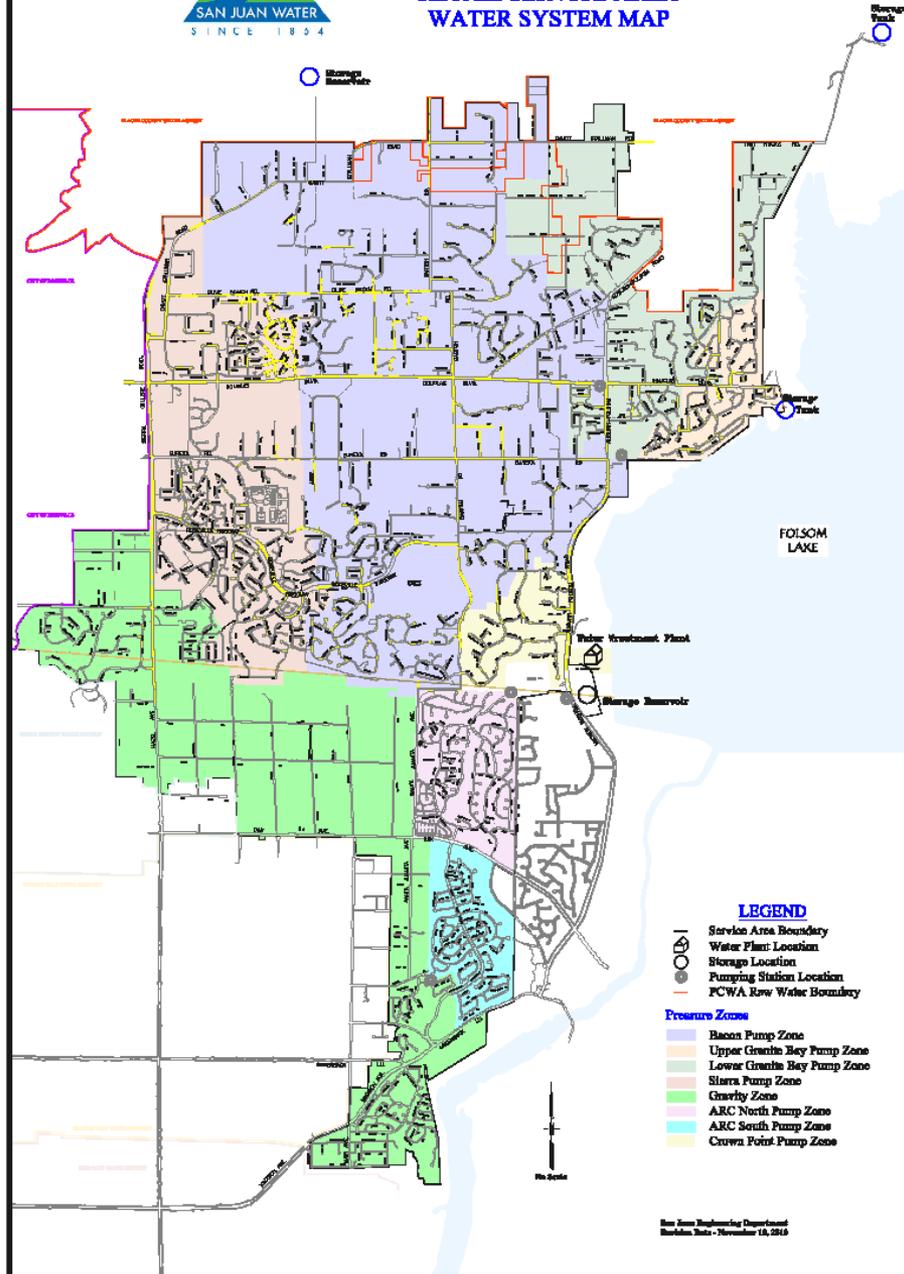




May 2011



SAN JUAN WATER DISTRICT RETAIL SERVICE AREA WATER SYSTEM MAP



LEGEND

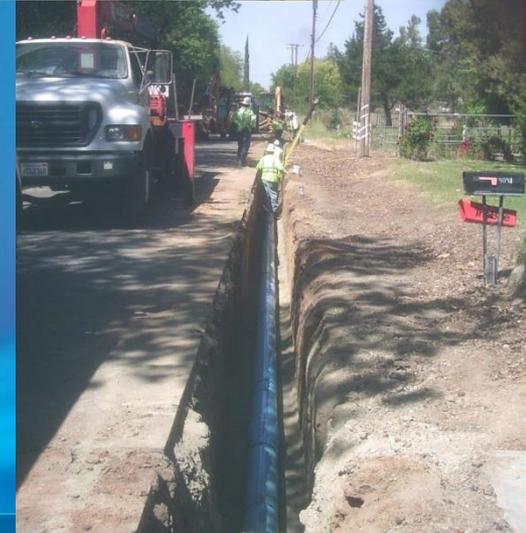
- Service Area Boundary
- Water Plant Location
- Storage Location
- Pumping Station Location
- PCWA Raw Water Boundary

Pressure Zones

- Bacon Pump Zone
- Upper Granite Bay Pump Zone
- Lower Granite Bay Pump Zone
- Sierra Pump Zone
- Gravelly Zone
- ARC North Pump Zone
- ARC South Pump Zone
- Crown Point Pump Zone

Retail Field Services Responsibilities

Over 200 miles of Pipelines &
10,800 service connections



Retail Field Services Responsibilities

Over 200 miles of Pipelines &
10,800 service connections

9 Pump Stations



Retail Field Services Responsibilities

**Over 200 miles of Pipelines &
10,800 service connections**

9 Pump Stations

**2 Storage Tanks & 1 Reservoir
(6MG total)**



Retail Field Services Responsibilities

Over 200 miles of Pipelines &
10,800 service connections

9 Pump Stations

2 Storage Tanks & 1 Reservoir
(6MG total)

Backflow Prevention, Valves,
Hydrants, Meters, PSV/PRVs,
Appurtenances



Retail Field Services Responsibilities

Over 200 miles of Pipelines &
10,800 service connections

9 Pump Stations

2 Storage Tanks & 1 Reservoir
(6MG total)

Backflow Prevention, Valves,
Hydrants, Meters, PSV/PRVs,
Appurtenances

Fleet, Buildings & Grounds



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

System Number: 3410021
 Purveyor: San Juan Water District
 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)
 District Engineer: Richard Hinrichs, P.E., Section Chief
 Reviewing Engineer: Ali R. Rezvani, P.E.
 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 1964, 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.

Location	Flow	Valve	Inspected	Operated	Visual Inspection	Notes
a) Santa Juanita	105 + 0	# 9 CTS				
a) Santa Juanita	112 + 20	# 5 BOV 6"				
a) Santa Juanita	113 + 50	42" T/W/BF				
a) Santa Juanita	113 + 70	#13 CAV 10"				
a) Santa Juanita	116 + 40	# 10 CTS				
a) Santa Juanita	116 + 40	18" BVF				
a) Santa Juanita	116 + 40	# 14 ARV 2"	10/6/14	Yes	Yes	Operated valve
a) Santa Juanita	117 + 75	# 15 CAV 8"	10/6/14	Yes	Yes	Visual inspection of
a) Santa Juanita	121 + 25	# 11 CTS	10/6/14	Yes	Yes	Operated valves, drain and
a) Santa Juanita	2 + 22	#16 CAV 6"	10/6/14	Yes	Yes	Visual inspection of Cts box and lid.
b) Oak Avenue	2 + 23	#12 CTS	10/6/14	Yes	Yes	Operated valve, inspected box and lid.
b) Oak Avenue	3 + 20	#6 BOV 6"				

San Juan Water D
 Lock-out/Tag-out

Shut Down/Start

Operator: R.POTTER

AGENCY SHUTDOWN

PUMP STATION

PROCEDURE

STEPS:

nt of Emer

Bacon), P

AND C

FREC

s to O

acon)

SCO

CU

M

M



San Juan Water District
 P.O. Box 2157 • Corona Del Mar, California 92646 • 949.791.0113
 9933 Auburn Fehrer Road • Granada Hills, California 91346
 Fax: 949.791.7361 • www.sjwd.org

BACKFLOW PREVENTION ASSEMBLY TEST AND MAINTENANCE REPORT

Water District/Authority: SJWD Meter/Account No.: _____
 Service Name: _____
 Service Address: _____
 Contact Person: _____
 Owner/Mgmt. Co.: _____ Title: _____
 Mailing Address: _____ Phone: _____
 Contact Person: _____ Title: _____ Phone: _____

New Existing
 Replacement For: _____
 Degree of Hazard: HIGH MEDIUM
 Domestic Fire Irrigation
 Assembly Type: Reduced Pressure: Double Check: Pressure Vacuum Breaker: Other:
 Mfg.: _____ Model No.: _____ Size: _____
 Location: _____ Serial No.: _____

Check No	Initial Test Result		Comments	Re-Test Results	
	Tightness	Differential		Tightness	Differential
Check No 1 (RP, DC, PVB)	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>
Check No 2 (RP, DC)	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>
Relief Valve (RP)	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>
Buffer (RP)	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>
Air Inlet (PVB)	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>
Shutoff valve No. 1	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>
Shutoff valve No. 2	Leak <input type="checkbox"/>	Tight <input type="checkbox"/>		Leak <input type="checkbox"/>	Tight <input type="checkbox"/>

Repairs/Comments: The customer shall notify SJWD after repairs have been made. A \$50.00 re-test fee per unit will apply.
 Assembly Mechanical Test: _____
 Alarm Company/Fire Department notification: _____
 Turn Off Date: _____ Time: _____
 Tester Name: _____ Turn On Date: _____ Time: _____
 Tester Signature: _____
 Tester Phone: 916-791-7101 AWWA Certification No.: _____
 Owner or Agent Signature: _____ Test Gauge: _____ Test Date: _____
 Signature indicates compliance by signatory and assembly valve was recorded in pre-test assessment.
 Gauge Re-Cert Date: _____ Expires: _____
 1/12/2015

Field Services



What we've been up too and what's ahead.

My Kids



Tom Clark



Adam Larsen



Chris Mayer



Justen Cater



Mike Martinez



Robert Nush



Randy Potter



Mike Heasley



Jason Mayorga



Daniel Griego



Tom McClure



Shay Orr



Scott DesJardin

Auburn Folsom Road



Old 6" water main @ Linda Creek



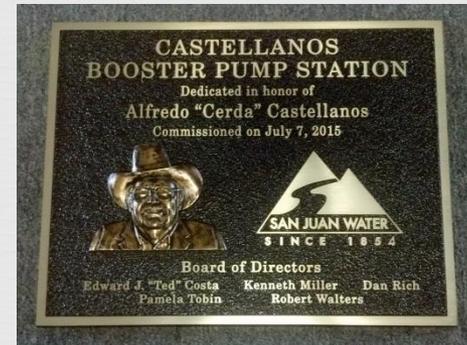
Finally (Replaced)



Al Castellanos Pump Station



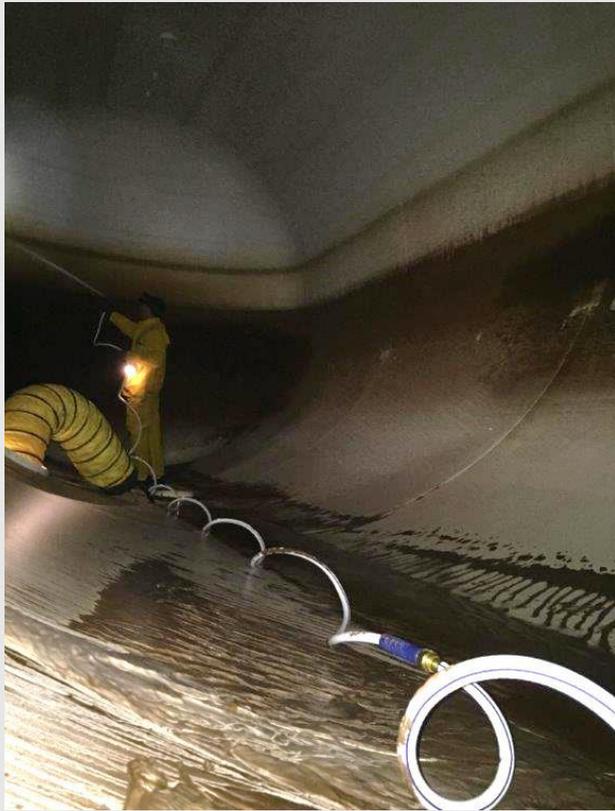
Al Castellanos Pump Station



Upper Granite Bay Pump Station



Mooney Tank Inspection



Rose Springs Pipeline Removal



Before



After



Control Valve Stations



Citrus Heights



Fair Oaks



What's Next



Sample Stations



Before



After



Cross Connection Control Program

- ❧ 2008 Started “in-house” testing of all the Backflow Devices
- ❧ Ensure Proper Operation for Customers Safety
- ❧ 2008: 476 Devices
- ❧ 2015: 820 Devices



Typical Backflow Device & One Creepy 8-Legged Resident



Leaks

(average 94 per year)

❧

Douglas Blvd



The Culprit



Pin-Hole Leak



Christmas Eve 15'



Leaks come in all varieties



Car vs Hydrant



Yet another



A couple more..



Lazy Contractor



Old Damage



The Power of Water



Erosion



The Collection



What's in the forecast



- ❧ ARC Flash
- ❧ Los Lagos Tank Recoating
- ❧ CO-OP Line Maintenance
- ❧ PRS Station @ ARC Drive
- ❧ Main Ave Mainline Replacement
- ❧ Oak Ave Mainline Replacement
- ❧ Dead End Flushing

The Crew



Questions



Legal Affairs Committee Meeting
March 14, 2016
4:00 p.m.

Committee Members: Bob Walters (Chair)
Ted Costa, Director

District Staff: Shauna Lorance, General Manager
Keith Durkin, Assistant General Manager
Teri Hart, Board Secretary/Administrative Assistant
Josh Horowitz, Legal Counsel

Topics: Review BKS Legal Services Agreement (W & R)
Groundwater Substitution Transfer (W)
Conserved Water Transfer (W)

- Bill Language to Clarify Transferability of Conserved Water

FO-40 Agreement on Payment Schedule (W)
Groundwater Reimbursement Discussions (W)
Other Legal Affairs Matters
Public Comment

1. Review BKS Legal Services Agreement (W & R)

The committee reviewed the existing legal services agreement between Barkiewicz, Kronick & Shanahan (BKS) and the District. Director Costa voiced concern regarding automatic increases in fees. Mr. Horowitz explained that a letter is provided to the Board in December for any increases that are effective in January, per the agreement, and the Board is free to discuss those increases with BKS. The committee discussed the process and would like to receive the fee increase letter prior to the December Board meetings in the future. In addition, the committee would like the agreement to be updated using the BKS agreement template that was provided to the committee for review. Mr. Horowitz will provide an updated agreement for review by the committee.

For information only; no action requested

2. Groundwater Substitution Transfer (W)

Ms. Lorance informed the committee that Citrus Heights Water District (CHWD) and Fair Oaks Water District (FOWD) hired Greg Young to work on the groundwater substitution transfer. He will be preparing the binder of information that is required to be submitted for the transfer, and it is anticipated that it will be ready next week.

For information only; no action requested

3. Conserved Water Transfer (W)

Ms. Lorance informed the committee that there will likely be no mandatory conservation requirements this year. The white paper is being worked on and the proposal is being developed to submit to the State Water Resources Control Board regarding conserved water transfers.

For information only; no action requested

3.1 Bill Language to Clarify Transferability of Conserved Water

Mr. Horowitz provided the committee with a memorandum containing a proposal to amend Water Code Section 1011. The proposed amendments to Section 1011 are intended to make clear that water conserved by SJWD and any other holder of an appropriative water right under a state mandate may transfer that water in accordance with the authority provided in Section 1011. The committee would like Mr. Paul Barkiewicz to discuss the proposed amendments with the ACWA water transfer work group.

For information only; no action requested

4. FO-40 Agreement on Payment Schedule (W)

Ms. Lorance informed the committee that FOWD Board would like to enter into an agreement for an alternate payment schedule for Phase 2 of the FO-40 project. Mr. Horowitz provided a draft agreement which the committee reviewed. The committee directed Ms. Lorance to send the agreement to FOWD with a cover letter stating that the agreement is valid for 60 days.

For information only; no action requested

5. Groundwater Reimbursement Discussions (W)

Ms. Lorance informed the committee that she had a meeting with OVWC and City of Folsom, who agreed that the 2014 water costs for groundwater should be included in the wholesale water rates. These costs would include the total benefit provided to all wholesale customer agencies, not just OVWC, Folsom and SJWD retail service area, since they would be paid for by all. A brief discussion was held with CHWD and FOWD and they obviously would like to be reimbursed for all years, but an initial payment for the 2014 costs is a step in the right direction.

She informed the committee that the City of Folsom and Orange Vale Water Company voiced concern regarding the 2009-2013 charges and the fact that the charges are higher for stand by charges than for when water was actually pumped in 2014. The agencies would like to review the background data for the charges. Ms. Lorance informed the committee that the Water Supply & Reliability Committee will be reviewing the issue and working towards resolution.

For information only; no action requested

6. Other Legal Affairs Matters (W/R)

There were no other matters discussed.

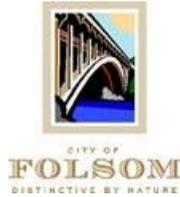
6.1 Next Meeting Date

The next meeting will be scheduled when needed.

7. Public Comment

There were no public comments.

The meeting was adjourned at 5:50 p.m.



March 18, 2016

Ms. Yolanda Smith, Lead Program Analyst
Office of Program and Policy Services
Denver Federal Center
P.O. Box 25007
Denver CO 80225-0007
ysmith@usbr.gov

Subject: Joint Comments, Proposed Directives and Standards PEC 05-10 and PEC 05-11

Dear Ms. Smith:

The purpose of this correspondence is to transmit consolidated comments by the Central Valley Project (CVP) American River Division water service contractors and partner agencies (together the Contracting Agencies) regarding Bureau of Reclamation (Reclamation) Draft D&S PEC 05-10, "Contracting for Non-Project Use of Excess Capacity in Reclamation Facilities", and Draft D&S PEC 05-11, "Charges for Non-Project Use of Excess Capacity in Bureau of Reclamation Project Facilities" (together the Draft D&S'). In summary, the Draft D&S' would first increase charges to contracting entities for use of excess capacity in Reclamation facilities; then allow Reclamation to retain and expend payments received from those entities without further appropriation by Congress.

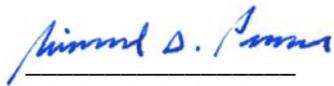
By letter dated November 23, 2015, the Contracting Agencies advised Reclamation leadership that methods and assumptions underlying this concept were materially flawed both technically and from a public policy perspective. The Contracting Agencies requested Reclamation set aside the Draft D&S' and instead engage with the Contracting Agencies in a separate, collaborative process to achieve our common interest of ensuring safe, operationally reliable CVP facilities over the long term. The Contracting Agencies subsequently provided Reclamation with a detailed summary of legal, regulatory and contractual concerns dated February 10, 2016. The summary was requested by the Mid-Pacific Region for their reference in internal meetings with legal counsel and Reclamation policy staff.

The Contracting Agencies still anticipate that Reclamation will reply to our November 23, 2015 correspondence and February 10, 2016 summary. Substantive feedback from Reclamation is an essential starting point for a partnership effort to address long term CVP facility reliability.

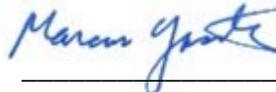
Notwithstanding, Reclamation's Office of Policy (OP) asserts it will implement the Draft D&S' upon expiration of the current comment period. Accordingly, the Contracting Agencies are compelled to consolidate and timely submit formal comments to the Draft D&S' consistent with our continuing perspective that the rate calculation and cost recovery provisions of Draft D&S' cannot apply to the CVP (enclosure 1).

Thank you for your consideration. The Contracting Agencies are hopeful Reclamation will acknowledge and accept our comments regarding the preeminence of the Secretary's CVP Ratesetting Policies and the terms and conditions of existing CVP contracts. If Reclamation determines otherwise, the Contracting Agencies would appreciate a written record of the reasoning supporting that decision.

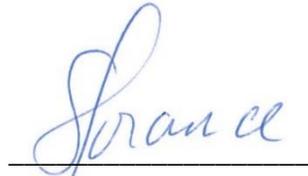
Sincerely,



Richard D. Plecker
Environmental Utilities
Director
City of Roseville



Marcus Yasutake
Environmental and Water
Resources Director
City of Folsom



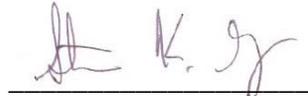
Shauna Lorange
General Manager
San Juan Water District



Andrew Fecko
Director, Resource
Development
Placer County Water Agency



Alexander Coate
General Manager
East Bay Municipal Utility
District



Steven K. Sorey
Director, Energy Trading and
Contracts
Sacramento Municipal Utility
District



Rob Roscoe
General Manager
Sacramento Suburban Water
District



Jim Abercrombie
General Manager
El Dorado Irrigation District



Kenneth V. Payne, P.E.
Interim General Manager
El Dorado County Water
Agency



Michael Peterson
Director/Agency Engineer
Sacramento County Water
Agency

cc: Estevan Lopez, Commissioner, U.S. Bureau of Reclamation
Ms. Roseann Gonzalez, Director, Office of Policy, U.S. Bureau of Reclamation
Mr. David Murillo, Regional Director, Mid-Pacific Region

Enclosures: 1

Comments and Recommendation

APPLICABILITY OF DRAFT D&S PEC 05-10 AND DRAFT D&S PEC 05-11 TO THE CENTRAL VALLEY PROJECT (CVP)

Comment 1: Modify paragraph 5 of Draft D&S 05-11 as follows (edits in bold italics):

“Charges for Use of Excess Capacity. Appropriate charges will be assessed for the non-project use of excess capacity in Reclamation projects. Charges *for projects other than the CVP* will include OM&R, and a construction charge where appropriate, as described below, and will be utilized as described in RM D&S Contracting for Non-Project Use of Excess Capacity in Reclamation Project Facilities, PEC 05-10. *Charges for excess use of CVP facilities will be determined in accordance with the Secretary’s then-existing CVP Ratesetting Policies and applicable provisions of CVP water service and repayment contracts.*”

Comment 2: Modify paragraph 5 of Draft D&S 05-10 as follows (edits in bold italics):

“BON Requirements. Where contracting authority is already delegated, the regional director will develop pricing *for projects other than the CVP* in accordance with RM D&S, Charges for Non-Project Use of Excess Capacity in Reclamation Project Facilities, (PEC 05-11). *Charges for excess use of CVP facilities will be determined in accordance with the Secretary’s then-existing CVP Ratesetting Policies and applicable provisions of CVP water service and repayment contracts.*”

Comment 3: Modify subparagraph 6C of Draft D&S PEC 05-10 as follows (edits in bold italics):

“Charges for Use of Excess Capacity. The excess capacity contract will assess an OM&R charge and fixed charge (as applicable). *OM&R charges for excess use of CVP facilities will be determined in accordance with the Secretary’s then-existing CVP Ratesetting Policy and applicable provisions of CVP water service and repayment contracts. OM&R charges for projects other than the CVP will be determined in accordance with this subparagraph.*”

Basis for Comments 1 – 3. Comments 1 – 3 reflect the Contracting Agencies contention that the Draft D&S’ cannot apply to the CVP. The main reasons are:

Reason 1 (Regulatory). The CVP Ratesetting Policies are Interior policies and cannot be superseded by a bureau-level directive.

a. Regulatory Framework. The CVP Irrigation Ratesetting Policy and the CVP M&I Ratesetting were developed, approved and implemented as a Department policy consistent with the Department Manual and related DOI directives. Representative citations include, but are not limited to: Part 200, Chapter 1, Delegation of Authority; Part 200, Chapter 3, Re-delegations Issued by Assistant Secretaries; and Part 301, Chapter 2, Public Participation in Decision-making. In summary, all program authorities must be formally delegated; exercise of that authority must conform with “any requirements that the person making the delegation would be called upon to observe” including “relevant policies, standards, programs, organization and

budgetary limitations, and administrative instructions prescribed by officials of the Office of the Secretary or bureau”.

b. The Office of the Assistant Secretary for Water and Science (AS/WS) exercised continuing oversight throughout the policy-development process. Oversight by the AS/WS was a very deliberate decision in response to the extraordinary level of Congressional and public interest and related controversy. The following provides a brief characterization of circumstances at the time. This is just a synopsis. Reclamation maintained a very extensive administrative record for both policies. These records are available in Reclamation’s archives. In summary:

- The original 40-year CVP contracts were fixed rate contracts. Over time, Reclamation’s annual and cumulative O&M costs far exceeded revenues derived from these 40-year contracts. This dynamic resulted in a growing deficiency in complying with statutory requirements for CVP project repayment. It also resulted in an increasingly significant O&M deficit.
- Reclamation honored the terms of the then-existing contracts and withheld any action to adjust the fixed-rate or impose any additional charge or rate to recover the accumulated repayment or O&M deficits pending contract renewal.
- The original 40-year contracts began to expire beginning 1988. In advance of that date, Congress enacted the Coordinated Operations Act (COA) of 1986 (Pub. L. No. 99-546, 100 Stat. 3050-56) which included several provisions for addressing the CVP cost recovery deficiency. In particular:
 - Section 105 established 2030 as a firm repayment deadline for contractors to repay all construction costs and O&M deficits existing as of 1986 and required contracts to include provisions for adjusting rates if it is found that the rate in effect may not be adequate to recover Federal investments.
 - Section 106 established specific requirements for calculating individual contractor O&M deficits and required the Secretary of the Interior include provisions in each new or amended CVP contract for recovery of such accumulated O&M deficits.
- In compliance with P.L. 99-546, and because the first-expiring CVP contracts were exclusively irrigation contracts, Reclamation began finalizing a comprehensive CVP Irrigation Ratesetting Policy in the late 1980s. The final CVP Irrigation Ratesetting Policy approved by the AS/WS is based upon the cost-of-service (COS) principle.
- The policy development process was very lengthy and very contentious. In addition to complying with the statutory mandate, Reclamation also had to contend with audits and reviews by the DOI Office of Inspector General (OIG) and Government Accountability Office (GAO); enormous opposition from CVP contractors whose historically low water rates would be replaced upon contract renewal by significantly higher COS rates; and extraordinary interest by the general public, other project stakeholders, Congressional Committees and individual members of Congress

- Because of the volatility and extent of these four factors (statutory requirements, OIG/GAO findings, contractor opposition, Congressional and stakeholder interest) the AS/WS retained direct policy-level oversight throughout the ratesetting development process. The AS/WS also reserved final approval authority for the completed policy.
- In the early 1990's, Reclamation initiated a corresponding process to develop and implement a CVP M&I Ratesetting Policy. That process was similarly contentious for all the same reasons as the CVP Irrigation Ratesetting Policy. In addition, the proposed M&I Ratesetting Policy required calculation and recovery of the accumulated M&I O&M deficit as mandated by P.L. 99-546. The M&I O&M deficit issue led to extensive litigation which was eventually settled at the Department level.
- As with the Irrigation Ratesetting Policy, the AS/WS exercised direct oversight of the M&I ratesetting development process, and reserved final approval authority over the completed CVP M&I Ratesetting Policy.

c. The AS/WS approved the final DOI CVP Ratesetting Policies without further delegating authority to formally amend or modify.

(1) The CVP Irrigation Ratesetting Policy was approved by the AS/WS as a Department policy in 1988. There is no record of any delegation to the Commissioner of authority to amend the policy without approval by the AS/WS.

(2) The CVP M&I Ratesetting Policy was approved by the AS/WS as a Department Policy on March 14, 1995. The approval memorandum from the Assistant Secretary does not delegate any authority to Reclamation to formally modify or amend or implement a Final CVP M&I Ratesetting Policy without further approval by the AS/WS.

NOTE: For purposes of this paper, the terms “formally amend” or “formally modify” are intended to mean a structured, public process to change some actual provision of the existing, approved CVP Ratesetting Policies. By that definition, neither DOI nor Reclamation has ever initiated any action to formally amend or modify the policies. However, in managing the approved ratesetting policies, Reclamation has periodically developed and issued supplements to reflect uniform interpretation of an existing policy provision; or to comply with litigation settlements, court-decisions, or audit findings. Examples include:

- Including reimbursable security costs in CVP water rates pursuant to new legislation
- Adjusting accumulated deficits as a result of the M&I Deficit settlement.
- Adjusting individual and cumulative CVP repayment obligations for conversion by Friant contractors to repayment contracts under authority of the San Joaquin River Restoration Act.

d. In accordance with the approved policies, DOI requires all CVP water rates to be based upon the COS principle. Specifically:

(1) The CVP Irrigation Ratesetting Policy requires (underscore added): “The cost-of-service water rates apply to all types of water within the CVP, including Class 1, Class 2 and the storage and/or conveyance of non-project water in CVP facilities. All CVP irrigation cost-of-service and full cost pricing determinations are made in accordance with the ratesetting policy”.

(2) The CVP M&I Ratesetting Policy states: “Two fundamental concepts underlie the Proposed Policy: Individual Contractor Accounting, and Cost of Service water rates” . . . “Cost of Service refers to the determination of annual water rates based on the Government’s cost of providing M&I water to the individual contractor’s designated delivery point. This includes recovery, within the authorized repayment period, of: (1) annual O&M costs, (2) interest costs, (3) M&I investment costs, and (4) any individual contractor deficit balances”.

Reason 2 (Contractual). Draft D&S PEC 05-10 and Draft D&S PEC 05-11 cannot conflict with CVP contract provisions. Specifically:

a. The Draft D&S cannot supersede Article 17(b)(1) or comparable provision of existing CVP water service contracts which state (underscore added): “The Contractor may introduce non-Project water into Project facilities and deliver said water to lands within the Contractor’s Service Area, including Ineligible Lands subject to payment to the United States and/or to any applicable Operating Non-Federal Entity of an appropriate rate as determined by the applicable Project ratesetting policy . . .”

b. The Draft D&S cannot supersede Article 7(i) or comparable provision of CVP repayment contracts which state (underscore added): “All revenues received by the United States from the Contractor relating to the delivery of Project Water or the delivery of non-project water through Project facilities shall be allocated and applied in accordance with Federal Reclamation law and the associated rules or regulations, the then-existing Project Ratesetting policies for M&I Water or Irrigation Water . . .”

c. Article 7(a) of CVP water service and repayment contracts verifies that the CVP Ratesetting Policies are Department level policies and establishes requirements for any proposed amendments (underscore added): “The Contractor shall pay the United States as provided in this Article for all Delivered Water at Rates, Charges, and the Tiered Pricing Component established in accordance with: (i) the Secretary’s then-existing ratesetting policy for [M&I] [Irrigation] Water. Such ratesetting policy shall be amended, modified, or superseded only through a public notice and comment procedure; . . .”

d. The Draft D&S cannot supersede Article 5, paragraph 5(a) or comparable provisions of existing CVP Warren Act Contracts which state (underscore added): “The Contractor shall pay the United States as provided in this Article for the conveyance of Non-Project Water pursuant to this Contract at the Rate set forth in Exhibit A, as may be revised annually in accordance with CVP ratesetting policies”.

APPLICABILITY OF THE INTERIOR DEPARTMENT APPROPRIATIONS ACT FOR 1928, DATED JANUARY 12, 1927 (1927 ACT)

Comment 4: In conjunction with Comment 3 above, modify paragraphs 6C(2), 6C(2)(a) and 6C(2)(b) in Draft D&S PEC 05-10 as follows (edits in strikethrough and bold italics):

6C(2) Replacement Component. The Replacement component of the OM&R charge *for projects other than the CVP* will be established as described in PEC 05-11. In accordance with the 1927 Act, the excess capacity contract will identify the Replacement component and describe the purpose as providing funding for future Extraordinary Maintenance (XM) needs as defined in Section 3(B) of PEC 05-03. **For all projects, revenues derived from the Replacement component will be allocated 100% to the project that is providing excess capacity and 50% to be used Reclamation-wide**, unless otherwise established by law.

6C(2)(a) Reserved Works. For reserved works, ~~5100%~~ of the “R” component will be retained and used for ~~project specific XM~~ mutually designated projects *in accordance with an advance O&M funding agreement*.

6C(2)(b) Transferred Works. For transferred works, ~~5100%~~ of the “R” component will be paid to the operating entity as identified in the contract.

Basis for Contractor Comment 4.

1. Project Accounting. Reclamation law, policies, and practices governing cost recovery, repayment and budgeting are all based upon individual project accounting. Consistent with those laws, policies and practices 100% of all revenues from contracts for use of excess capacity should remain with the project that is providing the excess capacity.

2. Internal Controls. The 1927 Act is essentially a funding authority and is not directly related to water rates or project cost allocation. Reclamation has historically invoked this authority in partnership with CVP water and power contractors to complete priority O&M projects that were otherwise unfunded by federal appropriations. In every case, Reclamation negotiated and executed standalone, voluntary “Advance O&M Funding Agreements” with participating contractors which defined individual roles and responsibilities, the term and scope of the contract, payment requirements and other requirements and conditions. Each individual Advance O&M Funding Agreement was reviewed and approved for legal sufficiency prior to execution.

Interjecting this authority into Draft D&S’ ostensibly pertaining to water rates and cost recovery, without any corresponding internal control requirements, has been a major source of confusion and concern by the Contracting Agencies. Retention and use by Reclamation of contract payments without appropriate internal controls represent enormous risks including, but not limited to, qualification of Reclamation’s annual financial statements and augmentation or other violations of appropriations law. To reduce this risk, the Contracting Agencies strongly encourage Reclamation to require advance O&M funding agreements or comparable means to ensure accountability in each case prior to retaining and using payment revenues.

Date: Wed, 23/Mar/2016 | **Time:** 7:00PM | **Location:**

Chairman Pam Tobin

RWA

**Water
Efficiency**

The State Water Board is still operating under the emergency conservation mandate. Even though we are not having a water emergency. The bureau is running in flood control status and spilling Folsom Lake. This appears to be more about regulation than water supply. If the state would return to normal that's the best opportunity to measure any of the states intended results. It appears that they are holding down further state development through using water than land management. However, without holding down development (for example in Roseville) more development could result in reduced water reliability. PCWA and others sent a letter to the state letting them know that they are out of the drought and based on the state handling of he droit has costs a lot of money to their agency the state water board a public workshop called Urban Water Conservation, April 20th at 1:00pm at the Joe Serna Jr-CalEPA Headquarters Building in the Coastal Hearing Room, 1001 I Street, Sacramento CA written comments are due 12 noon on Thursday, April 14, 2016. Water board staff will monitor and evaluate available data on precipitation, snowpack, reservoir storage levels and report back to the water board in March and April and if the conditions warrant and perhaps bring rescission or adjustments on the water regulations in May.

**Regional
Reliability Plan
Update**

The Strategic plan of 2013 called for a Regional Water Reliability Plan. The RWA Board approved and selected Montgomery Watson Harza as the consultant that will assist staff in developing a scope of work and budget for the plan. Rob Swartz, Manager of Technical Services. As part of the reliability plan they will identify 1) Vulnerability and 2) Mitigation. This study will take a year for the first stage. The study is going to cost \$400-500K. Reclamation has a \$200K grant to be applied to this study. Moving past the first year of the study, work to establish a Water Bank is important to show he state that we can operate our own reservoir allowing us to bank water without the state controlling us.as the next phase will be a 3 yr study and it will develop a model and complete a NEPA report. RWA will be assembling a water committee around April 13 to project an agreement for phase one to identify a funding strategy aside from the \$200k grant from reclamation there is \$30K in the IRWM and \$25K from the subscription program. Phase two could cost \$2M for is 3 yr study

**Legislative
Update**

Dave Brent gave a presentation on the legislative hot list. More than 100 bills related to RWA interests provided in the Advocacy Program adopted by the board in Sept 2015. On March 2nd the lobbyist subscription program committee met and developed the preliminary list of bills and recommended positions called a "Hot List". www.rwah2o.org go to "Advocacy" then click on "Lobby Subscription Program". To access this list the ID is "water" and the password is "water". The term LSP means Lobby Subscription Program.

March 23, 2016

The LSP Committee recommends the following preliminary positions on five "Hot List" bills:

AB 1555 (Gomez D) - Greenhouse Gas Reduction Fund - Support.

This bill would appropriate \$1.7 Billion from the Greenhouse Gas Reduction Fund, including funding for turf replacement, toilet replacement and energy efficient groundwater pump replacement. RWA will meet with the author and try to include funding for advanced meter instrumentation and pump upgrades for treatment plants and pump stations.

AB 1749 (Mathis R) - CEQA: exemption: recycled water pipelines – Support

This bill extends the sunset of a CEQA exemption for construction of recycled water pipelines and related infrastructure, including related groundwater replenishment projects, from January 2017 to January 2022.

SB 814 (Hill D) Drought - excessive water use: urban retail water suppliers - Oppose

SB 814 will require both public and private urban retail water suppliers that directly provide potable municipal water to more than 3,000 users to levy fines against excessive water users. The bill prohibits excessive water use and requires water suppliers to assess a penalty of at least \$500 on residential water customers for every hundred cubic feet used above an "excessive use definition".

SB 1317 (Wolk D) - Conditional use permit: groundwater extraction facility – Oppose Unless Amended

This bill would, by July 1, 2017, require a city or county overlying a basin designated as a high- or medium-priority to establish a process for the issuance of conditional use permits for the development of a groundwater extraction facility. RWA would like to work with the author to amend the bill to not apply to public water supply wells and provide some consideration for the status of management of the groundwater basin.

SB 1318 (Wolk D) - Local government: drinking water infrastructure or services: wastewater infrastructure or services – Oppose

This bill requires cities and special districts to make water and wastewater services available to existing communities within or adjacent to their spheres of influence prior to annexing more land or extending services for new development.

March 23, 2016

www.rwah20.org/rwa/ffis

under Advocacy

AGENDA ITEM 7: LEGISLATION UPDATE

BACKGROUND:

*Dave Brent
Legislative Hot List
Lobby Subscription Program*

The deadline for bill introduction for the 2016 California Legislative Session was February 19, 2016. Staff has subsequently identified and analyzed more than 100 bills related to RWA interests using the priorities, policy principles, and guidance provided in the RWA Advocacy Program (Advocacy Program) adopted by the Board in September 2015.

On March 2nd, the Lobbyist Subscription Program Committee met and developed the preliminary list of bills and recommended positions RWA should take on the "Hot List" bills. The "Hot List" is defined as those bills considered either high or medium priority according to the guidance provided in the adopted Advocacy Program. In general, these types of bills are of significant interest to RWA and will be the focus of our legislative advocacy efforts.

The low priority and spot bills, as well as bills that are amended, will be watched for changes that could either increase RWA's interest or eliminate them from further consideration.

In addition to the new bills introduced in 2016, there are eleven "Hot List" bills left over from 2015, referred to as 2-year bills that are still in play and may be acted upon during the 2016 Legislative Session. It is likely that only a few of these bills will be acted upon, but it is recommended they remain on the RWA Hot List at this point.

The following is staff's breakdown of the bills that are of interest to RWA advocacy efforts:

Total Number of New Hot List Bills	34
Total Number of 2-Year, Hot List Bills	11
Total Number of Low Priority Bills	39
Total Number of Spot Bills	25

It is still early in the legislative process and it should be anticipated that this list and some of RWA's positions will change over the coming months as bills are amended.

Attachment A is a summary of the 34 Hot List bills. At this point, the LSP Committee's preliminary recommendation is that RWA take a "Watch" position on 29 of those bills. Upon more information gathered from RWA's contract lobbyist (Fernandez Government Solutions), follow-up meetings with legislators and their staff, input from ACWA and other organizations, and other channels, some of these "Watch" positions may be elevated to Support or Oppose.

Regional Water Authority – Legislative Hot List - 2016

RWA's Legislative Hot List provides the summary and status of significant legislation followed by RWA's Advocacy Program. The Hot List includes bills determined to be of High or Medium priority using the decision matrix included in the Legislative Platform and/or input from the Lobbyist Subscription Program Committee. For more information on a specific bill, please contact Soyla Fernandez, Hector Fernandez or Dave Brent.

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 1555 (Gomez D) Greenhouse Gas Reduction Fund.</i></p> <p>RWA Interest: This bill would potentially benefit RWA's efforts to provide State funding for turf replacement and other water efficiency tools.</p> <p>This bill would state the intent of the Legislature to enact future legislation to appropriate \$1.7 billion from the GGRF for the 2015–16 fiscal year, for among other things, unspecified amounts to DWR for turf and toilet replacement programs and an energy efficient groundwater pump replacement program.</p>	<p>SUPPORT</p>	<p>Introduced: 1/4/16</p> <p>Will meet w/ Gomez and recommend expanding the groundwater pump repl. to include other pumps/motors</p>
<p><i>AB 1585 (Alejo D) Monterey County Water Resources Agency: Lake Nacimiento and Lake San Antonio</i></p> <p>RWA Interest: For consideration, does RWA want to take positions on earmark funding issues?</p> <p>This bill would allocate \$25 million from an unspecified source to the MCWR Agency for the purpose of constructing a water conveyance tunnel between Lake Nacimiento and Lake San Antonio to reduce flooding, maximize runoff capture and reduce saltwater intrusion.</p>	<p>Watch</p>	<p>Introduced: 1/6/16</p> <p>Referred to Com. on W, P, & W on 2/9/16</p> <p>Calendar: 3/29/16 @ 9am – Rm 437 - Com. on W, P, & W</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>SB 1264 (Cannella R) Monterey County Water Resources Agency: Salinas River System.</i></p> <p>RWA Interest: This one is simply an earmark question. It probably doesn't have much of a chance of getting signed into law. Does RWA take stances on earmark matters? To be determined after further direction from the Executive Committee.</p> <p>Would appropriate \$1,000,000 from the General Fund to the Monterey County Water Resources Agency, for use in the Salinas River, to assist in the removal of excess vegetation and trash, increase efficiency of instream flow using sediment and vegetation management strategies, and support the development and implementation of long-term management policies.</p>	Watch	<p>Introduced: 2/18/16</p> <p>May be acted upon on or after 3/20/16</p>
<p><i>SB 1294 (Pavley D) The California Community Climate, Drought, and Jobs Resiliency Act.</i></p> <p>RWA Interest: At face value, RWA agencies could benefit from this bill as it specifically states that in awarding grants, the Department of Resources Recycling and Recovery shall give priority to projects that would aid urban canopies at the greatest risk from drought. The bill does not indicate where the funding would come from so, RWA should keep an eye on this for potential PGC language.</p> <p>Would require the Department of Resources Recycling and Recovery to award grants to local conservation corps certified by the California Conservation Corps for projects that improve the climate and drought resiliency of urban canopies, community landscaping, and urban greening efforts through the use of various water conservation methods, including the application of compost and mulch.</p>	Watch	<p>Introduced: 2/19/16</p> <p>May be acted upon on or after 3/23/16</p> <p>Calendar: 3/29/16 @ 9am – Rm. 112 – Com. on NR & W</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 1587 (Mathis R) Groundwater: subsidence abatement.</i></p> <p>RWA Interest: Two things, first is the “earmark” issue and second is the proposal to streamline groundwater recharge during droughts and floods.</p> <p>This bill contains two provisions of interest. The first issue is a provision that would appropriate \$50M of the \$100M authorized in Prop 1 for groundwater resource planning for those projects that would create groundwater recharge basins in areas of fallow farmland.</p> <p>The second provision would prohibit, during a Governor declared drought or flood emergency, the State Board from requiring a permit to recharge groundwater if the water may be diverted and used without injury to a lawful user of water, and the water may be diverted and used without unreasonable effect on other beneficial uses.</p> <p>ACWA “Not Favor” because the \$50M appropriation is an amendment to Prop. 1.</p>	Watch	<p>Introduced: 1/6/16</p> <p>Referred to Com. on W, P, & W on 2/1/16</p> <p>Amended and re-refer to Com. on W., P., & W. Read second time and amended on 2/24/16</p>
<p><i>AB 1588 (Mathis R) Water and Wastewater Loan and Grant Program.</i></p> <p>RWA Interest: This bill offers an alternative source of funding (i.e., the General Fund) for low income assistance programs. Consistent with our “Public Goods Policy”.</p> <p>This bill would require the State Board to establish a program to provide low-interest loans and grants to eligible, low income homeowners for specified purposes related to drinking water and wastewater treatment. Creates the “Water and Wastewater Loan and Grant Fund” and provides \$20M from the General Fund, upon appropriation by the Legislature, to the State Board for the program.</p>	Watch	<p>Introduced: 1/6/16</p> <p>Referred to Com. on W, P, & W on 2/1/16</p> <p>Calendar: 3/29/16 @ 9am – Rm 437 - Com. on W, P, & W</p>
<p><i>AB 1589 (Mathis R) California Environmental Quality Act: exemption.</i></p> <p>RWA Interest: This bill provides CEQA exemption for projects that are undertaken, carried out, or approved by a public agency to mitigate the effects of, or conditions caused by, drought, fire, or flood. This exemption would only apply while a state of emergency due to drought, fire, or flood is in effect though it would potentially apply to construction of new, long-term facilities as well as replacement and repair of existing facilities.</p> <p>ACWA favors but doubts CEQA reform bills have much of a chance of passing.</p>	Watch	<p>Introduced: 1/6/16</p> <p>Referred to Com. on NR on 2/1/16</p> <p>Amended and re-ref to Com. on NR on 2/24/16</p>

Regional Water Authority – Legislative Hot List - 2016

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RWA – Hot Bill Legislation (New Bills)	Position	Status
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<p><i>AB 1585 (Alejo D) Monterey County Water Resources Agency: Lake Nacimiento and Lake San Antonio</i></p> <p>RWA Interest: For consideration, does RWA want to take positions on earmark funding issues?</p> <p>This bill would allocate \$25 million from an unspecified source to the MCWR Agency for the purpose of constructing a water conveyance tunnel between Lake Nacimiento and Lake San Antonio to reduce flooding, maximize runoff capture and reduce saltwater intrusion.</p>	<p>Watch</p>	<p>Introduced: 1/6/16</p> <p>Referred to Com. on W, P, & W on 2/9/16</p> <p>Calendar: 3/29/16 @ 9am – Rm 437 - Com. on W, P, & W</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 1716 (McCarty D) Lower American River Conservancy</i></p> <p>RWA Interest: The LAR Conservancy would include local representation plus State officials including, Secretary of the Natural Resources Agency, and the directors of Finance, Fish and Wildlife, and Parks and Recreation. Also would include appointees from the Governor, Senate Rules Committee, and the Assembly Speaker. Should we advocate for a spot for Water Forum?</p> <p>This bill would establish in the Natural Resources Agency the Lower American River Conservancy to receive and expend proceeds from bonds or other appropriations for the benefit of the American River Parkway. The bill would create the LAR Conservancy Fund in the State Treasury, and would specify that moneys in the fund shall be available, upon appropriation, for the purposes of the conservancy.</p>	Watch	<p>Introduced: 1/27/16</p> <p>Referred to Com on NR on 2/18/16</p> <p>More follow up with McCarty's office.</p> <p>If assured this won't conflict or compete with water supply efforts, will consider a support position</p> <p>Calendar: 4/4/16 @ 1:30pm Rm. 447 – Com. on NR</p>
<p><i>AB 1749 (Mathis R) California Environmental Quality Act: exemption: recycled water pipelines.</i></p> <p>RWA Interest: As noted by ACWA, the original bill was part of the Trailer Bill process (SB 88) that included the water system consolidation issue. RWA was opposed to both the TB process and the consolidation component of SB 88. The bill itself is helpful.</p> <p>This bill extends the sunset of a CEQA exemption for construction of recycled water pipelines and related infrastructure, including related groundwater replenishment projects, from January 2017 to January 2022.</p> <p>While extension of CEQA exemption seems like something RWA could easily support, do we want to take a stand on the Trailer Bill process?</p>	Support	<p>Introduced: 2/2/16</p> <p>Referred to Com on NR on 2/18/16</p> <p>Calendar: 3/14/16 @ 3pm – Rm. 447 – Com. on NR</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 1590 (Mathis R) State Water Resources Control Board: appointments.</i></p> <p>RWA Interest: Probably a good one to stay out of as this bill proposes to add four members to the State Board to be appointed by the Legislature. In other words, would neutralize the Governor's appointments.</p> <p>ACWA Legislative Committee voted to "Not Favor" for political reasons.</p>	Watch	<p>Introduced: 1/6/16</p> <p>Referred to Com. on W, P, & W on 2/1/16</p> <p>Amended and re-ref to Com. on W, P, & W on 2/24/16</p> <p>Calendar: 3/29/16 @ 9am – Rm 437 - Com. on W, P, & W</p>
<p><i>AB 1647 (Waldron R) Environmental quality: water storage facilities.</i></p> <p>RWA Interest: This bill provides a CEQA exemption for projects to expand the storage capacity of an existing surface water storage facility, or to replace an existing surface water storage facility, that is owned and operated by a public entity if that public entity adopts, by resolution, findings and declarations that the project meets specified criteria.</p> <p>Need to watch because could amend into a shortcut to water storage detrimental to RWA.</p>	Watch	<p>Introduced: 1/12/16</p> <p>Referred to Com on NR on 2/4/16</p> <p>Calendar: 3/14/16 @ 3pm – Rm 447 – Com on NR</p>
<p><i>AB 1649 (Salas D) Water Quality, Supply, and Infrastructure Improvement Act of 2014: water storage projects.</i></p> <p>RWA Interest: The bill attempts to confirm the commitment of the Legislature to ensure Prop 1 funding and construction of qualified, surface water storage projects. Importantly, it also greases the skids for Temperance Flat Dam and Sites Reservoir which could probably be considered earmarks and a change to Prop 1's intent of having qualified projects compete for funding.</p> <p>While these reservoirs are consistent with RWA priorities and principals related to "Statewide Balanced Management Solutions Beneficial to the Greater Sacramento Region", they may be counter to our stance on "earmarks".</p>	Watch	<p>Introduced: 1/12/16</p> <p>This bill and AB 2551 (Gallagher) may be combined. Soyla to follow up and report back.</p> <p>No change in position at this time.</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 1989 (Jones R) Drought: water supply.</i></p> <p>RWA Interest: This is included as a “hot list” watch item as it has some potential to be amended along the lines of the RWA long term conservation proposal and PCWA’s legislation.</p> <p>Would require the DWR and the State Board, by ____, to prepare and submit to the Legislature a report that includes recommendations relating to drought preparedness. The bill would require the department and the board to conduct an annual survey of public and private water suppliers relating to water supply reliability in the event of a drought.</p>	Watch	<p>Introduced: 2/16/16</p> <p>Referred to Com. on W, P, & W on 2/25/16</p> <p>Calendar: 3/29/16 @ 9am – Rm. 437 – Com. on W, P & W</p>
<p><i>AB 2040 (Melendez R) Outdoor Water Efficiency Act of 2016: personal income tax credits: outdoor water efficiency.</i></p> <p>RWA Interest: A tax credit for water efficiency improvements that would be consistent with RWA Priority Issues and Policy Principles. However, the bill would require local agency involvement.</p> <p>This bill, for taxable years beginning on or after January 1, 2017, and before January 1, 2022, would allow a credit equal to 25% of the amount paid or incurred by a qualified taxpayer for water-efficiency improvements, as defined, on qualified real property in this state, as specified.</p>	Watch	<p>Introduced: 2/17/16</p> <p>Referred to Com. on Rev and Tax on 2/29/16</p>
<p><i>AB 2099 (Stone, Mark D) Safe drinking water assistance program.</i></p> <p>RWA Interest: In its current form, this bill hits the mark by providing assistance to low income households without depending on a PGC on water ratepayers. The bill specifically requires the State Department of Social Services to establish a safe drinking water assistance program and fund it with existing resources. We need to keep an eye on it for amendments that would utilize a PGC. AB 2099 provides temporary relief to struggling families who live in homes with inadequate drinking water supplies by offsetting the cost of purchasing water during the interim wait for long-term water supply infrastructure upgrades. The measure allows impoverished families who live in a community or home with insufficient, contaminated, or otherwise unsafe drinking water supplies to access a small supplemental cash benefit for purchasing water.</p>	Watch	<p>Introduced: 2/17/16</p> <p>Referred to Coms. on HUM. S. and E.S. & T.M. on 2/29/16</p> <p>Calendar: 3/29/16 @ 1:30pm – Rm. 437 – Com on Human Services</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p>AB 1755 (Dodd D) The Open and Transparent Water Data Act.</p> <p>RWA Interest: As the title implies, this bill is attempting to upgrade the State’s collection, management, and transparency of water data, including pending and previous water transfer information. But, the bill includes provisions that the State Board consider, among other things adopting a policy that requires more frequent monitoring and reporting from water right holders and to set and make public other water allocation priorities and quantities for wet, average, and dry periods for the environment and public health and safety. (Update 3/8/16 – amendments have removed the above provisions). Recommend that RWA work through ACWA on this and AB 2304 (Levine).</p> <p>This bill would enact the Open and Transparent Water Data Act. The act would require the department to establish a public benefit corporation that would create and manage (1) a statewide water information accounting system to improve the ability of the state to meet the growing demand for water supply reliability and healthy ecosystems, that, among things, would integrate existing water data information from multiple databases and (2) an online water transfer information clearinghouse for water transfer information that would include, among other things, a database of historic water transfers and transfers pending responsible agency approval and a public forum to exchange information on water market issues.</p>	<p>WATCH</p>	<p>Introduced: 2/2/16</p> <p>Referred to Com on W, P, & W on 2/18/16</p> <p>Follow up with Dodd's office and do other follow up work to determine recommended RWA position and involvement on this bill.</p> <p>Amended by Author on 3/1/16</p>
<p>AB 1925 (Chang R) Desalination: statewide goal.</p> <p>RWA Interest: One of several desalination related bills. This one would establish annual production goals for 2025 and 2030. This would be consistent with RWA Priorities and Policy Principles if increased use of desalination by exporters reduce dependency on Delta supplies, as it should,</p> <p>If desalination in the State does become more of a priority, RWA will need to keep an eye on funding sources and assure that the beneficiary pays principles are upheld.</p>	<p>Watch</p>	<p>Introduced: 2/12/16</p> <p>Referred to Com. on W, P, & W on 2/25/16</p> <p>Calendar: 3/29/16 @ 9am - Rm. 437 – Com. on W, P & W</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><u>AB 2525 (Holden D)</u> Water-efficient landscaping.</p> <p>RWA Interest: This bill would encourage local agencies to incentivize water efficient landscapes. It also creates the Water Efficient Landscaping Fund that provides funding for turf replacement and other water efficiency measures for low-income and disadvantaged communities. It appears RWA agencies would not be eligible for these funds. The presumption is the Fund would be part of a PGC.</p> <p>Would require the DWR to create the California Water Efficient Landscaping Program for the purpose of encouraging local agencies and water purveyors to use economic incentives that promote the efficient use of water, promote the benefits of consistent landscape ordinances, and support and enhance turf replacement. This bill would create the Water Efficient Landscaping Fund and provide that moneys in the fund are available, upon appropriation by the Legislature, to the department for certain purposes.</p>	Watch	<p>Introduced: 2/19/16</p> <p>Calendar: 3/29/16 @ 9am – Rm. 437 – Com. on W, P, & W</p>
<p><u>AB 2550 (Patterson R)</u> State Water Resources Control Board: instream flow curtailments: compensation.</p> <p>RWA Interest: – This bill makes an aggressive point about the impacts of prioritizing in-stream flows during a drought at the expense of human needs. This bill takes on the State Board by requiring a fiscal compensation per acre-foot for water that is authorized under a permit or license due to a board-issued in-stream flow curtailment. It is not likely to go anywhere and we may consider moving it off the “hot list”.</p> <p>Would require the State Board to financially compensate a person who is unable to divert the full amount of water authorized under his or her permit or license due to a board-issued instream flow curtailment, and a person who is required to file a statement of diversion and use and is unable to divert the same amount of water in the succeeding year due to a board-issued instream flow curtailment. The bill would only apply this requirement to instream flow curtailments issued by the board on and after January 1, 2017.</p>	Watch	<p>Introduced: 2/19/16</p> <p>Calendar: 3/29/16 @ 9am – Rm. 437 – Com. on W, P & W</p>
<p><u>AB 2551 (Gallagher R)</u> Surface storage: design-build contracts.</p> <p>RWA Interest: This is pretty much a spot bill and it will be recommended that it be taken off the “hot list”.</p> <p>Would authorize certain surface storage projects that receive Proposition 1 funding to use the design-build method of project delivery.</p>	Watch	<p>Introduced: 2/19/16</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 2304 (Levine D) California Water Market Exchange.</i></p> <p>RWA Interest: This bill attempts to do a lot in managing water transfers. Key concerns for RWA include 1) the establishment of the Ca. Water Market Exchange, a 5-member board, four appointed by the Governor; 2) would this be funded by a PGC? and 3) provisions that might limit an “open market” for transfers. Recommend that RWA work through ACWA on this and AB 1755 (Dodd).</p> <p>Would establish the California Water Market Exchange, governed by a 5-member board, in the Natural Resources Agency. This bill would require the market exchange, on or before December 31, 2017, to create a centralized water market platform on its Internet Web site that provides ready access to information about water available for transfer or exchange.</p>	Watch	<p>Introduced: 2/18/16</p> <p>May be heard in committee on 3/20/16</p>
<p><i>AB 2480 (Bloom D) Source watersheds: maintenance and repair.</i></p> <p>RWA Interest: The stipulation that source watersheds would be eligible for financing on an equivalent basis with other water infrastructure may mean this “spot bill” will become another vehicle for a PGC. RWA should keep an active eye on this bill.</p> <p>Would declare it to be state policy that source watersheds are recognized and defined as integral components of California's water system. The bill would also declare that their maintenance and repair are eligible for financing on an equivalent basis with other water collection and treatment infrastructure.</p>	Watch	<p>Introduced: 2/19/16</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>SB 814 (Hill D) Drought: excessive water use: urban retail water suppliers.</i></p> <p>RWA Interest: SB 814 will require both public and private urban retail water suppliers that directly provide potable municipal water to more than 3,000 users – to levy fines against excessive water users and define.</p> <p>The bill prohibits excessive water use and requires water suppliers to assess a penalty of at least \$500 on residential water customers for every hundred cubic feet used above an “excessive use definition”.</p> <p>Would require water providers to:</p> <ul style="list-style-type: none"> • Establish an ordinance or rule to create a definition of excessive use based on local conditions and declare that excessive use is a waste or unreasonable use of water. • Assess fines on residential customer’s water bills. • Have a process for non-payment. • Have an appeal process for assessed fines. 	OPPOSE	<p>Introduced: 1/4/16</p> <p>Referred to Coms. on NR&W and JUD on 1/28</p> <p>Amendment Pending</p> <p>CMUA and ACWA both working on amendments.</p> <p>Soyla will schedule meeting with Hill or staff to find out willingness to amend.</p> <p>Calendar: 3/29/16 @ 9am – Rm. 112 – Com. on NR & W</p>
<p><i>SB 919 (Hertzberg D) Water supply: creation or augmentation of local water supplies.</i></p> <p>RWA Interest: SB 919 is attempting to encourage more recycled water and desalination by cost-effectively tapping into oversupplies of renewable energy. ACWA concludes that the existing language discourages inter-regional transfers and is anti-robust water market. ACWA’s position at this point is a “Favor if Amended”</p> <p>SB 919 requires the Public Utilities Commission to develop a special time of use rate for entities that augment local water supply through recycling, brackish desalting, or desalination. The bill also requires the Commission to adopt other policies that address the issue of oversupply.</p>	Watch	<p>Introduced: 1/27/16</p> <p>Referred to Coms. on E., U., & C. and N.R. & W. on 2/4/16</p> <p>Amended on 3/7/16</p> <p>Calendar: 3/29/16 @ 9:30am – Rm. 3191 – Com. on Energy, Utilities & Comm</p>
<p><i>SB 1233 McGuire D) Joint powers authorities: Water Bill Savings Act.</i></p> <p>RWA Interest: Pending review</p> <p>SB 1233 will provide local governments and disadvantaged communities the necessary tools to fund water savings projects for customers who voluntarily participate, thus helping the state achieve its continued goals of reducing water us.</p>	Watch	<p>Introduced: 2/18/16</p> <p>May be acted upon on or after 3/20/16</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>AB 2601 (Eggman D) Building standards: residential property: graywater.</i></p> <p>RWA Interest: This bill is included because of the potential impact to and/or concern of local agencies dealing with grey water systems. The bill amends the building standards to mandate grey water infrastructure be included in all new residential units.</p> <p>Would require the Department of Housing and Community Development, on or after January 1, 2017, to adopt and submit to the California Building Standards Commission for approval amendments to the building standards that require all new single-family and duplex residential dwelling units include specified components to allow the separate discharge of graywater for direct irrigation and that all new single-family residential dwelling units include a segregated building drain for lavatories, showers, and bathtubs to allow for future installation of a distributed graywater system.</p>	Watch	Introduced: 2/19/16
<p><i>ACA 8 (Bloom D) Local government financing: water facilities and infrastructure: voter approval.</i></p> <p>RWA Interest: This measure attempts to add a tool to the toolbox water agencies can use for funding needed infrastructure projects. Specifically, it would exempt bonds sold for purposes of funding water related infrastructure projects from the 1% property tax limit and it would lower the voter approval threshold for such bonds from 2/3 of voters to 55% of voters.</p> <p>Would create an additional exception to the 1% limit for a rate imposed by a city, county, city and county, or special district to service bonded indebtedness incurred to fund the construction, reconstruction, rehabilitation, or replacement of wastewater treatment facilities and related infrastructure, potable water producing facilities and related infrastructure, nonpotable water producing facilities and related infrastructure, and stormwater treatment facilities and related infrastructure, that is approved by 55% of the voters of the city, county, city and county, or special district, as applicable, if the proposition meets specified requirements, and would authorize a city, county, city and county, or special district to levy a 55% vote ad valorem tax.</p>	Watch	<p>Introduced: 2/19/16</p> <p>This bill still needs to be carefully reviewed but indications are that it is favorable and worth a support position.</p> <p>Soyla to get more information from Bloom's office. Dave to further review.</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>SB 1264 (Cannella R) Monterey County Water Resources Agency: Salinas River System.</i></p> <p>RWA Interest: This one is simply an earmark question. It probably doesn't have much of a chance of getting signed into law. Does RWA take stances on earmark matters? To be determined after further direction from the Executive Committee.</p> <p>Would appropriate \$1,000,000 from the General Fund to the Monterey County Water Resources Agency, for use in the Salinas River, to assist in the removal of excess vegetation and trash, increase efficiency of instream flow using sediment and vegetation management strategies, and support the development and implementation of long-term management policies.</p>	Watch	<p>Introduced: 2/18/16</p> <p>May be acted upon on or after 3/20/16</p>
<p><i>SB 1294 (Payley D) The California Community Climate, Drought, and Jobs Resiliency Act.</i></p> <p>RWA Interest: At face value, RWA agencies could benefit from this bill as it specifically states that in awarding grants, the Department of Resources Recycling and Recovery shall give priority to projects that would aid urban canopies at the greatest risk from drought. The bill does not indicate where the funding would come from so, RWA should keep an eye on this for potential PGC language.</p> <p>Would require the Department of Resources Recycling and Recovery to award grants to local conservation corps certified by the California Conservation Corps for projects that improve the climate and drought resiliency of urban canopies, community landscaping, and urban greening efforts through the use of various water conservation methods, including the application of compost and mulch.</p>	Watch	<p>Introduced: 2/19/16</p> <p>May be acted upon on or after 3/23/16</p> <p>Calendar: 3/29/16 @ 9am – Rm. 112 – Com. on NR & W</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>SB 1262 (Pavley D) Water supply planning.</i></p> <p>RWA Interest: This bill, along with a few others, including SB 1263, SB 1317, and SB 1318 all take strides towards more State Board control and seem to also further define the water system consolidation requirements put into law last year through the Trailer Bill process, specifically SB 88.</p> <p>SB 1262, in conjunction with SB 1263 builds on the administration’s Affordable Safe Drinking Water Initiative to update the “show me the water” bills from 2012 (SB 610 and SB 221) as follows:</p> <ul style="list-style-type: none"> • Integrates GSA’s and consideration of groundwater sustainability plans into water supply and land use planning. • Prohibits use of groundwater to supply new development if the groundwater basin has been deemed out of compliance with SGMA (i.e., is “probationary”) • Prohibits the use of hauled water • Creates a process to discourage creation of new water systems when it is geographically and economically feasible to connect to an existing system 	<p>WATCH</p>	<p>Introduced: 2/18/16</p> <p>May be acted upon on or after 3/20/16</p> <p>Calendar: 3/29/16 @ 9am – Rm. 112 – Com. on NR & W</p>
<p><i>SB 1263 (Wieckowski D) Public water system: permits.</i></p> <p>RWA Interest: This bill, along with a few others, including SB 1262, SB 317, and SB 318 all take strides towards more State Board control and seem to also further define the water system consolidation requirements put into law last year through the Trailer Bill process, specifically SB 88.</p> <p>Also, there is no definition of “new public water system” in the bill.</p> <p>SB 1263 would commencing January 1, 2017, prohibit an application for a permit for a new public water system from being deemed complete unless the applicant has submitted a preliminary technical report to the State Board and would allow the State Board to impose technical, financial, or managerial requirements on the permit.</p>	<p>WATCH</p>	<p>Introduced: 2/18/16</p> <p>May be acted upon on or after 3/20/16</p>

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>SB 1440 (Cannella R) Environmental quality: Water Quality, Supply, and Infrastructure Improvement Act of 2014.</i></p> <p>RWA Interest: A bill seeking to limit CEQA related delays for impeding storage projects funded through Prop 1.</p> <p>For certain water storage projects funded, in whole or in part, by Proposition 1, the bill would authorize the lead agency to concurrently prepare the record of proceedings for the project and limits the time. The bill would require the Judicial Council, on or before July 1, 2017, to adopt a rule of court to establish procedures applicable to actions or proceedings seeking judicial review of a lead agency's action in certifying the environmental impact report and in granting approval for those projects that require the actions or proceedings, including any appeals therefrom, be resolved, to the extent feasible, within 370 days of the certification of the record of proceedings. The bill would prohibit a court from staying or enjoining those projects unless it makes specified findings.</p>	Watch	<p>Introduced: 2/19/16</p> <p>May be acted upon on or after 3/23/16</p>

Version 1.b of Hot List Summary – includes review by DB through March 11, 2016. (Removed from Hot List – AB 1882, AB 2583, AB 2617, and AB 2722)

RWA – Hot Bill Legislation (New Bills)	Position	Status
<p><i>SB 1317 (Wolk D) Conditional use permit: groundwater extraction facility.</i></p> <p>RWA Interest: This bill will require local agencies to issue permits for groundwater wells unless they adopt an ordinance regulating the installation of groundwater wells before July 1, 2017.</p> <p>Would, by July 1, 2017, require a city or county overlying a basin designated as a high- or medium-priority basin to establish a process for the issuance of conditional use permits for the development of a groundwater extraction facility in order to prevent a new groundwater extraction facility from contributing to or creating an undesirable result, as prescribed.</p>	<p>OPPOSE</p>	<p>Introduced: 2/19/16</p> <p>May be acted upon on or after 3/23/16</p> <p>Soyla will schedule meetings with Wolk's staff.</p> <p>LSP would like to find way to recommend a support position. Consider amendments limiting this bill to private wells and, possibly to critically overdraft gw basins only</p> <p>Calendar: 3/29/16 @ 9am – Rm. 112 – Com. on NR & W</p>
<p><i>SB 1318 (Wolk D) Local government: drinking water infrastructure or services: wastewater infrastructure or services.</i></p> <p>RWA Interest: This bill is another step towards mandatory consolidations.</p> <p>Senate Bill 1318 ensures that disadvantaged communities secure access to safe and affordable drinking water and wastewater services. Specifically, this bill requires cities and special districts to make water and wastewater services available to existing communities within or adjacent to their spheres of influence prior to annexing more land or extending services for new development.</p>	<p>OPPOSE</p>	<p>Introduced: 2/19/16</p> <p>May be acted upon on or after 3/23/16</p> <p>Calendar: 3/30/16 @ 9:30a Rm. 112 – Com. on Gov & Fin</p>
<p><i>SB 1340 (Wolk D) Water Conservation in Landscaping Act</i></p> <p>RWA Interest: SB 1340 incorporates a requirement for the permitting of stand-alone irrigation installations for commercial and large residential landscapes into the Water Conservation and Landscaping Act. This is definitely an added workload on local agencies but it does address a potential problem area. RWA may want to consider a "Support" position.</p> <p>SB 1340 would add to the model water efficient landscape ordinance a permit requirement for the installation, expansion, or replacement of specified automatic irrigation systems for a landscape project on or after July 1, 2017. The bill would allow the governing body of a local agency to adopt an ordinance prescribing fees for filing an application for the permit.</p>	<p>Watch</p>	<p>Introduced: 2/19/16</p> <p>May be acted upon on or after 3/23/16</p>

Attachment B

2016 RWA Low Priority Bills

3/16/2016

- AB 1586** *(Mathis R) California Environmental Quality Act: Temperance Flat Reservoir.*
Summary: The California Environmental Quality Act establishes a procedure by which a person may seek judicial review of the decision of the lead agency made pursuant to the act. This bill would prohibit the court, in an action or proceeding alleging a violation of the act, from staying or enjoining the construction or operation of the Temperance Flat Reservoir unless the court makes certain findings. This bill contains other related provisions.
- AB 1683** *(Eggman D) Alternative energy financing.*
Summary: The California Alternative Energy and Advanced Transportation Financing Authority Act authorizes, until January 1, 2021, the California Alternative Energy and Advanced Transportation Financing Authority to provide financial assistance in the form of a sales and use tax exclusion for projects, including those that promote California-based manufacturing, California-based jobs, advanced manufacturing, the reduction of greenhouse gases, or the reduction in air and water pollution or energy consumption. The act prohibits the sales and use tax exclusions from exceeding \$100,000,000 for each calendar year. This bill would instead prohibit the sales and use tax exclusions from exceeding \$200,000,000 for each calendar year.
- AB 1694** *(Lackey R) State Water Resources Control Board: grant program for school drinking water.*
Summary: Would require the State Water Resources Control Board to establish a grant program to award grants to public elementary and secondary schools to improve access to, and the quality of, drinking water. The bill would specify various types of projects for which these grants could be awarded. The bill would require the state board to give priority to applicant public elementary and secondary schools that serve a disadvantaged community, as defined.
- AB 1704** *(Dodd D) Water rights.*
Summary: Current law requires applicants for appropriation of water for small domestic, small irrigation, or livestock stockpond use to register with the State Water Resources Control Board, as specified. Current law requires the registration to include a certification that the registrant has contacted a representative of the Department of Fish and Wildlife and has agreed to comply with conditions set forth by the Department of Fish and Wildlife. This bill would, instead, require the registrant to provide a copy of the registrant's registration form to the Department of Fish and Wildlife and agree to general conditions, as specified.
- AB 1713** *(Eggman D) Sacramento-San Joaquin Delta: peripheral canal.*
Summary: Current law requires various state agencies to administer programs relating to water supply, water quality, and flood management in the Sacramento-San Joaquin Delta. The bill would prohibit the construction of a peripheral canal, as defined, unless expressly authorized by an initiative voted on by the voters of California on or after January 1, 2017, and would require the Legislative Analyst's Office to complete a prescribed economic feasibility analysis prior to a vote authorizing the construction of a peripheral canal.
- AB 1738** *(McCarty D) Building Standards: Dark Graywater.*
Summary: Would define "dark graywater" as a specified wastewater that comes from kitchen sinks and dishwashers. This bill would require the Department of Housing and Community Development, at the next triennial building standards rulemaking cycle, to adopt and submit for approval building standards for the construction, installation, and alteration of dark graywater systems for indoor and outdoor uses. This bill contains other existing laws.
- AB 1815** *(Alejo D) California Global Warming Solutions Act of 2006: disadvantaged communities.*
Summary: Current law requires the California Environmental Protection Agency to identify disadvantaged communities and requires the Department of Finance, in consultation with the State Air Resources Board and any other relevant state agency, to develop, as specified, a 3-year investment plan for the moneys deposited in the Greenhouse Gas Reduction Fund. Current law requires the 3-year investment plan to allocate a minimum of 25% of the available moneys in the fund to projects that provide benefits to disadvantaged communities. Would require the agency to prepare and post on its Internet Web site a specified report on the projects funded to benefit disadvantaged communities.

- AB 1841** *(Irwin D) Office of Emergency Services: duties: cybersecurity.*
Summary: Would require the Office of Emergency Services to develop and transmit to the Legislature a state-wide emergency services response plan for cybersecurity attacks on critical infrastructure systems, as defined. The bill would further require the office to develop a comprehensive cybersecurity strategy setting standards for state agencies, as defined, and private entities to prepare for cybersecurity attacks on critical infrastructure systems. The bill would require state agencies, and authorize private entities, to report its cybersecurity strategy to the office.
- AB 1842** *(Levine D) Water: pollution: fines.*
Summary: Current law imposes a maximum civil penalty of \$25,000 on a person who discharges various pollutants or other designated materials into the waters of the state. This bill would impose an additional civil penalty of not more than \$10 for each gallon or pound of polluting material discharged. The bill would require that the civil penalty be reduced for every gallon or pound of the illegally discharged material that is recovered and properly disposed of by the responsible party.
- AB 1866** *(Wilk R) High-speed rail bond proceeds: redirection: water projects.*
Summary: Would provide that no further bonds shall be sold for high-speed rail purposes pursuant to the Safe, Reliable High-Speed Passenger Train Bond Act for the 21st Century, except as specifically provided with respect to an existing appropriation for high-speed rail purposes for early improvement projects in the Phase 1 blended system. The bill, subject to the above exception, would require redirection of the unspent proceeds received from outstanding bonds issued and sold for other high-speed rail purposes prior to the effective date of these provisions, upon appropriation, for use in retiring the debt incurred from the issuance and sale of those outstanding bonds.
- AB 1871** *(Waldron R) Desalination.*
Summary: Would provide that it is the intention of the Legislature that when a state agency considers an application relating to desalination that the agency, when considering alternatives, should consider the cost of those alternatives in order to ensure that project financing does not become significantly more expensive or difficult.
- AB 1928** *(Campos D) Water efficiency: landscape irrigation equipment.*
Summary: Would postpone the date by which the State Energy Resources Conservation and Development Commission is to adopt the performance standards and labeling requirements for landscape irrigation controllers and moisture sensors to January 1, 2018, and would prohibit, on and after January 1, 2020, the sale of that equipment unless it meets the performance standards and labeling requirements. The bill would additionally require the commission, in adopting those standards and requirements, to consider developments in landscape irrigation efficiency occurring on or after January 1, 2010.
- AB 2022** *(Gordon D) Advanced purified demonstration water.*
Summary: Would authorize the operator of a facility producing advanced purified demonstration water, as defined, to cause that water to be bottled and distributed as samples for educational purposes and to promote water recycling. The bill would prohibit the advanced purified demonstration water from being distributed unless the water meets or is superior to all federal and state drinking water standards. The bill would authorize advanced purified demonstration water to be bottled at a licensed water-bottling plant in compliance with specified provisions.
- AB 2042** *(Harper R) Water desalination facilities.*
Summary: Would declare the intent of the Legislature to enact legislation relating to water desalination facilities.
- AB 2043** *(Harper R) Desalination.*
Summary: Would state that the Legislature recognizes that desalination is an important local and regional sustainable water supply and reliability option.
- AB 2076** *(Garcia, Cristina D) Water recycling: beer and wine.*
Summary: Current law requires the State Water Resources Control Board to establish uniform statewide recycling criteria for each varying type of use of recycled water where the use involves the protection of public health. This bill would require the board to adopt uniform water recycling criteria for the use of recycled water in the manufacture of beer and wine.
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- AB 2139** ***(Williams D) State Water Resources Control Board: California Ocean Plan.***
Summary: The Porter-Cologne Water Quality Control Act requires the State Water Resources Control Board to formulate and adopt state policies for water quality control and to formulate and adopt, and review at least every 3 years, a water quality control plan for the ocean waters of the state known as the California Ocean Plan. This bill would require the state board, on or before January 1, 2018, to either amend the plan or adopt separate standards to address water quality objectives and effluent limitations that specifically relate to carbon dioxide and pH levels within the state's coastal waters.
- AB 2168** ***(Williams D) Public Utilities Commission Audit Compliance Act of 2016.***
Summary: The Public Utilities Act requires the Public Utilities Commission to inspect and audit the books and records of electrical corporations, gas corporations, heat corporations, telegraph corporations, telephone corporations, and water corporations for regulatory and tax purposes. This bill, which would be known as the Public Utilities Commission Audit Compliance Act of 2016, would delete the requirement that the reports of the inspections and audits and other pertinent information be furnished to the State Board of Equalization for use in the assessment of the public utilities and instead would require the commission to post reports of the inspections and audits and other pertinent information on its Internet Web site.
- AB 2198** ***(Brough R) Coastal development permits: desalinization facilities.***
Summary: The California Coastal Act of 1976 requires any person wishing to perform or undertake any development in the coastal zone, as defined, to obtain a coastal development permit, except as specified, from the California Coastal Commission or from a local government. This bill would require an application for a coastal development permit for a desalinization project, as described, to be given priority for review, and would require the issuing agency to expedite the processing of any such permit application.
- AB 2373** ***(Gray D) Merced Irrigation District***
Summary: The Irrigation District Law provides for the formation of irrigation districts with prescribed powers, including acting to put to any beneficial use any water under the district's control. This bill would appropriate \$45,000 from the General Fund to the Merced Irrigation District for implementing irrigation and water use efficiency strategies for small communal farms in the County of Merced. This bill contains other related provisions.
- AB 2438** ***(Waldron R) California Environmental Quality Act: exemption: recycled water pipelines.***
Summary: Would, until January 1, 2020, additionally exempt from CEQA a project for the construction and installation of a new pipeline or the maintenance, repair, restoration, reconditioning, relocation, replacement, removal, or demolition of an existing pipeline, not exceeding 8 miles in length, for the distribution of recycled water within a public street, highway, or right-of-way and would require the lead agency to undertake specified activities, including the filing of a notice of exemption for the project with the Office of Planning and Research and the office of the county clerk of each county in which the project is located.
- AB 2444** ***(Garcia, Eduardo D) California Water Quality, Coastal Protection, and Outdoor Access Improvement Act of 2016.***
Summary: Would declare the intent of the Legislature to enact the California Water Quality, Coastal Protection, and Outdoor Access Improvement Act of 2016, which would authorize the issuance of bonds to finance a water quality, coastal protection, and outdoor access improvement program.
- AB 2446** ***(Gordon D) Natural resources: protection.***
Summary: Current law declares that resource conservation is of fundamental importance to the prosperity and welfare of the people of this state. This bill would declare the intent of the Legislature to enact legislation that would protect the state's land and water resources.
- AB 2534** ***(Nazarian D) Los Angeles River.***
Summary: Would declare the intent of the Legislature to enact legislation to promote the revitalization of the Los Angeles River.
- AB 2617** ***(Maves R) Water efficiency measures.***
Summary: Would require the Energy Commission to develop and solicit comments on a proposed report, in consultation with certain subject matter experts, by December 1, 2017, and, by July 1, 2018, to issue a final report that contains, among other things, the projected benefits of recommended voluntary water efficiency measures and an analysis of any unintended adverse environmental impacts that would result from various water efficiency measures.

- AB 2722** ***(Burke D) Transformative Climate Communities Program.***
Summary: Would create the Transformative Climate Communities Program, to be administered by the Strategic Growth Council. The bill would appropriate \$250,000,000 from the Greenhouse Gas Reduction Fund to the council to administer the program. The bill would require the council, in coordination with the California Environmental Protection Agency Assistant Secretary for Environmental Justice and Tribal Affairs, to award competitive grants to specified eligible entities for transformative climate community plans in disadvantaged communities, as defined.
- SB 930** ***(Gaines R) Bear Lake Reservoir: recreational use.***
Summary: Current law requires the Lake Alpine Water Company, on or before January 1, 2016, to file with the Legislature a report on the recreational uses at Bear Lake Reservoir and the water treatment program for that reservoir. Current law provides that, upon a finding of noncompliance, the Lake Alpine Water Company could be subject to suspension, amendment, or revocation of any permit issued pursuant to specified provisions, and that failure to comply with these provisions would be deemed a violation subject to specified fines, penalties, or other enforcement actions. This bill would require the Lake Alpine Water Company to file the report on or before January 1, 2018, and would delete these provisions on January 1, 2019.
- SB 953** ***(Lara D) Central Basin Municipal Water District.***
Summary: Would prohibit the Central Basin Municipal Water District from using sole source contracts, except as prescribed. This bill would require the district to rebid a contract if the district significantly changes the scope of work of the contract. This bill would require the general manager of the district to submit a quarterly report to the district's board detailing all of the district's contracts, contract amendments, and contract and amendment dollar amounts. By imposing new duties on a municipal water district, this bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws.
- SB 974** ***(Committee on Governance and Finance) Local government: omnibus.***
Summary: The Planning and Zoning Law requires that the safety element be reviewed and updated, in the case of flooding and fire hazards, upon the next revision of the housing element after specified dates or, in the case of climate adaptation and resilience strategies, upon either the next revision of a local hazard mitigation plan after a specified date or on or before January 1, 2022, as applicable. This bill would instead require a planning agency to review and revise the safety element to identify new information, as described above, only after to address flooding and fires.
- SB 995** ***(Pavley D) Well standards.***
Summary: Would, on or before January 1, 2019, require the Department of Water Resources to update well standards for certain types of wells based on existing knowledge. This bill would require the department to establish an advisory panel to identify critical gaps in existing knowledge about the best practices for well construction, alteration, maintenance, and destruction for these wells. This bill would, on or before January 1, 2022, require the advisory panel to make recommendations for improvements in well regulations and the department to submit the recommendations to the State Water Resources Control Board.
- SB 1000** ***(Leyva D) Land use: general plans: environmental justice.***
Summary: The Planning and Zoning Law requires the legislative body of each county and city to adopt a comprehensive, long-term general plan for the physical development of the county or city and of any land outside its boundaries that bears relation to its planning. This bill would add to the required elements of the general plan an environmental justice element that identifies and appraises the burdens of undesirable land uses within disadvantaged communities, as defined, or that disproportionately impact a particular population on the basis of race, national origin, ethnic group identification, religion, age, sex, sexual orientation, color, or disability for specified purposes.
- SB 1026** ***(Nielsen R) Department of Fish and Wildlife: lake or streambed alteration agreements.***
Summary: Current law prohibits an entity from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or from depositing certain material where it may pass into any river, stream, or lake, without first notifying the Department of Fish and Wildlife of that activity, and entering into a lake or streambed alteration agreement if required by the department to protect fish and wildlife resources. This bill would limit the diversions and obstructions governed by these alteration agreement requirements to the diversions and obstructions that alter the bed, channel, or bank of a river, stream, or lake.
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- SB 1112** *(Cannella R) Utilities: water and sewer systems corporations: transactions.*
Summary: Would require a water or sewer system corporation with less than 2,000 service connections to receive the Public Utilities Commission's approval before entering into specified transactions valued at \$5,000,000. The bill would provide that if a water or sewer system corporation fails to receive the commission's approval, the transaction is voidable by the commission until the commission either retroactively approves or conditionally approves the transaction. The bill would authorize the commission to delegate this approval authority to a specified division director. This bill contains other existing laws.
- SB 1114** *(Allen D) Stormwater resource planning: project funding.*
Summary: Would, by March 1, 2017, require the State Water Resources Control Board to include as part of its guidance a list of potential funding sources available to a public agency to fund projects identified in a public agency's stormwater resource plan.
- SB 1170** *(Wieckowski D) Public contracts: water pollution prevention plans: delegation.*
Summary: Would prohibit a public entity, charter city, or charter county from delegating to a contractor the development of a plan, as defined, used to prevent or reduce water pollution or runoff on a public works contract, except as provided. The bill would also prohibit a public entity, charter city, or charter county from requiring a contractor on a public works contract that includes compliance with a plan to assume responsibility for the completeness and accuracy of a plan developed by that entity.
- SB 1173** *(Hertzberg D) Water-conserving plumbing fixtures.*
Summary: Current law requires the replacement of plumbing fixtures that are not water conserving, defined as "noncompliant plumbing fixtures," in residential and commercial real property built and available for use on or before January 1, 1994, as specified. Current law defines "commercial real property," "multifamily residential real property," and "water-conserving plumbing fixture" for purposes of these provisions. This bill would amend the definition of specified noncompliant plumbing fixtures to lower water usage thresholds.
- SB 1248** *(Moorlach R) Environmental quality: judicial challenge: identification of contributors.*
Summary: Would require a plaintiff or petitioner, in an action brought pursuant to the provisions of CEQA, to disclose specified information regarding the plaintiff or petitioner in the complaint or petition or in a subsequent notice. The bill would require disclosure of the identity of a person or entity that contributes in excess of \$100 dollars, as specified, toward the plaintiff's or petitioner's costs of an action. The bill would provide that a failure to provide this disclosure shall be grounds for dismissal of the action by the court or, if the failure occurs during a postjudgment proceeding, the denial of attorneys' fees for a successful plaintiff or petitioner.
- SB 1415** *(Bates R) California Environmental Quality Act: water projects: exemption.*
Summary: Would exempt from the requirements of CEQA drought-oriented projects, as specified, proposed by one or more public agencies, or a combination of public agencies and private organizations, that have the purpose of mitigating drought conditions for which a state of emergency has been declared by the Governor pursuant to the California Emergency Services Act. This bill contains other existing laws.
- SB 1456** *(Galgiani D) Safe Drinking Water State Revolving Fund Law of 1997: public water systems: financing.*
Summary: Current law, for community public water systems and not-for-profit noncommunity public water systems, allows planning and preliminary engineering studies, project design, and construction costs incurred by those public water systems to be funded by loans and other repayable financing. This bill would authorize the above-described costs to be funded by loans or other repayable financing, grants, principal forgiveness, or a combination of grants and loans or other financial assistance, regardless of whether the public water system is a community public water system or a not-for-profit noncommunity public water system, or whether the public water system is owned by a public agency or private not-for-profit water company.

Total Measures: 39

Total Tracking Forms: 39



Attachment C

RWA High/Medium 2-Yr Bills

3/16/2016

AB 453

(Bigelow R) Groundwater management.

Current Text: Amended: 9/4/2015 [pdf](#) [html](#)

Introduced: 2/23/2015

Last Amend: 9/4/2015

Status: 9/11/2015-Failed Deadline pursuant to Rule 61(a)(14). (Last location was RLS. on 9/8/2015)

Desk	Policy	Fiscal	Floor	Desk	2 year	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would authorize, until a groundwater sustainability plan is adopted, a local agency that has adopted a groundwater management plan to impose fees on the extraction of groundwater from the basin to fund costs of groundwater management and to collect groundwater extraction information, as long as a groundwater management plan adopted before January 1, 2015, is in effect. This bill would require a local agency to specify in an ordinance or resolution imposing a fee on the extraction of groundwater from the basin that the fee does not apply to any period after adoption of a groundwater sustainability plan. This bill contains other existing laws.

Position Priority
Support HIGH

AB 647

(Eggman D) Beneficial use: storing of water underground.

Current Text: Amended: 6/30/2015 [pdf](#) [html](#)

Introduced: 2/24/2015

Last Amend: 6/30/2015

Status: 7/17/2015-Failed Deadline pursuant to Rule 61(a)(10). (Last location was N.R. & W. on 6/30/2015)

Desk	Policy	Fiscal	Floor	Desk	2 year	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law declares that the storing of water underground, and related diversions for that purpose, constitute a beneficial use of water if the stored water is thereafter applied to the beneficial purposes for which the appropriation for storage was made. This bill would repeal that declaration and instead declare that the diversion of water to underground storage constitutes a beneficial use of water if the water so stored is thereafter applied to the beneficial purposes for which the appropriation for storage was made, or if the water is so stored consistent with a sustainable groundwater management plan, statutory authority to conduct groundwater recharge, or a judicial decree and is for specified purposes.

Position Priority
Oppose Unless HIGH

AB 935

(Salas D) Water projects.

Current Text: Amended: 9/4/2015 [pdf](#) [html](#)

Introduced: 2/26/2015

Last Amend: 9/4/2015

Status: 9/11/2015-Failed Deadline pursuant to Rule 61(a)(14). (Last location was INACTIVE FILE on 9/10/2015)

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	2 year	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law establishes in the Natural Resources Agency the Department of Water Resources, which manages and undertakes planning with regard to water resources in the state. This bill would require, upon appropriation by the Legislature, the department to provide funding for certain projects, provided that certain conditions are met.

Position Priority
Watch HIGH

AB 937

(Salas D) Groundwater planning: technical assistance: disadvantaged communities.

Current Text: Amended: 7/16/2015 [pdf](#) [html](#)

Introduced: 2/26/2015

Last Amend: 7/16/2015

Status: 8/28/2015-Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. on 8/27/2015)

Desk	Policy	Fiscal	Floor	Desk	Policy		Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Water Resources to provide technical assistance to disadvantaged communities so that they may participate in groundwater planning, including, but not limited to, plans for regional groundwater banking, with any county or other local agency.

Position Watch **Priority HIGH**

AB 1201

(Salas D) Fish and wildlife: Sacramento-San Joaquin Delta: predation by nonnative species.

Current Text: Amended: 8/17/2015 [pdf](#) [html](#)

Introduced: 2/27/2015

Last Amend: 8/17/2015

Status: 8/28/2015-Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. on 8/27/2015)

Desk	Policy	Fiscal	Floor	Desk	Policy		Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Fish and Wildlife, by June 30, 2016, to develop a science-based plan that addresses predation by nonnative species upon species of fish listed pursuant to the California Endangered Species Act that reside all or a portion of their lives in the Sacramento-San Joaquin Delta and that considers predation reduction for all Chinook salmon and other native species not listed pursuant to the act.

Position Watch **Priority Medium**

AB 1242

(Gray D) Water quality and storage.

Current Text: Amended: 9/1/2015 [pdf](#) [html](#)

Introduced: 2/27/2015

Last Amend: 9/1/2015

Status: 9/11/2015-Failed Deadline pursuant to Rule 61(a)(14). (Last location was THIRD READING on 9/2/2015)

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal		Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Water Resources to increase statewide water storage capacity by 25% by January 1, 2025, and 50% by January 1, 2050, as specified. The bill would require the department, on or before January 1, 2017, to identify the current statewide water storage capacity and prepare a strategy and implementation plan to achieve those expansions in statewide water storage capacity, and would require the department to update the strategy and implementation plan on January 1, 2018, and every 2 years thereafter, until January 1, 2050.

Position Support **Priority HIGH**

SB 7

(Wolk D) Housing: water meters: multiunit structures.

Current Text: Amended: 9/4/2015 [pdf](#) [html](#)

Introduced: 12/1/2014

Last Amend: 9/4/2015

Status: 1/1/2016-Set for Hearing.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conf. Conc.			

Calendar: 3/17/2016 #15 ASSEMBLY MOTION TO RECONSIDER

Summary: Would express the intent of the Legislature to encourage the conservation of water in multifamily residential rental buildings through means either within the landlord's or the tenant's control, and to ensure that the practices involving the submetering of dwelling units for water service are just and reasonable, and include appropriate safeguards for both tenants and landlords. This bill contains other related provisions and other existing laws.

Position
Watch

Priority
HIGH

SB 20

(Pavley D) California Water Resiliency Investment Act.

Current Text: Amended: 8/26/2015 [pdf](#) [html](#)

Introduced: 12/1/2014

Last Amend: 8/26/2015

Status: 8/28/2015-Failed Deadline pursuant to Rule 61(a)(11). (Last location was W.,P. & W. on 8/26/2015)

Desk	Policy	Fiscal	Floor	Desk	2 year	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Under current law, various measures provide funding for water resources projects, facilities, and programs. This bill would create the California Water Resiliency Investment Fund in the State Treasury and provide that moneys in the fund are available, upon appropriation by the Legislature, for the purpose of providing a more dependable water supply for California. This bill would create various accounts within the fund for prescribed purposes.

Position
Watch

Priority
HIGH

SB 163

(Hertzberg D) Wastewater treatment: recycled water.

Current Text: Amended: 9/3/2015 [pdf](#) [html](#)

Introduced: 2/4/2015

Last Amend: 9/3/2015

Status: 9/11/2015-Failed Deadline pursuant to Rule 61(a)(14). (Last location was RLS. on 9/8/2015)

Desk	Policy	Fiscal	Floor	Desk	2 year	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would declare that the discharge of treated wastewater from ocean outfalls, except in compliance with the bill's provisions, is a waste and unreasonable use of water in light of the cost-effective opportunities to recycle this water for further beneficial use. This bill, on or before January 1, 2026, would require a wastewater treatment facility discharging through an ocean outfall to achieve at least 50% reuse of the facility's actual annual flow, as defined, for beneficial purposes.

Position
Watch

Priority
Medium

SB 552

(Wolk D) Public water systems: disadvantaged communities: consolidation or extension of service.

Current Text: Amended: 7/7/2015 pdf html

Introduced: 2/26/2015

Last Amend: 7/7/2015

Status: 7/17/2015-Failed Deadline pursuant to Rule 61(a)(10). (Last location was RLS. on 7/9/2015)

Desk	Policy	Fiscal	Floor	Desk	Year	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law, for purposes of the California Safe Drinking Water Act, defines "disadvantaged community" to mean a disadvantaged community that is in an unincorporated area or is served by a mutual water company. This bill would allow a community to be a "disadvantaged community" if the community is in a mobilehome park even if it is not in an unincorporated area or served by a mutual water company.

Position Watch *Priority HIGH*

SB 554

(Wolk D) Delta levee maintenance.

Current Text: Amended: 1/4/2016 pdf html

Introduced: 2/26/2015

Last Amend: 1/4/2016

Status: 1/27/2016-In Assembly. Read first time. Held at Desk.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law establishes a delta levee maintenance program pursuant to which a local agency may request reimbursement for costs incurred in connection with the maintenance or improvement of project or nonproject levees in the Sacramento-San Joaquin Delta. This bill would declare legislative intent to reimburse up to 75% of those costs incurred in any year for the maintenance or improvement of levees in excess of \$1,000 per mile of levee and would authorize the board to advance funds in an amount that does not exceed 75% of the estimated state share to an eligible local agency.

Position Support *Priority Medium*

Total Measures: 11

Total Tracking Forms: 11

Attachment D
2016 RWA Spot Bills
3/16/2016

- AB 1794** (**Garcia, Cristina** D) ***Municipal water districts: board of directors.***
- AB 1979** (**Bigelow** R) ***Urban water management plans.***
- AB 1981** (**Maves** R) ***California Environmental Quality Act: environmental impact report.***
- AB 1986** (**Wilk** R) ***Water resources: permit to appropriate: application procedure.***
- AB 2038** (**Gaines, Beth** R) ***California Environmental Quality Act: environmental impact report: substantial evidence.***
- AB 2112** (**Dahle** R) ***Safe Drinking Water Act.***
- AB 2241** (**Dahle** R) ***State policy for water quality control.***
- AB 2271** (**Quirk** D) ***Energy efficiency.***
- AB 2335** (**Gaines, Beth** R) ***Waste discharge reports.***
- AB 2357** (**Dahle** R) ***Water rights: measurement of diversion.***
- AB 2470** (**Bigelow** R) ***Water quality: organization and membership of regional boards.***
- AB 2515** (**Weber** D) ***Water districts: financial supervision.***
- AB 2541** (**Dahle** R) ***Public utilities.***
- AB 2543** (**Gordon** D) ***State buildings: efficiency.***
- AB 2570** (**Quirk** D) ***Public Utilities Commission: inspection and audit of books and records.***
- AB 2583** (**Frazier** D) ***Sacramento-San Joaquin Delta Reform Act of 2009.***
- AB 2603** (**Nazarian** D) ***Public Utilities Commission: proceedings: intervenor compensation.***
- AB 2639** (**Garcia, Eduardo** D) ***Water quality: Porter-Cologne Water Quality Control Act.***
- AB 2657** (**Chu** D) ***Water Quality, Supply, and Infrastructure Improvement Act of 2014.***
- SB 1096** (**Berryhill** R) ***Waste discharge requirements.***
- SB 1164** (**Cannella** R) ***Sustainable Groundwater Management Act: groundwater sustainability agencies.***
- SB 1328** (**Lara** D) ***Water Quality, Supply, and Infrastructure Improvement Act of 2014.***
- SB 1422** (**Glazer** D) ***Water corporations: rate regulation.***
- SB 1469** (**Stone** R) ***Groundwater sustainability agencies.***
- SB 1472** (**Mendoza** D) ***Flood management.***

Total Measures: 25
