

Summary of Stanislaus River Forum Meeting
February 17, 2016 11:00 AM – 12:00 PM

Objective: To provide opportunities for the public to present information to Reclamation regarding the Stanislaus River.

Introductions

On the call:

Reclamation: Carolyn Bragg, Amanda Bahls

NMFS: Barb Byrne

CDFW: Pat Brantley

Current operations

Releases out of Goodwin Dam are at 200 cfs, meeting the minimum flow requirements per the 2009 NMFS BiOp (Critical yeartype flow schedule).

New Melones storage is at 429 TAF (30% of average). The elevation is at 841'.

Details on recent operations and conditions are provided in the attached *Operations Handout*

Update on NMFS RPA Implementation

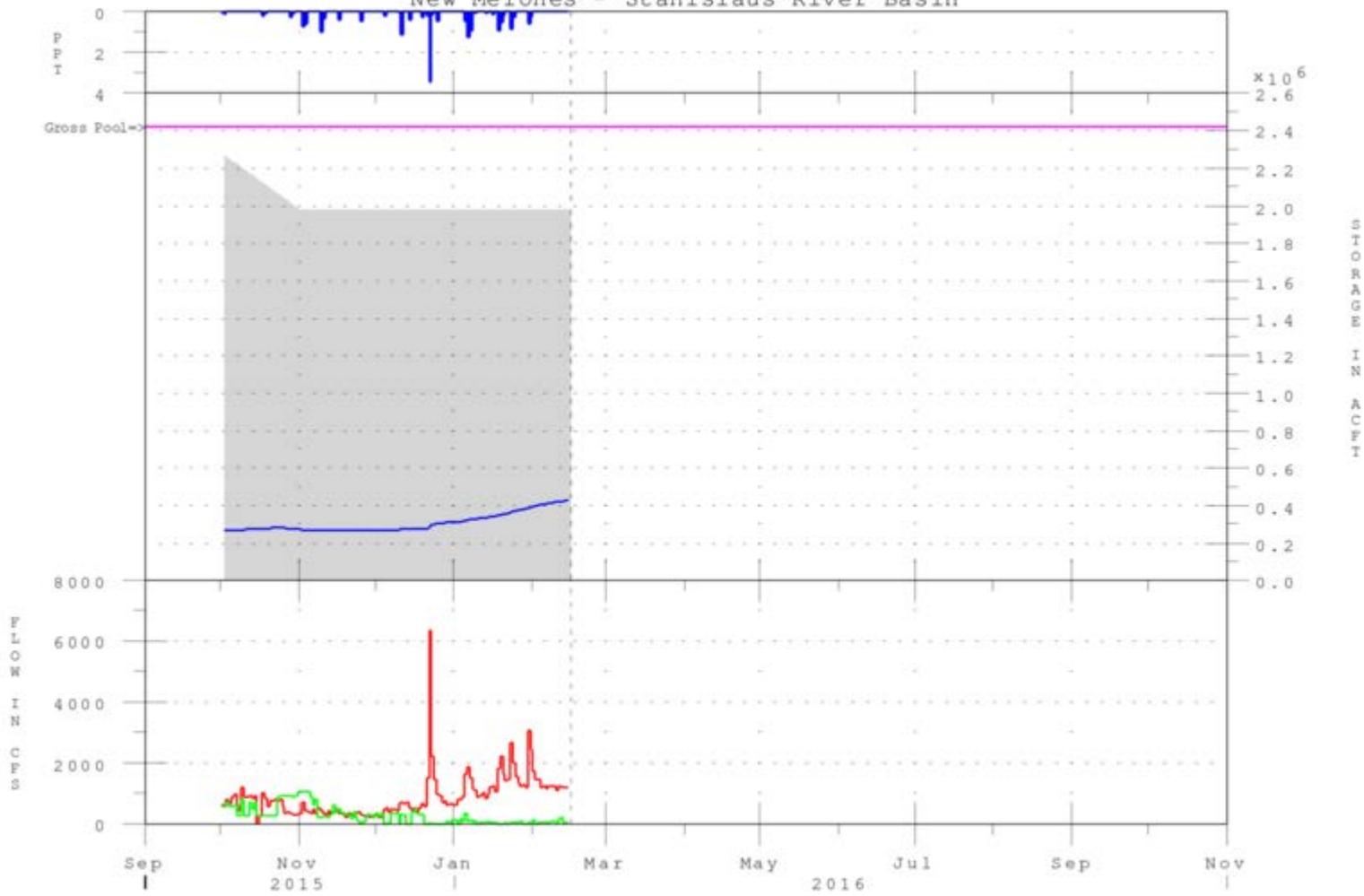
Please refer to the attached *RPA Implementation Update*.

Additional Topics

A SRF member emailed a question regarding the declining trout population. It was decided that this question would be brought up at the Stanislaus Operations Group (SOG) as a part of the SRF Update section of the SOG agenda.

Next Meeting: March 16, 2016

New Melones - Stanislaus River Basin



- Inflow
- Reservoir Storage
- Outflow
- Precipitation
- Top of Conservation Pool

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

FEBRUARY 2016

TULLOCH RESERVOIR DAILY OPERATIONS

RUN DATE: 02/12/2016

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	NEW MELONES RELEASE	RELEASE - C.F.S.			EVAP C.F.S. (1)
		ACRE-FEET RES.	CHANGE			POWER	SPILL	OUTLET	
		56,608							
1	501.23	56,641	+33	227	130	209	0	0	1
2	501.02	56,409	-232	94	13	209	0	0	2
3	500.80	56,170	-239	90	39	210	0	0	0
4	500.62	55,975	-195	115	51	213	0	0	0
5	500.44	55,780	-195	114	57	210	0	0	2
6	500.18	55,498	-282	72	43	212	0	0	2
7	499.93	55,228	-270	79	30	213	0	0	2
8	499.73	55,015	-213	108	74	212	0	0	3
9	499.52	54,791	-224	100	77	211	0	0	2
10	499.27	54,524	-267	83	39	210	0	0	8
11	499.29	54,545	+21	233	189	214	0	0	8
TOTALS			-2,063	1,315	742	2,323	0	0	30
ACRE-FEET			-2,063	2,608	1,472	4,608	0	0	60

*COMPUTED INFLOW IS SUM OF CHANGE IN STORAGE, RELEASES, AND EVAPORATION.

SUMMARY
RELEASE (ACRE-FEET)

POWER	4,608	OUTLET	0
SPILL	0	TOTAL	4,608

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

FEBRUARY 2016

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: February 12, 2016

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE			SPILL	OUTLET	C.F.S.	INCHES	
		392.9								
1	833.79	396.1	+3.2	1,726	130	0	0	3	.02	.01
2	834.49	398.9	+2.8	1,458	13	0	0	9	.07	.00
3	835.18	401.7	+2.8	1,460	39	0	0	1	.01	.00
4	835.74	404.0	+2.3	1,210	51	0	0	1	.01	.00
5	836.30	406.3	+2.3	1,227	57	0	0	8	.06	.00
6	836.83	408.5	+2.2	1,154	43	0	0	8	.06	.00
7	837.40	410.9	+2.4	1,229	30	0	0	8	.06	.00
8	837.95	413.2	+2.3	1,236	74	0	0	11	.08	.00
9	838.50	415.5	+2.3	1,244	77	0	0	9	.07	.00
10	839.00	417.6	+2.1	1,125	39	0	0	33	.24	.00
11	839.49	419.6	+2.1	1,260	189	0	0	33	.24	.00
TOTALS			+26.8	14,329	742	0	0	124	.92	.01
ACRE-FEET			+26,800	28,422	1,472	0	0	246		

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	1,472	OUTLET	0	THIS MONTH =	.01
SPILL	0	TOTAL	1,472	JULY 1, 2015 TO DATE =	19.96

OAKDALE IRRIGATION DISTRICT
 SOUTH SAN JOAQUIN IRRIGATION DISTRICT
 TRI DAMS PROJECT-CALIFORNIA

FEBRUARY 2016

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: February 12, 2016

DAY	ELEV	STORAGE		TULLOCH	RELEASE - C.F.S.			
		ACRE-FEET	CHANGE		RES.	RIVER	SPILL	CANALS
				RELEASE	OUTLET		JOINT	MAIN
		525						
1	359.81	524	-1	209	0	201	0	0
2	359.81	524	+0	209	0	201	0	0
3	359.83	525	+1	210	0	201	0	0
4	359.83	525	+0	213	0	204	0	0
5	359.81	524	-1	210	0	202	0	0
6	359.81	524	+0	212	0	203	0	0
7	359.81	524	+0	213	0	203	0	0
8	359.83	525	+1	212	0	205	0	0
9	359.81	524	-1	211	0	202	0	0
10	359.83	525	+1	210	0	201	0	0
11	359.81	524	-1	214	0	210	0	0
TOTALS			-1	2,323	0	2,233	0	0
ACRE-FEET			-1	4,608	0	4,429	0	0

JOINT MAIN OPERATED BY SSJID AND OID.
 SOUTH MAIN OPERATED BY OID.

SUMMARY
 RELEASE (ACRE-FEET)

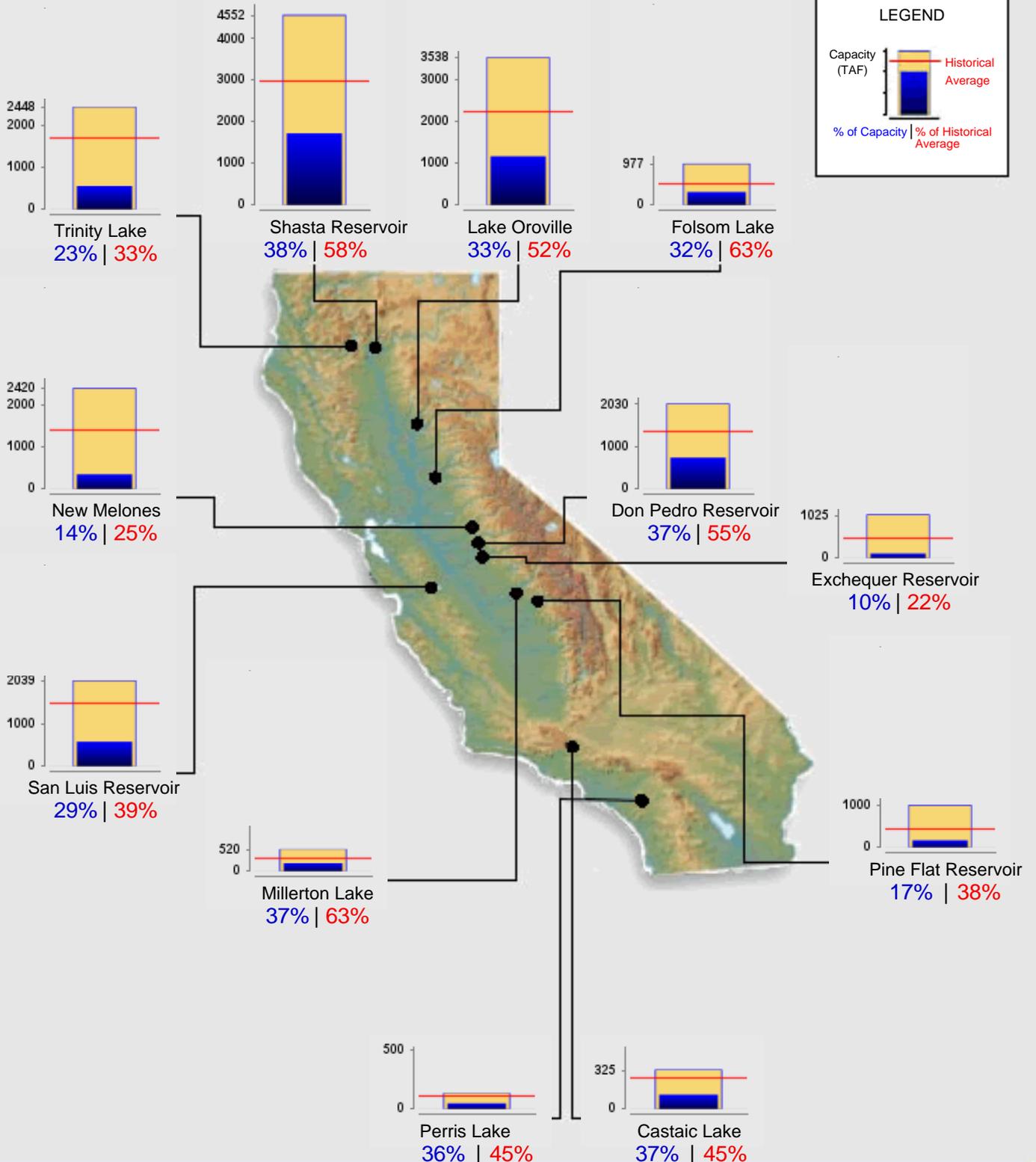
JOINT MAIN CANAL	0	OUTLET	0
SOUTH MAIN CANAL	0	SPILL	4,429
		TOTAL	4,429



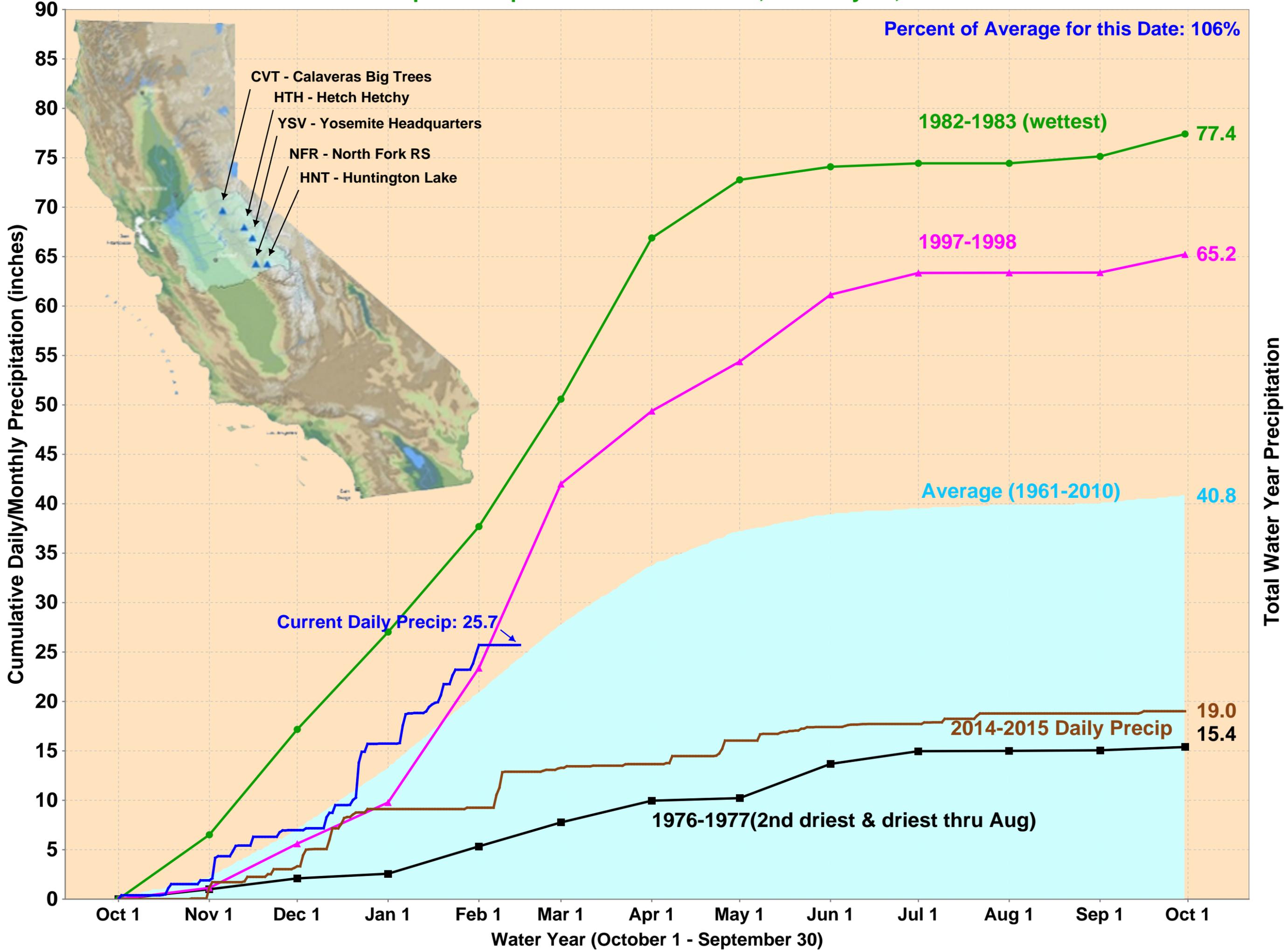
Reservoir Conditions

Ending At Midnight - January 18, 2016

CURRENT RESERVOIR CONDITIONS



San Joaquin Precipitation: 5-Station Index, February 15, 2016



2/17/2016

Update on NMFS RPA Implementation:

Reasonable and prudent alternative (RPA) Action III.1.3

October through mid-April, the Appendix 2-E minimum flow schedule for the Critical yeartype (based on the New Melones Water supply parameter, not the San Joaquin “60-20-20” Index) requires minimum instream flows of 200 cfs. In January and February, the Critical year schedule requires one small winter instability flow (793 AF in addition to the 200 cfs base flow) in each month.

SOG advised, and NMFS approved, that for January 2016, the natural storm pulse January 5-7, 2016 (realized storm flow in-river at Orange Blossom Bridge was 1169 AF in addition to the 200 cfs base flow; see Figure 1) be considered to satisfy the January winter instability flow (Critically Dry yeartype) in the Appendix 2-E flow schedule. Details were provided in the handouts for the 1/20/16 SRF meeting.

SOG anticipates providing final advice on the February winter instability flow by 2/19/16, after reviewing the latest storage conditions, inflow forecasts, and observed flow events at the February SOG meeting on 2/17/16. NMFS approved a request to maintain the base flows of 200 cfs during February until that advice is finalized.

RPA Action III.1.2

From January 1 to May 31, the temperature criteria in Action III.1.2 of the 2009 NMFS BiOp are that water temperature (measured as the 7 day average of daily maximum temperature, or 7DADM) be below 55°F at Orange Blossom Bridge for steelhead spawning and incubation and be below 52°F at Knights Ferry for steelhead smoltification. The 7DADM temperatures at Orange Blossom Bridge (measured) and Knights Ferry (estimated) since 1/7/15 (the first day for which a 7DADM under the Jan 1 to May 31 criteria can be calculated) have been below the temperature criteria (Figure 1).

WY 2016 Stanislaus River Releases and Temperatures

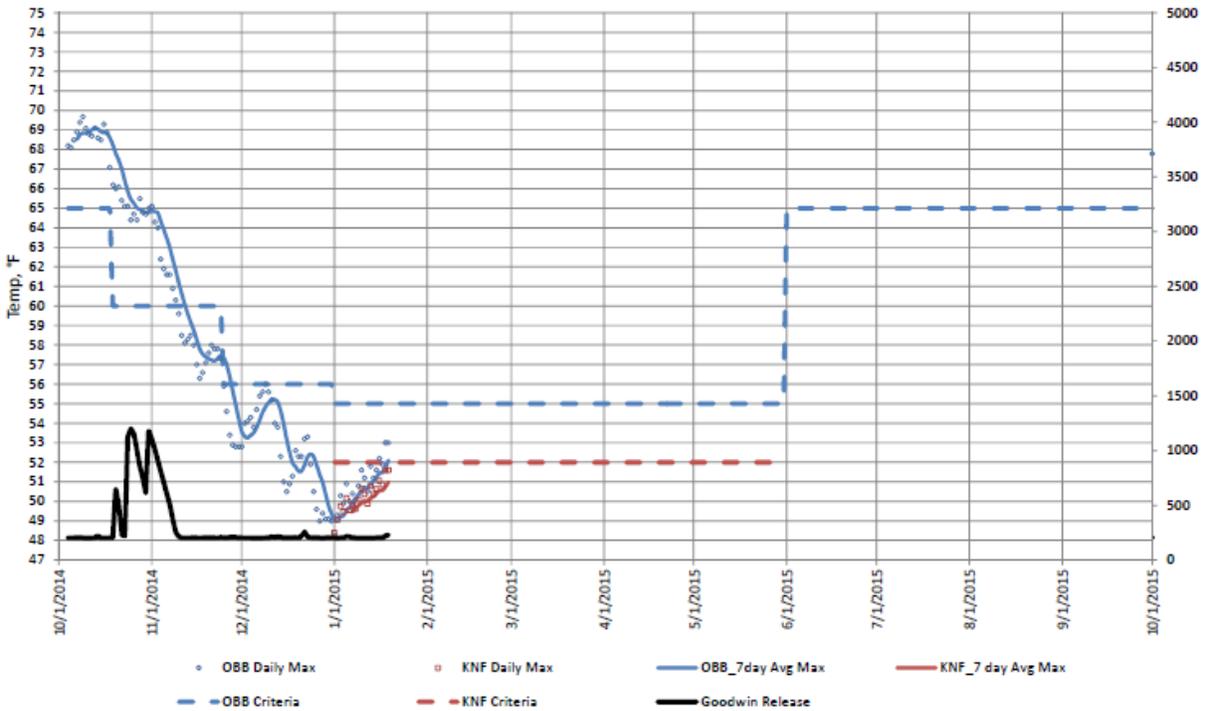


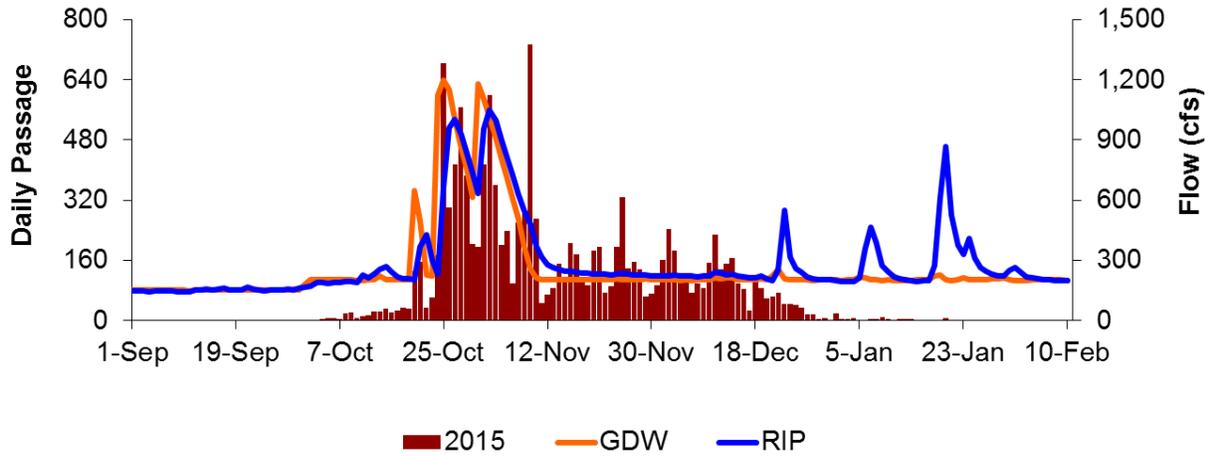
Figure 1: Stanislaus water temperatures at Orange Blossom Bridge (measured) and Knights Ferry (estimated). The 7DADM targets October through December are per the temperature management plan submitted to the SWRCB in August 2015; the 7DADM targets January through September are per Action III.1.2 in the NMFS BiOp.

Update on Fish Monitoring

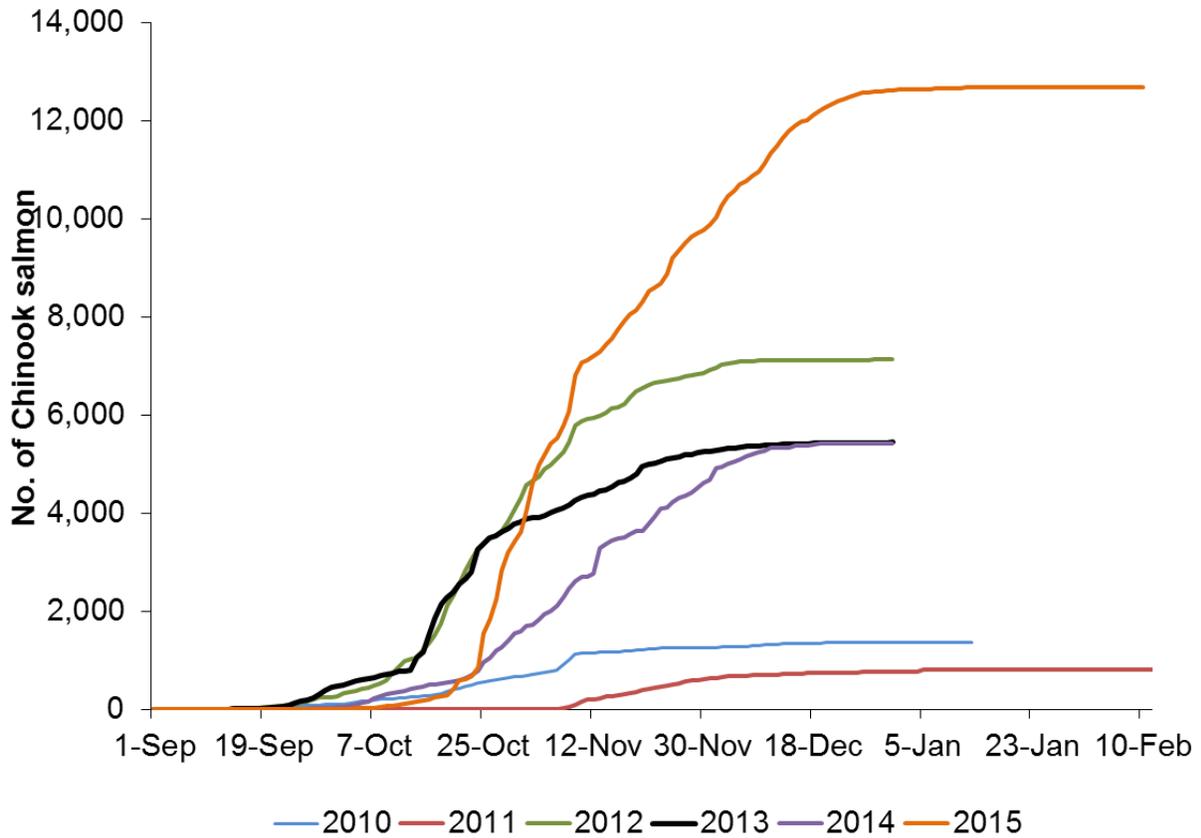
The California Department of Fish & Wildlife (CDFW) concluded their fall-run Chinook carcass and redd surveys in January; the latest information on this monitoring effort was reported in the fish monitoring update for the 1/20/16 SRF meeting.

The Stanislaus weir near Riverbank began sampling on Friday, 9/15/15. Through 2/10/16, the net upstream passage of adult fall-run Chinook salmon at the weir just downstream of Riverbank was 12,686 – nearly double the next-highest passage (seasonal total of 7,248 in 2012) observed since the weir sampling began in 2003. 26% of the Chinook were ad-clipped. A net upstream passage of five *Oncorhynchus mykiss* (two >16”; four of five, including both >16” fish, were ad-clipped) has been observed at the weir. The figures below were provided by FISHBIO in their 2/12/16 Stanislaus weir update.

2015 Chinook Passage and Stanislaus River Flow



Cumulative Chinook Passage at the Stanislaus River Weir



Rotary screw trapping at Oakdale and Caswell began in early January. Chinook catch at these sampling locations is summarized in the figures below, provided by FISHBIO in their 2/15/16 San Joaquin Basin Update.

