

**AGENDA**  
**Stanislaus Operations Group**  
**October 17, 2012**  
**Central Valley Operations Office**  
**3310 El Camino Avenue, Room 302, Sacramento, CA 95821**  
**1:00 PM to 3:00 PM**  
**Telecon Number 1-866-7578460**  
**Participant Code #9068008**

**RPA Action**

**Agenda Items**

**Announcements**

**Stanislaus Operations Summary & Expected Operations**

Action III.1.3      Flow Criterion

Action III.1.2      Temperature Criterion

**Fishery and Restoration Updates**

Action III.2.2      Floodplain Restoration

Action II.2.1.3      Fish Monitoring and Reporting

Action III.2.3      Restoration Update

**Other Items to discuss**

*November Meeting Schedule*

NMFS OCAP Biological Opinion: Reasonable and Prudent Alternatives (RPAs)  
References

<b>ACTION ID</b>	<b>PAGE #</b>	<b>RPA NAME</b>
Section 11.2.1.2	583	Research and Adaptive Management (Annual Review)
Section 11.2.1.3	584	Monitoring and Reporting: (e) Adult escapement and juvenile monitoring for steelhead on the Stanislaus River
Action III.1.1	581-583,620	Establish Stanislaus Operational Group (SOG) for Real-Time Operational Decision-Making
Action III.1.2	620-621	Provide Cold Water Releases to Maintain Suitable Steelhead Temperatures.
Action III.1.3	622-625, Appendix 2-E	Operate the East Side Division Dams to Meet the Minimum Flows, as Measured at Goodwin Dam.
Action III.2.1	626	Increase and Improve Quality of Spawning Habitat with addition of 50,000 Cubic Yards of Gravel by 2014 and with a Minimum Addition of 8,000 Cubic Yards per Year for the Duration of the Project Actions.
Action III.2.2	627	Conduct Floodplain Restoration and Inundation in Winter or Spring to Inundate Steelhead Juvenile Rearing Habitat on One- to Three- Year Schedule.
Action III.2.3	627	Restore Freshwater Migratory Habitat for Juvenile Steelhead by Implementing Projects to Increase Floodplain Connectivity and to Reduce Predation Risk During Migration.
Action III.2.4	628	Evaluate Fish Passage at New Melones, Tulloch, and Goodwin Dams
Action IV.2.1	641	Phase II: Interim Operations in 2011-2012: Reclamation shall increase its releases at Goodwin Reservoir, if necessary, in order to meet the flows required at Vernalis

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

OCTOBER 2012

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: October 23, 2012

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	SPILL	OUTLET	C.F.S.	INCHES	
		1,510.7								
1	1,004.14	1,509.5	-1.2	863	1,391	0	0	85	.28	.00
2	1,004.11	1,509.2	-0.3	767	817	0	0	91	.30	.00
3	1,004.26	1,510.6	+1.4	820	11	0	0	103	.34	.00
4	1,004.17	1,509.8	-0.8	698	1,053	0	0	69	.23	.00
5	1,004.02	1,508.4	-1.4	698	1,277	0	0	127	.42	.00
6	1,003.93	1,507.5	-0.8	618	977	0	0	63	.21	.00
7	1,003.86	1,506.9	-0.7	541	810	0	0	60	.20	.00
8	1,003.62	1,504.6	-2.2	317	1,383	0	0	60	.20	.00
9	1,003.34	1,502.0	-2.6	320	1,571	0	0	63	.21	.00
10	1,003.19	1,500.6	-1.4	291	932	0	0	63	.21	.00
11	1,003.11	1,499.9	-0.7	232	556	0	0	51	.17	.00
12	1,003.08	1,499.6	-0.3	334	475	0	0	0	.00	.08
13	1,002.96	1,498.5	-1.1	274	777	0	0	60	.20	.00
14	1,002.79	1,496.9	-1.6	473	1,178	0	0	90	.30	.00
15	1,002.53	1,494.5	-2.4	234	1,443	0	0	6	.02	.00
16	1,002.31	1,492.5	-2.0	379	1,356	0	0	51	.17	.00
17	1,002.12	1,490.7	-1.8	379	1,198	0	0	69	.23	.00
18	1,002.07	1,490.3	-0.5	448	622	0	0	60	.20	.00
19	1,001.90	1,488.7	-1.6	298	1,019	0	0	72	.24	.00
20	1,001.70	1,486.8	-1.8	183	1,024	0	0	90	.30	.00
21	1,001.64	1,486.3	-0.6	247	484	0	0	42	.14	.00
22	1,001.57	1,485.6	-0.6	239	565	0	0	0	.00	.03
<b>TOTALS</b>			<b>-25.0</b>	<b>9,653</b>	<b>20,919</b>	<b>0</b>	<b>0</b>	<b>1,375</b>	<b>4.57</b>	<b>.11</b>
<b>ACRE-FEET</b>			<b>-25,000</b>	<b>19,147</b>	<b>41,493</b>	<b>0</b>	<b>0</b>	<b>2,727</b>		

COMMENTS:

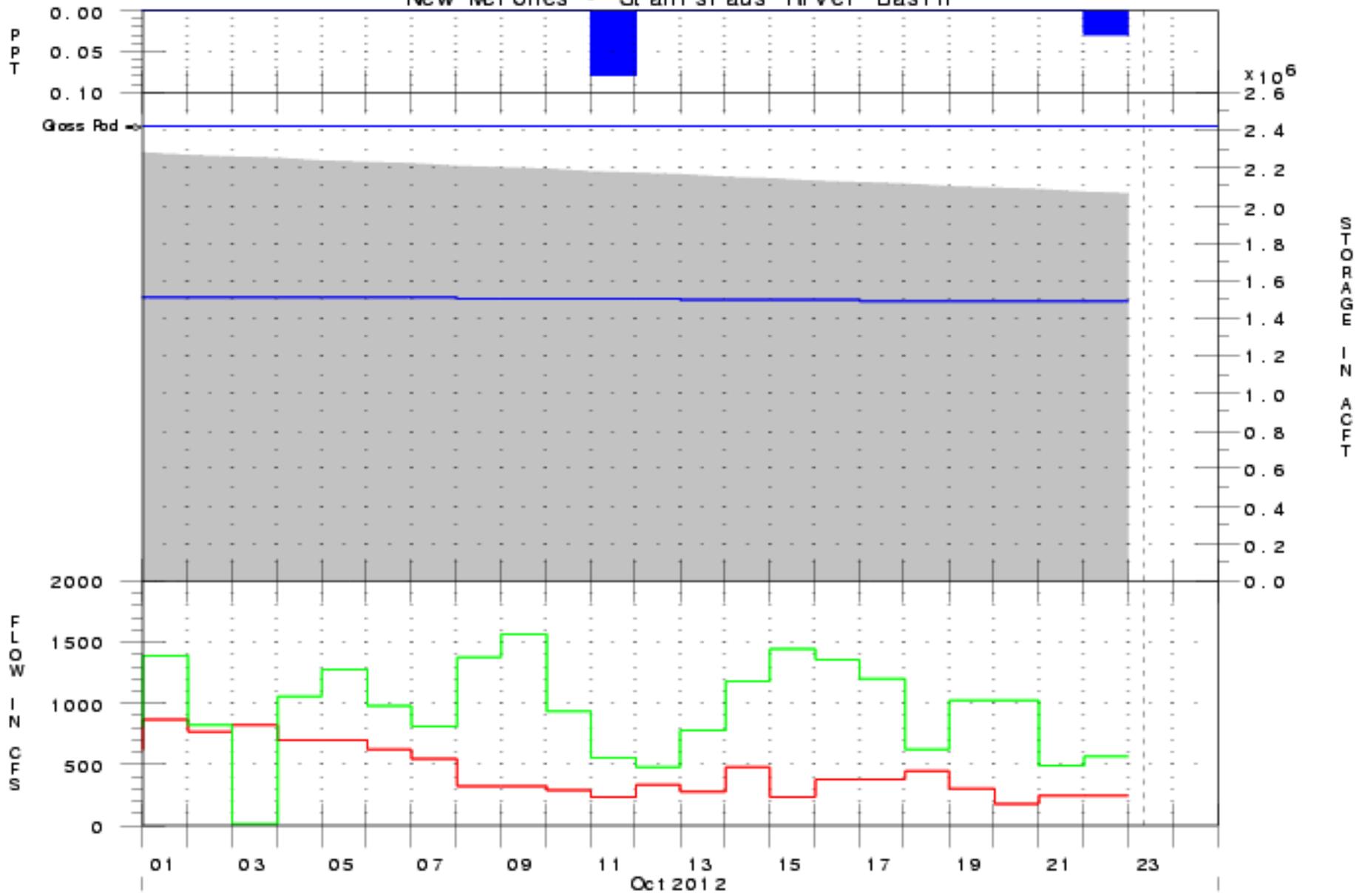
\* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)				PRECIPITATION
POWER	41,493	OUTLET	0		THIS MONTH = .11
SPILL	0	TOTAL	41,493		JULY 1, 2012 TO DATE = .21

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### New Melones - Stanislaus River Basin



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

UNITED STATES DEPARTMENT OF THE INTERIOR  
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**OCTOBER 2012**

**TULLOCH RESERVOIR DAILY OPERATIONS**

RUN DATE: 10/23/2012

DAY	ELEV	STORAGE ACRE-FEET RES.	CHANGE	COMPUTED* INFLOW C.F.S.	NEW MELONES RELEASE	POWER	RELEASE - C.F.S. SPILL	OUTLET	EVAP C.F.S. (1)
		60,710							
1	505.76	61,801	+1,091	1,407	1,391	846	0	0	11
2	505.64	61,660	-141	814	817	874	0	0	11
3	504.02	59,773	-1,887	-9	11	929	0	0	13
4	504.16	59,935	+162	1,066	1,053	975	0	0	9
5	504.07	59,831	-104	977	1,277	1,013	0	0	16
6	504.43	60,248	+417	1,287	977	1,069	0	0	8
7	504.07	59,831	-417	790	810	993	0	0	7
8	504.68	60,537	+706	1,395	1,383	1,031	0	0	8
9	505.27	61,225	+688	1,578	1,571	1,223	0	0	8
10	505.08	61,001	-224	934	932	1,039	0	0	8
11	504.84	60,722	-279	537	556	672	0	0	6
12	504.64	60,490	-232	467	475	584	0	0	0
13	504.22	60,005	-485	772	777	1,010	0	0	7
14	503.71	59,419	-586	1,193	1,178	1,424	53	0	11
15	503.61	59,305	-114	1,455	1,443	1,421	90	0	1
16	503.52	59,203	-102	1,357	1,356	1,379	23	0	6
17	503.33	58,986	-217	1,205	1,198	1,306	0	0	8
18	502.25	57,770	-1,216	617	622	1,223	0	0	7
19	502.02	57,512	-258	1,013	1,019	1,134	0	0	9
20	502.14	57,647	+135	1,032	1,024	953	0	0	11
21	501.61	57,060	-587	471	484	762	0	0	5
22	501.60	57,049	-11	550	565	556	0	0	0
<b>TOTALS</b>			<b>-3,661</b>	<b>20,908</b>	<b>20,919</b>	<b>22,416</b>	<b>166</b>	<b>0</b>	<b>170</b>
<b>ACRE-FEET</b>			<b>-3,661</b>	<b>41,471</b>	<b>41,493</b>	<b>44,462</b>	<b>329</b>	<b>0</b>	<b>337</b>

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

**SUMMARY  
RELEASE (ACRE-FEET)**

POWER	44,462	OUTLET	0
SPILL	329	TOTAL	44,791

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

OCTOBER 2012

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: October 23, 2012

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET RES.	CHANGE		RELEASE	OUTLET	SPILL	JOINT MAIN
		529						
1	359.89	529	+0	846	0	257	248	276
2	359.89	529	+0	874	0	255	277	283
3	359.89	529	+0	929	0	256	323	311
4	359.92	531	+2	975	0	297	325	340
5	359.92	531	+0	1,013	0	305	312	376
6	359.97	535	+4	1,069	0	400	255	354
7	359.97	535	+0	993	0	401	250	327
8	360.03	539	+4	1,031	0	503	234	290
9	360.22	552	+13	1,223	0	780	183	267
10	360.19	550	-2	1,039	0	701	111	223
11	360.08	543	-7	672	0	608	11	2
12	360.03	539	-4	584	0	506	11	0
13	360.30	558	+19	1,010	0	956	8	0
14	360.55	576	+18	1,477	0	1,466	8	0
15	360.55	576	+0	1,511	0	1,504	8	0
16	360.52	573	-3	1,402	0	1,414	6	0
17	360.46	569	-4	1,306	0	1,310	6	0
18	360.41	566	-3	1,223	0	1,209	6	0
19	360.38	564	-2	1,134	0	1,106	6	0
20	360.27	556	-8	953	0	915	6	0
21	360.16	548	-8	762	0	714	6	0
22	360.03	539	-9	556	0	514	6	0
<b>TOTALS</b>			<b>+10</b>	<b>22,582</b>	<b>0</b>	<b>16,377</b>	<b>2,606</b>	<b>3,049</b>
<b>ACRE-FEET</b>			<b>+10</b>	<b>44,791</b>	<b>0</b>	<b>32,484</b>	<b>5,169</b>	<b>6,048</b>

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	5,169	OUTLET	0
SOUTH MAIN CANAL	6,048	SPILL	32,484
		TOTAL	43,701

# GOODWIN DAM ( GDW )

Date from 08/24/2012 09:44 through 10/23/2012 09:44 Duration : 60 days

Max of period : (10/15/2012 00:00, 1504.0) Min of period: (09/18/2012 00:00, 250.0)



DISCHARGE, SPILLWAY - CFS (9183)

# STANISLAUS R AT ORANGE BLOSSOM BRIDGE -- OBB

## Oct-12

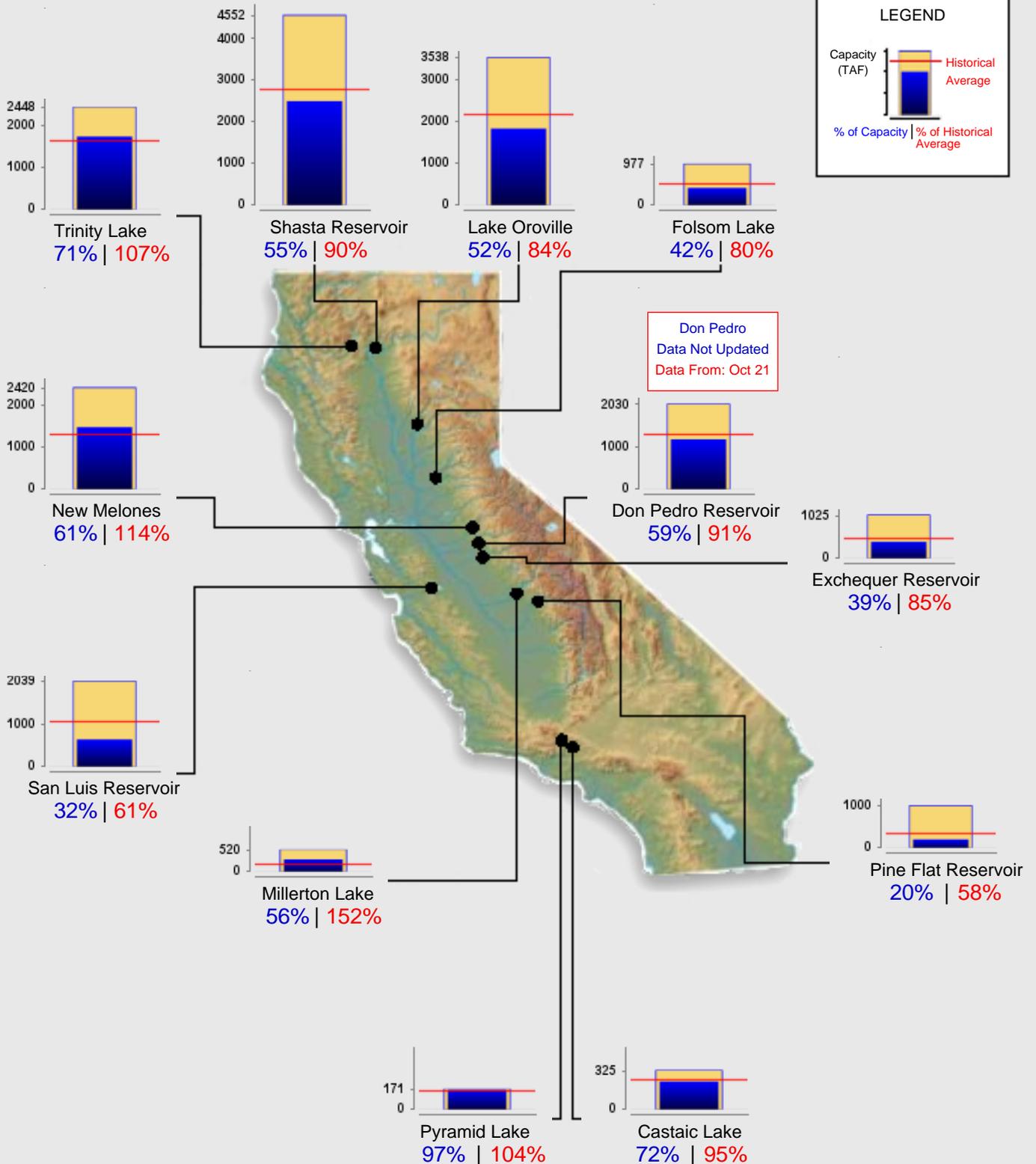
Date	RIVER STAGE (FEET)				FLOW, RIVER DISCHARGE (CFS)				TEMPERATURE, WATER (DEG F)				ELECTRICAL CONDUCTIVITY MICRO S (uS/cm)			
	HRS	MAX	Min	MEAN	HRS	MAX	Min	MEAN	HRS	MAX	Min	MEAN	HRS	MAX	Min	MEAN
10/1/2012	24	2.5	2.5	2.5	24	262	242	255	24	61.8	58.2	60.2	24	71	69	70.5
10/2/2012	24	2.5	2.5	2.5	24	259	248	254	24	61.9	58.3	60.2	24	72	69	70.5
10/3/2012	24	2.6	2.5	2.5	24	268	251	257	24	61.8	58.4	60.3	24	73	71	71.7
10/4/2012	24	2.6	2.5	2.6	24	288	248	271	24	61.2	58.3	60	24	73	69	71.1
10/5/2012	24	2.7	2.6	2.6	24	291	265	277	24	60	57.4	58.9	24	74	70	71.5
10/6/2012	24	2.9	2.7	2.8	24	356	273	321	24	59.7	56.8	58.3	24	73	71	72.5
10/7/2012	24	2.9	2.9	2.9	24	346	337	344	24	59.8	56.4	58	24	76	71	73.8
10/8/2012	24	3.1	2.9	3	24	419	334	385	24	59.4	56.2	57.7	24	79	76	77
10/9/2012	21	3.6	3.1	3.5	21	611	413	553	21	58.2	55.3	56.9	21	81	76	79.3
10/10/2012	19	3.6	3.4	3.4	19	611	513	534	19	58.3	55.3	56.9	19	93	81	87.3
10/11/2012	24	3.4	3.2	3.3	24	532	444	472	24	56.8	55.6	56.1	24	93	83	87.6
10/12/2012	21	3.2	3	3.1	21	451	389	411	21	56.8	55.2	55.9	21	94	84	86.8
10/13/2012	14	4	3.9	4	14	756	712	747	14	57.2	54.4	56.1	14	95	83	87.4
10/14/2012	16	4.8	4.6	4.8	16	1166	1045	1139	16	56.8	54.9	56.1	16	93	89	91.4
10/15/2012	19	4.8	4.8	4.8	19	1166	1150	1155	19	57.4	55.2	56.4	19	103	91	98
10/16/2012	24	4.8	4.6	4.7	24	1172	1071	1103	24	57.8	55.7	56.7	24	114	103	108.8
10/17/2012	22	4.7	4.5	4.5	22	1092	989	1024	22	57.2	55.6	56.5	22	122	115	119.1
10/18/2012	23	4.5	4.3	4.4	23	1009	905	941	23	57.5	55.6	56.4	23	124	121	122.1
10/19/2012	24	4.3	4.1	4.2	24	910	820	851	24	57.8	55.7	56.5	24	127	124	125.1
10/20/2012	19	4.2	3.8	3.8	19	839	665	696	19	57.6	55.2	56.4	19	128	126	127
10/21/2012	9	3.4	3.4	3.4	9	529	517	522	9	57.2	54.8	56.3	9	126	125	125.4
10/22/2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Average for month</b>				<b>3.5</b>				<b>596</b>				<b>57.5</b>				<b>91.6</b>



# Reservoir Conditions

Ending At Midnight - October 22, 2012

## CURRENT RESERVOIR CONDITIONS



**Stanislaus Operations Group**  
**October 17, 2012**  
**Central Valley Operations Office**  
**3310 El Camino Avenue, Room 302, Sacramento, CA 95821**  
**1:00 PM to 3:00 PM**  
**Meeting Notes**

**Attendees:** Patti Clinton (phone) and Tom Morstein-Marx - Reclamation; Barb Byrne (phone) – NMFS; J.D. Wikert - FWS; James Edwards - DWR

**Handouts**

Handouts were not available at the time of the meeting. Handouts will be emailed out later in the week.

**Announcement**

Reminder about the Salmon Festival – November 3.

**RPA Action**

**Stanislaus Operations Summary & Expected Operations**

**Action III.1.3 - Flow Criterion**

Reclamation reported that the October pulse is being implemented according to the SOG advice. There was a glitch in the data reported on CDEC for October 13; 341 cfs was reported but the spill was actually 1,010 cfs.

New Melones storage is at 114% of average on this date as calculated by DWR.

The current drawdown at Tulloch is being done to reach a level where the spillway gates can be inspected, repaired, and exercised. November 1 starts the ordinary drawdown that continues to January.

**Action III.1.2 - Temperature Criterion**

Orange Blossom Bridge (OBB) Temperature Criterion:

Per SOG advice, the 56° F temperature criterion (measured as a 7-day average of daily maximum temperature, or 7DADM) at OBB was initiated on October 13<sup>th</sup>. Reclamation reported that the daily maximum temperature at OBB is currently still above 56° F, even on days with peak releases of 1,500 cfs. Temperatures were: October 14<sup>th</sup> - 56.8° F, October 15<sup>th</sup> - 57.4° F, and October 16<sup>th</sup> - 57.8° F. NMFS noted that no measure of the 7DADM would be available until October 20<sup>th</sup>, at which time the maximum daily temperatures from October 13-19 would be reported and could be averaged.

Unless maximum daily temperatures drop markedly, the temperature criterion may not be met on October 20. NMFS requested that Reclamation provide an email to NMFS to report that the temperature criterion may not be met.

NOTE: An email was provided to NMFS after the SOG meeting stating that Reclamation does not appear to be on track for meeting the 7-day maximum of less than 56° F at OBB, and has not been able to be below 56° F on a daily maximum basis even at up to 1,500 cfs release.

## **Fishery and Restoration Updates**

### **Action III.2.2 - Floodplain Restoration**

Honolulu Bar – Construction on Honolulu Bar is wrapping up. On November 17, there will be volunteers doing planting of riparian vegetation.

Lancaster Road – There is CVPIA funding available for spring monitoring at this restored side channel.

Button Bush – This project is moving forward; the scope of which will be similar to Honolulu Bar and Lancaster Road

### **Action II.2.1.3 Fish Monitoring and Reporting**

Stanislaus Weir Update: September 11 to present – 980 Chinook salmon passages.

Rotary Screw Trap at Caswell – Expected to start up in January.

JD Wikert suggested that SOG explore setting up a SharePoint site that would allow all SOG members to share and edit SOG documents. JD will provide information once it is set-up.

NOTE: Reclamation SOG member was open to the suggestion of a SharePoint site; however, after discussing with Reclamation management, it was decided this kind of site would require oversight by Reclamation or NMFS. At this time, Reclamation will not be involved in a SOG SharePoint site.

Stanislaus Redd Numbers – Week 1 (week of 10/1/2012) of the DFG Stanislaus carcass survey did not note any redds; in week 2 (week of 10/8/2012), one redd was noted.

### **Other**

Schedule for November SOG Meeting

November 21, 2012 – will be call-in only from 11:00 a.m. to 12:00 p.m.

Notes by Patti Clinton and Tom Morstein-Marx