

# **Sacramento River Temperature Task Group Meeting**

**September 24, 2015**

**1:00 pm**

**Conference Line: 877-718-6527**

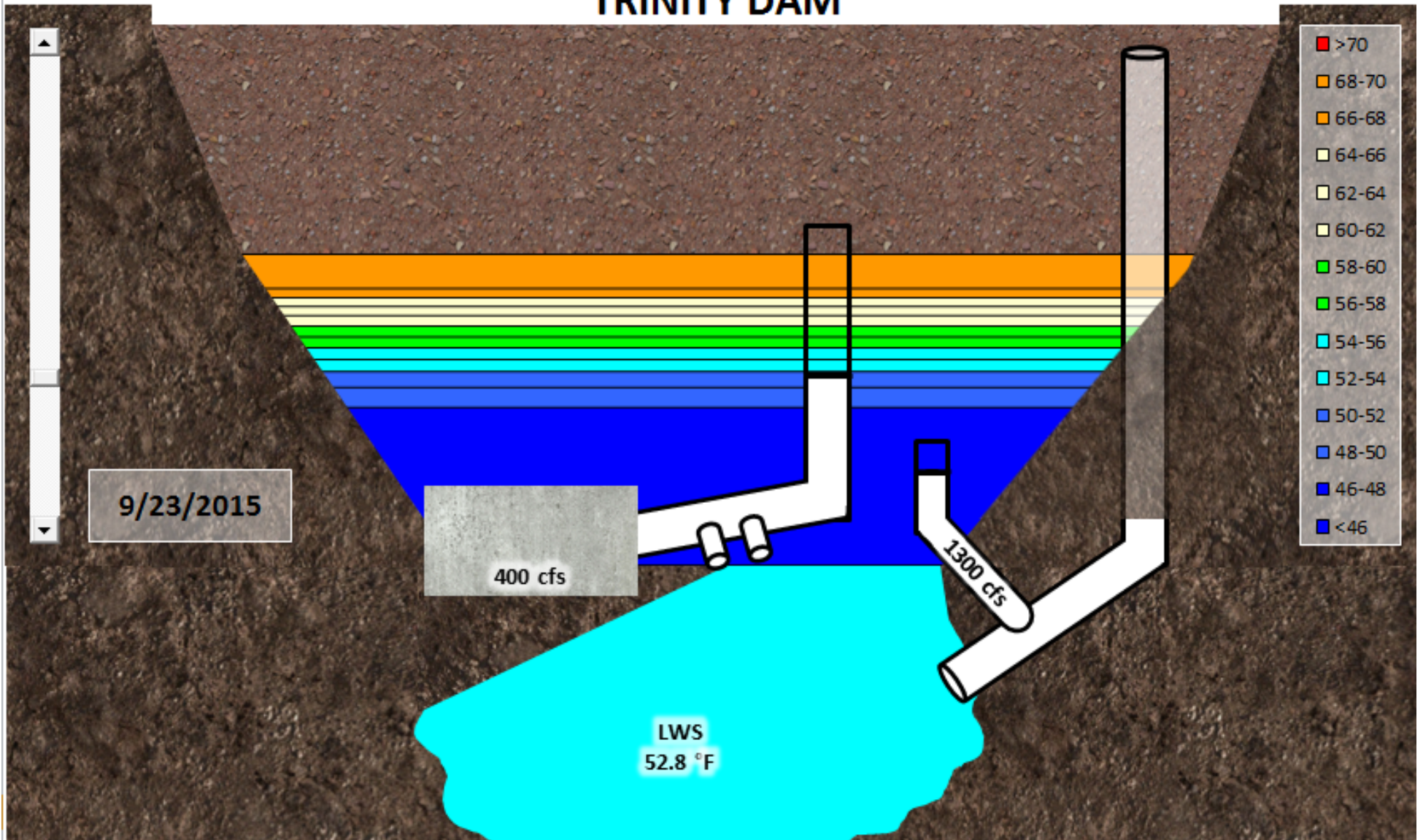
**Pass code: 1954134**

## **Agenda**

1. Introductions
2. Fishery update
3. Operation update
  - a. Trinity Snap shot and summary \*\*\*
  - b. Temperature Summary \*\*\*
  - c. CCR and SAC trend\*\*\*
4. Next meeting

\*\*\*handout

# TRINITY DAM



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

SEPTEMBER 2015

**TRINITY LAKE DAILY OPERATIONS**

RUN DATE: September 24, 2015

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		EVAPORATION		PRECIP INCHES (1)
		1000 ACRE-FEET IN LAKE	CHANGE			SPILL	OUTLET	C.F.S.	INCHES (1)	
		679.9								
1	2,213.45	674.5	-5.4	94	1,678	0	1,096	44	.22	.00
2	2,212.66	669.2	-5.3	-29	1,550	0	1,040	53	.27	.00
3	2,211.97	664.6	-4.6	98	1,339	0	1,027	53	.27	.00
4	2,211.30	660.1	-4.4	184	1,319	0	1,053	47	.24	.00
5	2,210.56	655.3	-4.9	299	1,765	0	945	44	.23	.00
6	2,209.81	650.4	-4.9	195	1,773	0	848	48	.25	.00
7	2,209.07	645.6	-4.8	225	1,783	0	847	23	.12	.00
8	2,208.22	640.1	-5.5	381	1,794	0	1,324	34	.18	.00
9	2,206.99	632.1	-7.9	224	1,609	0	2,555	47	.25	.00
10	2,205.66	623.7	-8.5	-169	1,673	0	2,382	47	.25	.00
11	2,204.71	617.7	-6.0	-114	1,653	0	1,217	46	.25	.00
12	2,204.05	613.5	-4.2	89	1,757	0	386	42	.23	.00
13	2,203.27	608.6	-4.9	12	1,574	0	854	46	.25	.00
14	2,202.64	604.7	-3.9	30	1,489	0	487	33	.18	.00
15	2,201.77	599.3	-5.4	-205	1,675	0	834	7	.04	.12
16	2,200.99	594.5	-4.8	115	1,748	0	773	22	.12	.02
17	2,200.27	590.1	-4.4	191	1,742	0	676	0	.00	.43
18	2,199.44	585.0	-5.1	-122	1,749	0	663	20	.11	.00
19	2,198.78	581.0	-4.0	18	1,197	0	822	20	.11	.00
20	2,198.13	577.1	-3.9	-121	651	0	1,171	37	.21	.00
21	2,197.50	573.3	-3.8	-200	525	0	1,149	34	.19	.00
22	2,196.91	569.7	-3.5	-29	521	0	1,199	32	.18	.00
23	2,196.28	566.0	-3.7	-132	427	0	1,294	37	.21	.00
<b>TOTALS</b>			<b>-113.8</b>	<b>1,034</b>	<b>32,991</b>	<b>0</b>	<b>24,642</b>	<b>816</b>	<b>4.36</b>	<b>.57</b>
<b>ACRE-FEET</b>			<b>-113,800</b>	<b>2,051</b>	<b>65,438</b>	<b>0</b>	<b>48,877</b>	<b>1,619</b>		

COMMENTS:

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

(1) EVAPORATION AND PRECIPITATION RECORDS TAKEN FROM STATION AT TRINITY RIVER HATCHERY.

**SUMMARY**

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	65,438	OUTLET	48,877
SPILL	0	TOTAL	114,315
		THIS MONTH =	.57
		JULY 1, 2015 TO DATE =	2.51

Temperature and Release Summary for Shasta and Trinity - September 2015

(Updated twice a week November through April)

Day	Sacramento River Water Temperatures in Degrees F Collected from CDEC (California Data Exchange Center) except for TCD, SPP and Control Point														Mean Daily Release in CFS			Mean Daily Air Temp Degrees F			
	TCD Wt. Avg.	SHD minus TCD (Diff)	Shd	SPP Wt. Avg	Kwk	Bsf	Jlf	Bnd	Rdb	Lws	Control Point 4/1 Ccr	Igo	Sac	Dgc	Shasta Generation El 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS
Aug	53.9		52.3	58.7	55.4	58.6	60.0	60.7	62.4	53.1	56.9	58.4	56.3	57.0	5,354	1,374	6,854	81.3	75.9	76.1	70.5
Sep																					
1	53.5	(1.2)	52.3	58.8	55.2	58.8	59.9	60.6	62.1	53.7	56.9	59.5	56.2	56.5	4,912	1,322	6,904	79.5	73.3	75.0	69.5
2	53.3	(1.0)	52.3	58.8	54.8	58.3	59.5	60.4	62.0	53.6	56.3	59.1	55.7	56.0	5,409	1,250	6,901	77.5	72.3	72.5	64.4
3	53.3	(1.1)	52.2	58.8	54.9	58.2	59.4	60.2	61.6	53.5	56.5	59.2	55.9	55.6	5,609	1,198	6,908	74.0	71.0	70.1	62.9
4	53.5	(1.3)	52.2	58.8	54.7	57.7	58.7	59.5	61.0	53.6	56.1	58.9	55.6	55.1	5,791	1,162	6,909	71.5	67.5	69.1	57.8
5	53.8	(1.2)	52.6	58.7	54.6	57.1	57.9	58.6	59.8	53.9	55.9	58.5	55.5	55.0	5,536	1,397	6,902	73.0	68.4	70.0	56.5
6	54.0	(1.1)	52.9	58.7	54.5	57.4	58.1	58.7	59.7	53.6	56.0	58.7	55.4	55.4	6,099	1,103	6,910	78.5	69.6	72.0	60.9
7	54.4	(1.4)	53.0	58.6	54.8	57.3	58.3	58.9	60.0	53.5	56.2	58.5	55.7	55.6	5,600	1,394	6,904	78.5	71.5	74.0	65.1
8	54.3	(1.2)	53.1	58.6	55.1	57.8	58.8	59.4	60.5	53.6	56.6	58.6	56.1	55.7	5,673	1,239	6,905	81.0	73.9	75.5	68.6
9	54.1	(1.0)	53.1	58.6	55.5	58.1	59.2	59.8	61.0	53.8	56.9	58.6	56.4	55.0	4,936	1,531	6,905	82.0	75.1	78.0	69.6
10	54.2	(0.8)	53.4	58.6	55.3	58.5	59.5	60.2	61.4	53.8	56.9	58.8	56.3	55.0	6,059	857	6,905	84.5	78.0	82.4	71.2
11	54.5	(1.0)	53.5	59.1	55.1	58.1	59.4	60.1	61.7	53.6	56.6	59.1	56.0	55.2	6,288	14	6,943	85.5	79.5	81.4	74.7
12	54.8	(1.0)	53.8	58.5	54.9	57.5	58.4	59.0	60.2	53.7	56.2	59.0	55.7	55.4	5,397	331	6,908	83.0	72.7	74.5	71.9
13	55.0	(1.1)	53.9	58.5	55.0	57.7	58.6	59.1	59.7	53.4	56.5	59.1	56.1	55.5	5,801	1,242	6,907	83.0	75.6	76.9	71.5
14	54.1	(0.8)	53.3	58.5	55.3	57.3	58.2	59.0	59.9	53.1	56.0	58.1	55.6	54.4	6,270	1,001	6,903	72.5	69.0	69.4	60.8
15	54.4	(1.0)	53.4	58.5	54.9	57.0	57.5	57.9	58.5	52.6	56.0	58.0	55.5	53.6	5,102	1,514	6,693	64.5	64.4	63.7	55.3
16	55.1	(1.0)	54.1	58.6	54.7	55.6	56.2	56.8	57.6	52.4	55.0	57.0	54.8	52.4	4,733	1,398	6,670	57.0	56.9	59.2	47.8
17	54.7	(0.5)	54.2	58.6	55.0	56.8	57.2	57.7	57.8	52.2	56.2	58.5	55.9	54.1	4,826	1,409	6,686	68.5	63.5	65.8	56.8
18	55.3	(0.8)	54.5	58.5	55.8	57.3	58.6	59.1	59.9	52.4	57.0	58.8	56.6	53.9	4,866	1,383	6,760	76.0	65.9	68.6	57.8
19	55.0	(0.8)	54.2	58.5	55.9	57.9	59.2	59.7	60.5	53.1	57.2	59.1	56.7	54.8	5,036	1,479	6,709	78.0	68.7	70.5	62.4
20	55.2	(0.8)	54.4	58.4	55.9	58.2	59.5	60.1	61.0	53.5	57.5	59.2	56.9	56.5	5,975	937	6,709	77.5	71.1	73.8	66.8
21	55.0	(0.6)	54.4	58.3	56.0	58.3	59.6	60.3	61.4	53.6	57.5	59.2	56.9	57.2	5,339	1,589	6,687	80.5	72.4	75.9	67.1
22	55.1	(0.8)	54.3	58.2	56.1	58.4	59.7	60.3	61.5	53.2	57.6	58.9	57.0	56.8	4,847	1,262	6,690	76.0	69.8	72.7	64.5
23	55.3	(0.9)	54.4	58.2	55.9	58.2	59.4	60.0	61.2	52.8	57.3	58.6	56.7	55.8	5,054	939	6,706	73.0	67.1	69.6	62.3
24		0.0																			
25		0.0																			
26		0.0																			
27		0.0																			
28		0.0																			
29		0.0																			
30		0.0																			
Avg	54.4		53.5	58.6	55.2	57.7	58.7	59.4	60.4	53.3	56.6	58.7	56.1	55.2	5,442	1,172	6,827	76.3	70.3	72.2	63.7
Tot cfs															125,158	26,951	157,024				
Tot af															248,251	53,457	311,457				

? = Average includes 1-9 estimated hourly readings

! = No Average (10-17 hours missing)

& = No Average (18 to 23 hours missing)

When available:

# = Station out of service

ND = No hourly readings or incorrect

% = Data will be down loaded from site at later date by NCAO staff.

^ = Redding Air Temp Record High

\* = Redding Air Temp Record Low

Control Point: Clear Creek 4/1/2015 to 4/17/2015 at 56.0 degrees; 4/18/2015 to 5/14/2015 at 58.0 degrees; 5/15/2015 to 6/4/2015 56.0; 6/5/2015 to present 58.0 degrees.

PRELIMINARY

