

# **Sacramento River Temperature Task Group Meeting**

**June 18, 2015**

**1:00 pm**

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

**Pass code: 1954134**

## **Agenda**

1. Introductions
2. Fishery update
3. Operation update
  - a. Temperature Summary \*\*\*
  - b. Shasta Profile \*\*\*
  - c. PRG #1 open on 6/17
4. Next meeting

\*\*\*handout

Temperature and Release Summary for Shasta and Trinity - June 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	Shasta Generation El 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
May	52.6		52.4	53.7	53.8	56.7	58.2	58.8	60.3	49.9	55.2	55.3	na	5,953	30	7,071	70.6	66.9	67.1	60.4	
Jun																					
1	53.9	(1.1)	52.8	53.6	54.3	57.1	58.8	59.4	60.6	51.0	55.7	56.1		6,118	673	7,019	69.5	66.6	67.0	58.4	
2	54.6	(1.0)	53.6	53.7	54.4	57.5	59.6	60.2	61.7	51.1	56.2	56.7		6,220	675	7,082	75.0	72.2	71.3	62.3	
3	54.2	(0.9)	53.3	53.7	55.0	57.6	59.7	60.4	62.2	50.9	56.3	56.7		6,000	630	7,078	77.0	71.8	73.2	61.0	
4	54.3	(1.1)	53.2	53.6	55.1	58.1	60.1	60.9	62.5	51.4	56.4	56.8		6,513	673	7,037	76.5	74.2	76.3	62.4	
5	54.3	(1.1)	53.2	53.7	55.0	57.9	59.8	60.5	62.4	51.9	56.7	57.2		6,645	674	7,080	83.0	77.5	80.7	67.9	
6	54.4	(1.2)	53.2	53.7	55.2	58.5	60.9	61.6	63.2	51.8	56.9	57.6		6,290	593	7,084	85.0	82.0	82.7	72.8	
7	54.8	(1.3)	53.5	53.8	55.4	58.8	61.2	62.1	64.2	51.8	57.1	57.7		6,374	368	7,087	87.0	83.0	83.6	75.1	
8	55.0	(1.4)	53.6	53.8	55.5	59.0	61.5	62.4	64.5	52.0	57.3	57.8		6,706	691	7,026	89.0	86.0	86.6	76.2	
9	54.9	(1.4)	53.5	53.8	55.8	59.1	61.5	62.4	64.7	52.0	57.3	57.9		5,741	1,089	7,023	90.0	82.1	84.0	71.7	
10	53.8	(53.8)	53.8	54.0	55.5	59.2	61.4	62.2	64.1	52.6	57.4	58.0		5,781	675	7,031	81.5	75.2	75.5	73.1	
11	54.8	(1.2)	53.6	54.0	56.0	59.1	61.5	62.3	64.4	52.6	57.6	57.9	56.9	6,038	675	6,997	85.0	80.6	82.7	74.5	
12	54.6	(1.1)	53.5	54.0	56.0	59.5	61.9	62.8	64.8	52.9	57.7	58.0	56.9	5,643	755	6,977	95.5	86.3	87.8	75.2	
13	54.8	(1.3)	53.5	54.0	56.2	59.6	62.1	62.9	65.0	52.8	58.0	57.9	57.3	6,243	817	6,973	88.5	83.2	84.5	74.6	
14	55.2	(0.9)	54.3	54.0	56.0	59.7	62.0	63.0	65.1	53.0	57.8	57.8	57.0	5,931	696	6,931	84.5	78.9	78.6	72.5	
15	55.7	(1.6)	54.1	54.1	56.1	59.5	61.7	62.6	64.7	53.0	57.8	57.3	57.0	6,835	434	6,887	82.5	77.0	76.5	71.0	
16	56.0	(1.9)	54.1	54.2	56.5	59.5	61.7	62.5	64.6	52.9	58.0	56.7	57.4	6,377	677	6,879	83.5	79.3	79.9	70.7	
17	54.3	(0.7)	53.6	54.2	56.7	59.8	62.1	62.9	64.9	53.0	58.4	56.4	57.7	5,643	830	6,894	86.0	80.3	80.6	71.4	
18		0.0																			
19		0.0																			
20		0.0																			
21		0.0																			
22		0.0																			
23		0.0																			
24		0.0																			
25		0.0																			
26		0.0																			
27		0.0																			
28		0.0																			
29		0.0																			
30		0.0																			
Avg	54.7		53.5	53.9	55.6	58.8	61.0	61.8	63.7	52.2	57.2	57.3		6,182	684	7,005	83.5	78.6	79.5	70.0	
Tot cfs														105,098	11,625	119,085					
Tot af														208,462	23,058	236,205					

? = Average includes 1-9 estimated hourly readings

! = No Average (10-17 hours missing)

& = No Average (18 to 23 hours missing)

# = Station out of service

ND = No hourly readings or incorrect

When available:

^ = 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 present 56.0 degrees.

PRELIMINARY

**Department of the Interior**  
**Bureau of Reclamation**  
 NCAO

Shasta Lake Profile

Date: 6/16/2015 Time: 10:45 Observer: Gotham, Martin  
 Precipitation Last 48 Hours: 0 Weather: sunny and hot  
 Thermometer ID: YSI 6600A Air Temperature (Degrees F): 87 Storet Code: SH21

Lake Surface Elevation: <u>974.14</u>	<b>Temperature</b>	<b>Turbidity</b>
All Elevations in M.S.L. (Mean Sea Level)	<b>400 Feet Upstream of Dam</b>	<b>400 Feet Upstream of Dam</b>
	Surface: <u>77.9</u>	Surface: <u>1.1</u>
	Elevation 1050': _____	Elevation 1050': _____
	1025': _____	1025': _____
	1000': _____	1000': _____
	975': _____	975': _____
	950': <u>77.2</u>	950': <u>1.2</u>
	925': <u>60.6</u>	925': <u>1.1</u>
	900': <u>53.7</u>	900': <u>1.3</u>
	875': <u>50.1</u>	875': <u>1.8</u>
	850': <u>49.2</u>	850': <u>2.4</u>
	825': <u>48.8</u>	825': <u>2.6</u>
	800': <u>48.5</u>	800': <u>2.7</u>
Spillway Outlet ( Elevation = 942)': <u>0</u>	775': <u>48.1</u>	775': <u>2.8</u>
Spillway Outlet ( Elevation = 842)': <u>0</u>	750': <u>47.8</u>	750': <u>3.0</u>
Spillway Outlet ( Elevation = 742)': <u>0</u>	725': <u>47.5</u>	725': <u>3.0</u>
Power ( Elevation = 815)': <u>4380</u>	700': <u>47.3</u>	700': <u>3.2</u>
Tailbay Water Surface Elevation: <u>579.82</u>	675': <u>47.2</u>	675': <u>3.4</u>
Tailbay Water Temperature: <u>54.1</u>	650': _____	650': _____
Tailbay Water Turbidity: <u>1.5</u>	625': _____	625': _____

Remarks: Secchi depth = 19 feet.