

# **Sacramento River Temperature Task Group Meeting**

**September 17, 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 Temperature snapshots\*\*\*
4. Next meeting

\*\*\*handout

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	
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Avg	54.1		53.1	58.7	55.0	57.7	58.6	59.3	60.4	53.5	56.3	58.7	55.8	55.1	5,576	1,122	6,880	76.6	71.2	72.7	64.3	
Tot cfs															89,215	17,953	110,077					
Tot af															176,958	35,610	218,338					

? = Average includes 1-9 estimated hourly readings  
# = Station out of service

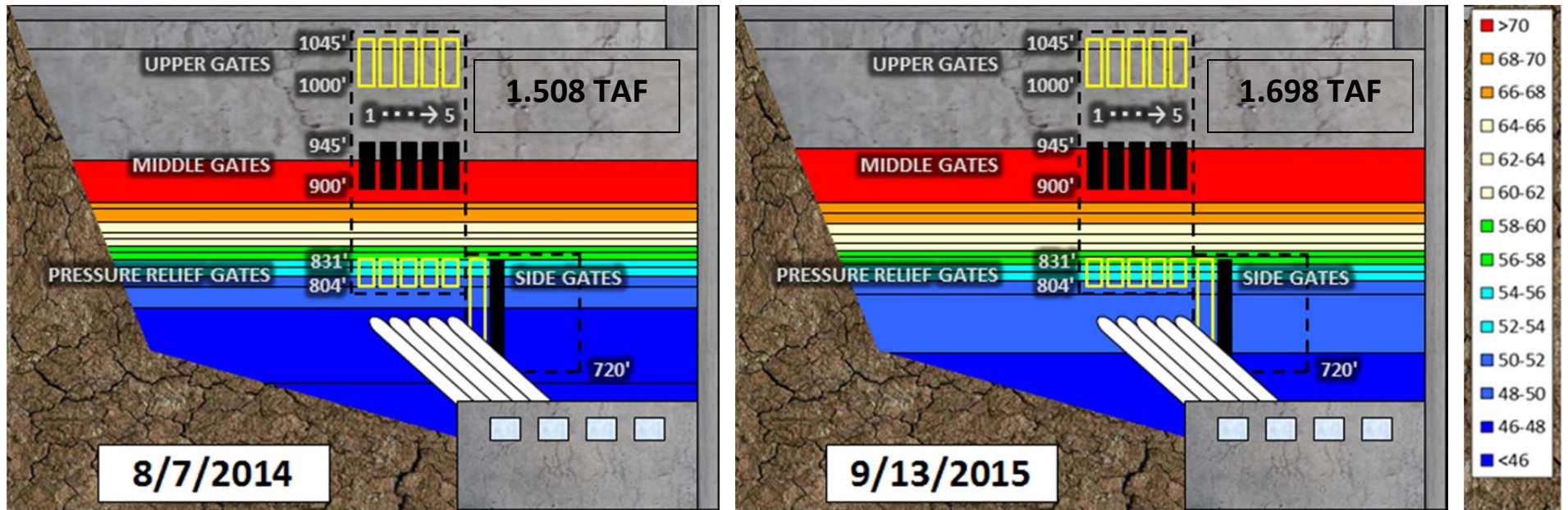
! = No Average (10-17 hours missing)  
ND = No hourly readings or incorrect

& = No Average (18 to 23 hours missing)  
% = Data will be down loaded from site at later date by NCAO staff.

When available:  
^ = Redding Air Temp Record High  
\* = Redding Air Temp Record Low

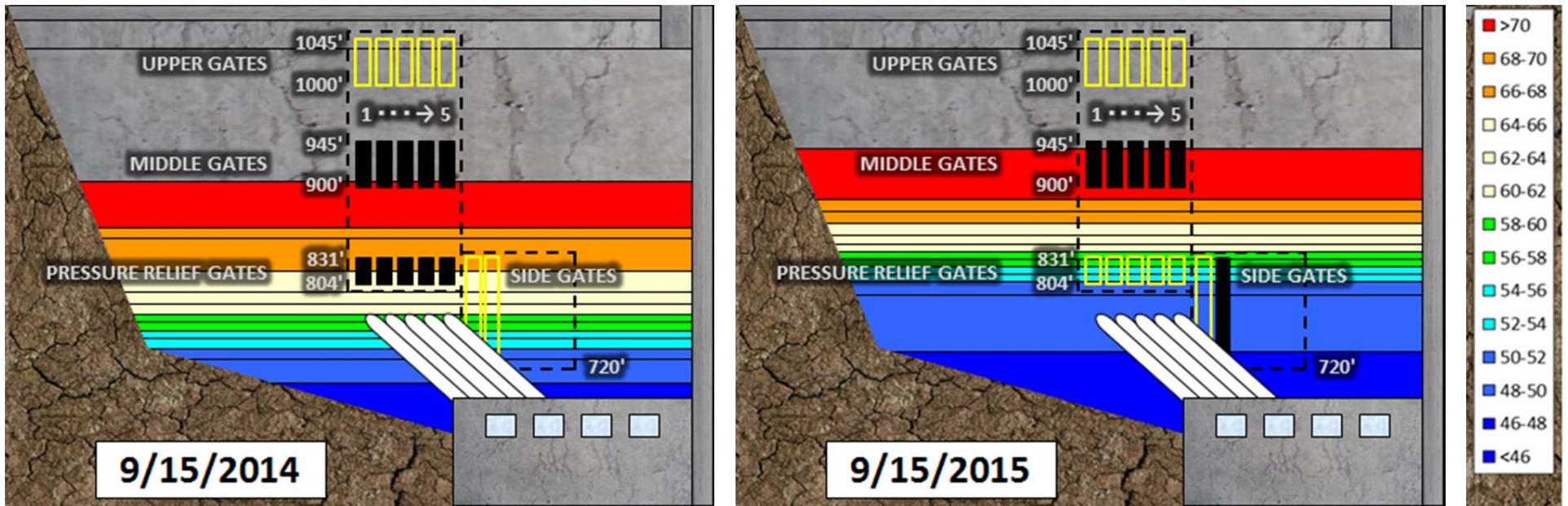
Control Point: Clear Creek 4/1/2015 to 4/17/2015 at 56.0 degrees; 4/18/2015 to 5/14/2015 at 58.0 degrees; 5/15/2015 to 6/4/2015 56.0; 6/5/2015 to present 58.0 degrees.

PRELIMINARY

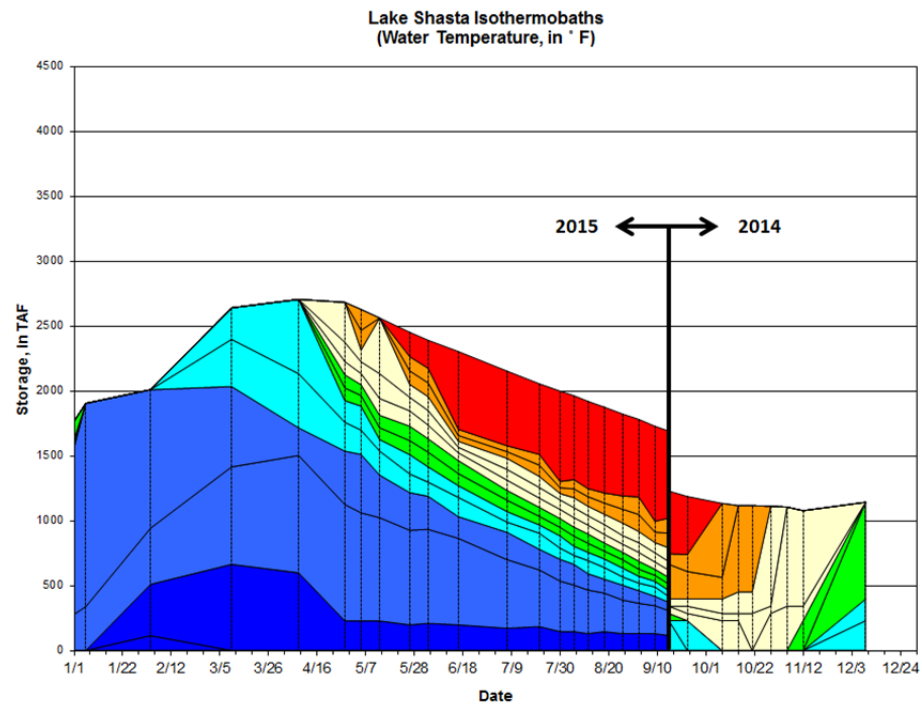


\*NOTE: Yellow outline indicates open position, Solid Black indicates closed position.

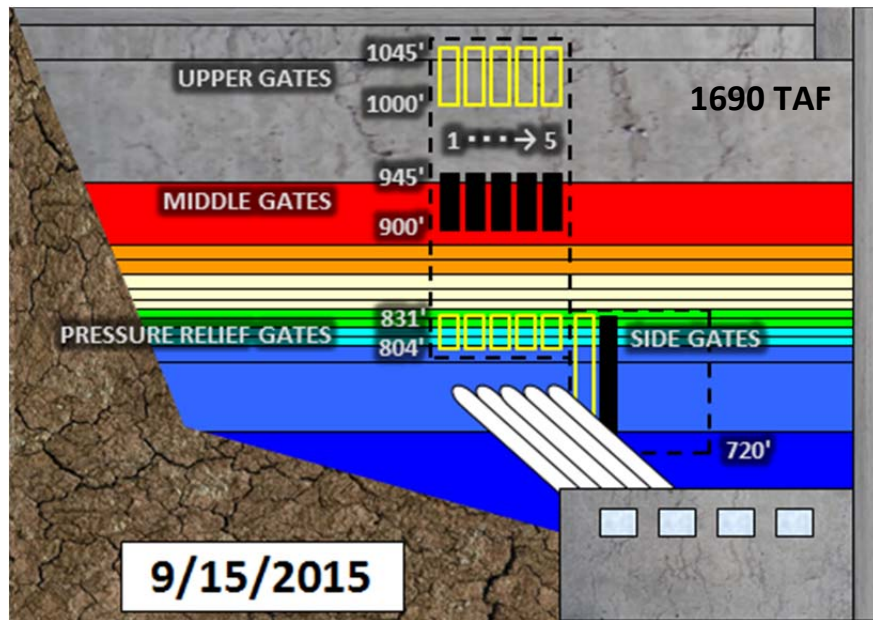
First Side Gate open 2014 vs. 2015	2014	2015
First side gate open and 5 PRG's open	August 7, 2014	September 13, 2015
Keswick Release at date of First Side Gate open	8,000 cfs	7,200 cfs
Keswick Release 15 days from First Side Gate open	7,500 cfs	7,000 cfs (projection)
Storage at First Side Gate open	1.508 TAF	1.698 TAF
<b>2014 vs. 2015</b>		
Temperature target	56 degree	57 degree not to exceed 58
Additional Tools		TCD Curtain



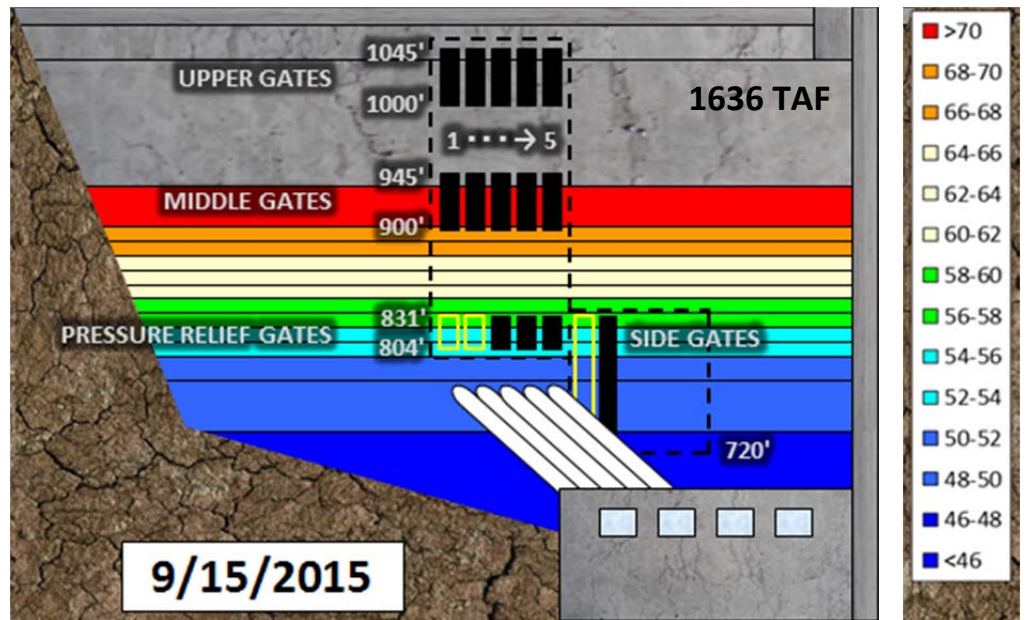
\*NOTE: Yellow outline indicates open position, Solid Black indicates closed position.



## ACTUAL OPERATIONS



## OPERATIONS FORECASTED AUGUST 31<sup>st</sup>



\*NOTE: Yellow outline indicates open position, Solid Black indicates closed position.