



# United States Department of the Interior

BUREAU OF RECLAMATION  
Central Valley Operations Office  
3310 El Camino Avenue, Suite 300  
Sacramento, California 95821

IN REPLY  
REFER TO:

CVO-400  
WTR-4.10

**SEP 23 2016**

VIA ELECTRONIC MAIL

Mr. Les Grober  
Deputy Director, Division of Water Rights  
State Water Resources Control Board  
P.O. Box 2000  
Sacramento, CA 95812

Subject: Monitoring and Reporting Program on Water Rights Order No. 90-5 (Water Rights)

Dear Mr. Grober:

For the month of August, the temperature control point was set at Balls Ferry, per the June 2016 Sacramento Temperature Plan. The Sacramento River Temperature Task Group met on August 28, 2016, and agreed to a 56° F daily average temperature at Balls Ferry.

During August 2016, the average daily water temperature compliance of 56.0° F or less was met at the Balls Ferry compliance point on the Sacramento River. During the month of August 2016, the average monthly water temperature was 54.7° F at Balls Ferry.

Enclosed is the monitoring report for August 2016, under Order No. 90-5. The report contains the following data:

<b>Station</b>	<b>Description</b>
Shasta Inlets (R-1) “	Water Temperature Profile Turbidity, monthly, ntu
Shasta Dam (R-2) “	Water Temperature, daily average, degrees F Turbidity, ntu, monthly
Shasta Dam (R-2a)	Flow, average daily, cfs
Keswick (R-3) “	Water Temperature, daily average, degrees F Turbidity, ntu, monthly
Keswick (R-3a)	Flow, average daily, cfs

<b>Station</b>	<b>Description</b>
Spring Creek Power plant (R-4) “	Water Temperature, daily average, degrees F Turbidity, ntu, monthly Flow, average daily cfs
Jellys Ferry (R-5) (Control Point)	Water Temperature, daily average, degrees F Turbidity, ntu, monthly
Sacramento at Delta (R-6)	Water Temperature, monthly, degrees F Turbidity, ntu, monthly
McCloud (R-7) “	Water Temperature, monthly, degrees F Turbidity, ntu, monthly
Pit River (R-8) “	Water Temperature, monthly, degrees F Turbidity, ntu, monthly
Lewiston (R-9)	Water Temperature, daily average, degrees F
Lewiston (R-9a)	Flow, average daily, cfs

Please contact Ms. Thuy Washburn at 916-979-2193 should you have any questions regarding this data.

Sincerely,



Elizabeth Kiteck  
Chief, Water Operations Division

Enclosures

cc: Mr. Kenneth Emanuel  
Division of Water Rights  
State Water Resources Control Board  
P.O. Box 2000  
Sacramento, CA 95812  
(w/encl)

Central Valley Operations Office  
 \*Data obtained from the California Data Exchange Center  
 \*\*Data calculated by the Central Valley Operations Office  
 \*\*\*Measurements taken by the Northern CA Area Office Personnel  
**Water Temperature Data in Degrees F**  
**August 2016**

Req. Sampling Frequency - Daily Average (Reading indicates daily average)						Req. Sampling Frequency - Monthly			
	Sta 2	Sta 3	Sta 4	Sta 5	Sta9		Sta 6	Sta 7	Sta 8
Date	Shd*	Kwk*	Spp**	Bsf**	Lws*		Dlt***	Mss***	Pmn***
1	50.2	52.0	56.1	54.8	54.0				
2	50.2	52.1	56.2	54.7	53.8				
3	50.3	52.1	56.2	54.7	53.8				
4	50.3	52.0	56.3	54.7	54.1				
5	50.6	52.0	56.4	54.7	53.9				
6	50.6	52.2	56.4	54.8	54.2				
7	50.6	52.2	56.5	55.0	54.2				
8	50.6	52.2	56.5	55.0	54.5				
9	50.6	52.6	56.6	55.4	54.9				
10	50.2	52.3	56.6	55.3	55.2				
11	50.4	52.0	56.7	55.0	55.4				
12	50.4	52.3	56.6	55.0	55.4				
13	50.2	52.1	56.8	55.2	55.5				
14	50.1	52.0	56.9	54.9	55.6				
15	50.2	52.1	56.9	54.8	56.0				
16	50.4	52.1	57.0	55.1	55.9				
17	50.0	52.3	56.9	55.3	56.4				
18	50.0	52.2	56.8	55.3	56.6		69.1		
19	49.6	52.0	56.9	55.1	56.5				
20	49.6	51.6	57.0	54.7	56.8				
21	49.5	51.6	57.0	54.5	56.7				
22	49.6	51.6	57.1	54.4	56.5				
23	49.6	51.9	57.1	54.5	56.2				
24	49.7	51.8	57.2	54.6	56.2				66.9
25	49.8	51.6	57.6	54.4	55.1			60.3	
26	49.9	51.3	57.2	54.1	55.0				
27	50.0	51.5	57.3	54.0	54.9				
28	50.0	51.4	57.4	54.0	54.7				
29	50.1	51.4	57.4	53.6	-				
30	50.1	51.4	57.4	53.8	-				
31	50.2	51.5	57.4	53.9	-				

Control Point: 8/1-8/31 BSF @ 56.0 DAT

**Cross Channel Gate Operation:**  
 August 01-31 open

**Measurements taken by the Northern CA Area Office Personnel  
August 2016**

<b>TEMPERATURE</b>						
Sampling Frequency						
Every two weeks May 1 through November 30.						
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	
Lake Elev	8/1/2016	8/8/2016	8/15/2016	8/22/2016	8/29/2016	
MSL	Temperature Degrees F	Temperature Degrees F	Temperature Degrees F	Temperature Degrees F	Temperature Degrees F	Temperature Degrees F
	(400 Feet Upstream of Dam)					
	<b>Time: 11:00</b>	<b>Time: 11:00</b>	<b>Time: 12:00</b>	<b>Time 11:00</b>	<b>Time: 11:00</b>	
625	46.1	46.1	46.1	46.1	46.1	46.1
650	46.1	46.1	46.2	46.2	46.2	46.2
675	46.1	46.2	46.2	46.2	46.2	46.2
700	46.2	46.2	46.3	46.3	46.3	46.3
725	46.3	46.3	46.4	46.4	46.4	46.4
750	46.5	46.5	46.5	46.6	46.6	46.6
775	46.8	46.8	46.9	46.9	47.0	47.0
800	47.2	47.2	47.3	47.4	47.6	47.6
825	47.7	47.6	47.8	48.1	48.1	48.1
850	48.2	48.2	48.3	48.6	48.8	48.8
875	48.6	48.6	48.8	49.2	49.4	49.4
900	49.1	49.4	49.8	50.6	51.8	51.8
925	50.4	51.2	53.0	55.1	57.1	57.1
950	55.6	57.4	59.8	62.1	64.9	64.9
975	63.2	65.0	66.6	68.0	70.3	70.3
1000	72.9	78.7	78.7	79.7	78.3	78.3
1025	80.2	78.8				
1050						
Lake Surface	80.2 @ 1030.36'	78.7 @ 1026.67'	79.4 @ 1022.64'	79.8 @ 1018.95'	78.3 @ 1015.14'	

<b>TURBIDITY</b>						
Sampling Frequency						
Monthly, except weekly May 1 through Sep 30, when turbidity at Station 2 is equal to or greater than 10 NTU						
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	
Lake Elev	8/1/2016	8/8/2016	8/15/2016	8/22/2016	8/29/2016	
MSL	Turbidity ntu	Turbidity ntu	Turbidity ntu	Turbidity ntu	Turbidity ntu	Turbidity ntu
	(400 Feet Upstream of Dam)					
	<b>Time: 11:00</b>	<b>Time: 11:00</b>	<b>Time: 12:00</b>	<b>Time 11:00</b>	<b>Time: 11:00</b>	
625	5.9	6.4	5.6	5.8	6.1	6.1
650	5.6	5.7	5.4	5.6	5.4	5.4
675	5.5	5.7	5.3	5.2	5.2	5.2
700	5.4	5.7	5.3	5.3	5.4	5.4
725	5.2	5.4	5.3	5.4	5.4	5.4
750	5.2	5.4	5.3	5.2	5.3	5.3
775	5.1	5.2	5.0	5.0	5.1	5.1
800	4.8	5.1	4.9	4.7	4.8	4.8
825	4.6	4.9	4.7	4.5	4.6	4.6
850	4.4	4.8	4.4	4.1	3.8	3.8
875	4.3	4.5	4.2	3.6	3.2	3.2
900	3.8	3.7	3.1	2.2	1.3	1.3
925	2.6	2.0	1.1	0.5	0.4	0.4
950	0.6	0.7	0.6	0.3	0.1	0.1
975	0.4	0.6	0.5	0.3	0.2	0.2
1000	0.3	0.6	0.7	0.4	0.4	0.4
1025	0.4	0.6				
1050						
Lake Surface	0.4 @ 1030.36'	0.6 @ 1026.67'	0.6 @ 1022.64'	0.4 @ 1018.95'	0.4 @ 1015.14'	

Central Valley Operations Office  
Measurements taken by the Northern CA Area Office Personnel

**Summary of Turbidity and Dissolved Oxygen Water Sampling  
August 2016**

Turbidity Measurements, NTU

**Sampling Frequency**

Monthly, except weekly from May 1 through September 30, when turbidity at Station 2 is equal to or greater than 10 NTU.

**Station**

	R-2	R-3a	R-4	R-5	R-6	R-7	R-8
	Shasta Dam		Spring	Clear Creek			
	Discharge	Keswick	Creek PP		Sacramento	McCloud	Pit
Day	at Bridge	Discharge	Discharge		River (DLT)	River	River
17			1.2				
18				2.8	0.6		
19	3.7						
23		3.5					
24							1.3
25						0.7	

Dissolved Oxygen, mg/l

**Sampling Frequency**

Every two weeks from May 1 through September 30; samples to be taken before 1000 hours.

**Station**

	R-2	R-3	R-5	Hour
	Shasta Dam			Time Sample
	Discharge	Keswick		Taken
Day	at Bridge	Discharge	Clear Creek	
18			12.2	11:40
19	10.4			8:50
23		10.9		9:26

**Control Point: 8/1-8/31 BSF @ 56.0 DAT**

UNITED STATES DEPARTMENT OF THE INTERIOR  
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA  
**SHASTA LAKE, DAM AND POWERPLANT**

RUN DATE: September 2, 2016

**QG**

**GENERATION RELEASE, CFS**

**WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,701	4,248	4,120	2,851	1,110	2,381	4,584	5,242	6,889	8,578	9,008	
2	5,680	4,351	3,597	2,573	1,133	2,353	3,474	5,090	7,259	8,355	8,975	
3	5,648	5,011	4,233	2,570	2,192	1,546	5,461	5,425	7,288	7,731	9,065	
4	5,222	4,048	3,150	2,693	2,234	2,223	4,787	5,403	6,875	8,211	8,937	
5	5,649	4,740	2,511	2,020	2,166	2,079	4,678	5,577	7,503	8,097	9,250	
6	5,732	4,341	3,604	2,058	2,086	1,179	5,062	5,974	7,299	7,702	9,070	
7	6,419	4,456	3,756	2,175	2,413	2,407	5,124	5,855	7,479	8,396	8,876	
8	6,374	4,480	4,236	2,223	3,037	975	4,644	5,462	7,615	8,733	9,138	
9	5,750	4,508	3,565	2,199	3,452	1,198	3,622	5,628	7,472	8,365	9,175	
10	5,635	4,975	3,349	2,245	3,326	833	4,799	6,251	7,986	8,989	9,158	
11	5,559	4,165	3,288	2,621	2,713	560	3,401	5,895	7,633	9,366	8,818	
12	6,084	4,206	3,219	2,790	2,322	401	4,462	5,890	7,369	8,688	9,132	
13	5,843	4,281	3,129	1,760	2,756	551	4,229	5,820	7,145	8,832	9,505	
14	5,619	4,308	3,404	1,382	2,851	445	4,694	5,853	7,564	8,100	8,892	
15	4,995	4,018	3,847	1,851	2,723	1,262	4,492	5,725	7,299	8,817	8,472	
16	5,560	3,170	4,295	1,753	2,361	1,880	4,442	5,800	7,648	8,277	9,157	
17	5,747	4,073	4,139	827	2,110	3,097	4,760	6,264	7,501	8,298	9,084	
18	5,165	3,737	3,327	1,070	1,901	17,515	4,887	6,124	8,269	8,565	8,942	
19	5,503	3,900	3,626	1,098	3,150	17,239	4,468	6,492	8,341	8,559	9,026	
20	6,131	3,685	3,497	962	2,982	16,888	4,826	6,069	8,357	8,650	8,560	
21	4,776	3,481	2,724	109	3,242	17,088	4,025	5,913	8,510	9,106	9,050	
22	4,020	3,584	3,411	400	2,364	17,034	4,555	5,653	7,536	9,221	8,699	
23	4,646	3,593	3,556	762	2,668	14,719	4,982	6,077	7,810	9,207	8,367	
24	4,441	4,062	3,346	764	2,590	13,787	4,781	6,475	8,313	8,812	8,759	
25	4,711	4,045	3,848	867	2,725	11,638	4,818	5,828	8,238	8,931	8,921	
26	4,218	3,492	2,388	1,993	3,106	9,849	4,708	4,796	7,694	9,191	9,396	
27	4,444	3,605	2,222	1,784	2,704	6,758	4,508	6,297	7,575	9,222	9,334	
28	3,627	3,796	3,235	1,072	2,653	4,247	4,550	5,571	7,800	9,184	9,478	
29	4,538	3,572	2,967	1,077	3,002	4,327	4,381	6,369	7,311	9,232	9,631	
30	4,774	3,771	2,958	491		5,232	4,757	5,548	7,621	8,896	9,517	
31	4,687		2,974	393		5,651		6,478		8,789	9,420	
<b>TOTAL</b>	<b>162,898</b>	<b>121,672</b>	<b>105,521</b>	<b>49,433</b>	<b>74,072</b>	<b>187,342</b>	<b>136,941</b>	<b>180,844</b>	<b>229,199</b>	<b>269,100</b>	<b>280,812</b>	
<b>MEAN</b>	<b>5,255</b>	<b>4,056</b>	<b>3,404</b>	<b>1,595</b>	<b>2,554</b>	<b>6,043</b>	<b>4,565</b>	<b>5,834</b>	<b>7,640</b>	<b>8,681</b>	<b>9,058</b>	
<b>MAX</b>	<b>6,419</b>	<b>5,011</b>	<b>4,295</b>	<b>2,851</b>	<b>3,452</b>	<b>17,515</b>	<b>5,461</b>	<b>6,492</b>	<b>8,510</b>	<b>9,366</b>	<b>9,631</b>	
<b>MIN</b>	<b>3,627</b>	<b>3,170</b>	<b>2,222</b>	<b>109</b>	<b>1,110</b>	<b>401</b>	<b>3,401</b>	<b>4,796</b>	<b>6,875</b>	<b>7,702</b>	<b>8,367</b>	

**WATER YEAR TOTALS**

<b>TOTAL</b>	<b>1,797,834</b>
<b>DAILY MEAN</b>	<b>5,351</b>
<b>DAILY MAX</b>	<b>17,515</b>
<b>DAILY MIN</b>	<b>109</b>
	<b>03/18/2016</b>
	<b>01/21/2016</b>

UNITED STATES DEPARTMENT OF THE INTERIOR  
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA  
**KESWICK DAM, RESERVOIR, AND POWERPLANT**

RUN DATE: September 2, 2016

**QT**

**TOTAL RELEASE, CFS**

**WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,542	5,068	3,995	3,121	2,974	3,118	4,991	5,178	7,092	9,399	10,189	
2	6,544	4,685	3,996	3,121	2,973	3,118	4,881	5,192	7,528	9,390	10,190	
3	6,545	4,698	3,993	3,121	2,970	3,119	4,834	5,192	7,576	9,387	10,193	
4	6,543	4,702	3,997	3,119	2,969	3,091	4,840	5,672	7,614	9,387	10,187	
5	6,545	4,704	4,058	3,076	2,972	3,163	4,728	5,696	7,644	9,388	10,189	
6	6,544	4,704	4,208	3,080	2,994	3,161	4,588	5,692	7,644	9,410	10,190	
7	6,544	4,701	4,211	3,091	2,996	3,163	4,594	5,756	7,627	9,388	10,156	
8	6,536	4,704	4,213	3,086	2,992	3,109	4,587	5,842	7,621	10,052	10,071	
9	6,505	4,702	4,204	3,078	3,012	3,025	4,582	5,953	7,618	10,087	10,083	
10	6,534	4,701	4,161	3,051	3,067	3,091	4,588	6,237	7,618	10,087	9,963	
11	6,510	4,697	4,190	3,064	3,070	4,219	4,588	6,242	7,618	10,081	10,048	
12	6,511	4,505	4,192	3,065	3,051	4,514	4,612	6,241	7,617	10,088	10,187	
13	6,509	4,288	4,139	3,068	3,052	4,609	4,659	6,199	7,628	10,087	10,188	
14	6,506	4,290	4,137	3,033	3,055	4,504	4,645	6,193	7,669	10,092	10,159	
15	6,510	4,150	4,156	3,088	3,054	4,598	4,648	6,194	7,644	10,090	10,074	
16	6,509	3,953	4,162	3,120	3,055	4,692	4,644	6,193	7,642	10,123	10,137	
17	6,506	3,944	4,171	3,013	3,055	4,692	4,647	6,195	7,641	10,090	10,159	
18	6,498	4,039	4,171	2,994	3,050	18,000	4,648	6,192	8,395	10,086	10,188	
19	6,652	4,081	4,172	2,970	3,054	18,874	4,648	6,191	8,779	10,090	10,187	
20	6,188	4,035	4,171	2,981	3,055	18,591	4,650	6,193	8,775	10,086	10,137	
21	5,913	4,053	4,170	2,974	3,057	18,537	4,667	6,193	8,777	10,089	10,138	
22	5,732	4,084	4,153	2,973	3,052	18,558	4,669	6,193	8,790	10,090	10,170	
23	5,472	4,061	3,889	2,932	3,066	16,063	4,667	6,192	8,793	10,090	10,140	
24	5,467	4,084	3,632	2,961	3,092	13,226	4,669	6,194	8,787	10,088	10,140	
25	5,388	4,044	3,335	3,045	3,119	10,631	4,669	6,192	8,789	10,085	10,113	
26	5,164	4,017	3,079	3,047	3,121	8,552	4,589	6,229	8,788	10,044	10,134	
27	5,164	4,012	3,082	3,046	3,118	7,136	4,689	6,243	8,692	9,966	10,136	
28	5,166	4,005	3,092	3,046	3,119	4,890	4,717	6,242	8,692	10,151	10,141	
29	5,168	3,996	3,133	3,063	3,119	4,885	4,720	6,241	8,689	10,188	10,196	
30	4,866	3,996	3,101	3,044	3,044	4,936	4,743	6,243	8,691	10,189	10,162	
31	4,803		3,103	2,999		4,942		6,244	10,188		10,135	
<b>TOTAL</b>	<b>188,584</b>	<b>129,643</b>	<b>120,466</b>	<b>94,470</b>	<b>88,333</b>	<b>230,807</b>	<b>140,401</b>	<b>186,849</b>	<b>242,478</b>	<b>308,056</b>	<b>314,480</b>	
<b>MEAN</b>	<b>6,083</b>	<b>4,321</b>	<b>3,886</b>	<b>3,047</b>	<b>3,046</b>	<b>7,445</b>	<b>4,680</b>	<b>6,027</b>	<b>8,083</b>	<b>9,937</b>	<b>10,145</b>	
<b>MAX</b>	<b>6,652</b>	<b>5,068</b>	<b>4,213</b>	<b>3,121</b>	<b>3,121</b>	<b>18,874</b>	<b>4,991</b>	<b>6,244</b>	<b>8,793</b>	<b>10,189</b>	<b>10,196</b>	
<b>MIN</b>	<b>4,803</b>	<b>3,944</b>	<b>3,079</b>	<b>2,932</b>	<b>2,969</b>	<b>3,025</b>	<b>4,582</b>	<b>5,178</b>	<b>7,092</b>	<b>9,387</b>	<b>9,963</b>	

**WATER YEAR TOTALS**

<b>TOTAL</b>	<b>2,044,567</b>
<b>DAILY MEAN</b>	<b>6,085</b>
<b>DAILY MAX</b>	<b>18,874</b>
<b>DAILY MIN</b>	<b>2,932</b>
	<b>03/19/2016</b>
	<b>01/23/2016</b>

UNITED STATES DEPARTMENT OF THE INTERIOR  
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA  
**LEWISTON DAM, LAKE, AND JUDGE FRANCIS CARR POWERPLANT**

RUN DATE: September 2, 2016

QR

RELEASE TO RIVER, CFS

**WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	439	331	313	305	305	305	316	2,158	3,267	1,822	492	
2	439	321	305	305	305	303	315	2,408	3,050	1,608	453	
3	439	321	305	305	305	305	315	2,869	3,183	1,612	454	
4	436	323	305	305	305	305	314	3,436	3,306	1,491	453	
5	449	323	305	305	305	304	318	3,281	2,927	1,474	453	
6	466	323	305	305	305	305	314	3,992	2,746	1,420	452	
7	468	324	305	305	305	305	316	3,809	2,791	1,424	450	
8	464	323	305	305	305	305	317	5,643	2,749	1,385	454	
9	467	308	305	305	305	337	319	8,708	2,525	1,307	451	
10	468	300	305	305	305	305	317	9,452	2,400	1,262	450	
11	464	300	305	305	305	316	323	7,513	2,589	1,194	450	
12	465	299	305	305	305	316	331	5,941	2,246	1,185	450	
13	467	296	305	305	305	313	330	8,490	2,191	1,189	451	
14	467	296	305	305	305	312	320	9,218	2,417	1,188	449	
15	467	295	305	305	305	310	331	7,417	2,173	1,183	450	
16	467	297	305	305	305	316	330	5,645	2,209	1,191	450	
17	467	305	305	305	305	321	330	4,411	2,308	1,189	449	
18	467	326	305	305	305	320	325	4,206	1,848	1,061	448	
19	467	323	305	305	305	319	325	4,235	1,986	985	448	
20	426	326	305	305	305	319	324	4,146	2,010	907	455	
21	346	328	305	305	305	319	572	4,041	2,011	835	465	
22	309	327	305	305	305	320	488	3,961	2,008	740	475	
23	301	325	305	305	305	319	484	3,960	2,024	701	486	
24	301	325	305	305	305	318	484	3,914	1,996	702	485	
25	303	327	305	305	305	313	1,024	3,447	1,807	702	777	
26	305	326	305	305	305	312	1,383	3,615	1,759	701	1,173	
27	305	325	305	305	305	311	1,988	3,381	1,871	703	1,238	
28	309	327	305	305	305	314	1,594	3,335	1,669	704	1,239	
29	318	328	305	305	305	315	2,126	3,294	1,625	648	1,245	
30	318	327	305	305	305	315	2,946	3,484	1,709	589	1,241	
31	319		305	305	305	314		3,334		553	1,239	
<b>TOTAL</b>	<b>12,593</b>	<b>9,525</b>	<b>9,463</b>	<b>9,455</b>	<b>8,845</b>	<b>9,711</b>	<b>19,519</b>	<b>146,744</b>	<b>69,400</b>	<b>33,655</b>	<b>19,125</b>	
<b>MEAN</b>	<b>406</b>	<b>318</b>	<b>305</b>	<b>305</b>	<b>305</b>	<b>313</b>	<b>651</b>	<b>4,734</b>	<b>2,313</b>	<b>1,086</b>	<b>617</b>	
<b>MAX</b>	<b>468</b>	<b>331</b>	<b>313</b>	<b>305</b>	<b>305</b>	<b>337</b>	<b>2,946</b>	<b>9,452</b>	<b>3,306</b>	<b>1,822</b>	<b>1,245</b>	
<b>MIN</b>	<b>301</b>	<b>295</b>	<b>305</b>	<b>305</b>	<b>305</b>	<b>303</b>	<b>314</b>	<b>2,158</b>	<b>1,625</b>	<b>553</b>	<b>448</b>	

WATER YEAR TOTALS

TOTAL	348,035
DAILY MEAN	1,036
DAILY MAX	9,452 05/10/2016
DAILY MIN	295 11/15/2015



UNITED STATES DEPARTMENT OF THE INTERIOR  
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA  
**WHISKEYTOWN DAM, LAKE, AND SPRING CREEK POWERPLANT**

RUN DATE: September 2, 2016

QG

**GENERATION RELEASE, CFS**

**WATER YEAR OCTOBER 2015 TO SEPTEMBER 2016**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	756	344	69	14	1,708	304	28	14	14	638	1,019	
2	669	353	16	14	1,480	450	14	14	353	827	944	
3	670	14	35	14	1,147	482	19	14	94	1,248	790	
4	593	14	1,064	14	144	116	15	14	280	1,174	767	
5	667	22	1,612	430	16	342	15	14	91	1,166	709	
6	589	30	14	1,011	14	687	27	14	14	1,163	712	
7	458	42	50	346	14	1,081	18	14	14	700	943	
8	375	33	109	656	14	1,761	14	14	14	899	789	
9	807	16	14	14	19	2,061	893	14	14	1,173	814	
10	788	34	45	14	514	1,908	18	14	14	1,336	740	
11	14	86	36	771	731	1,775	1,124	14	14	685	634	
12	511	87	22	351	348	1,888	18	14	14	1,164	676	
13	535	19	216	900	14	1,988	14	14	14	1,265	792	
14	571	17	361	1,220	189	1,964	14	14	14	1,256	878	
15	677	52	14	685	369	1,999	14	14	14	1,389	941	
16	811	18	14	207	342	1,930	14	14	14	1,738	790	
17	270	227	15	733	285	2,062	14	14	14	1,578	789	
18	597	24	277	792	14	2,043	14	14	69	1,520	1,100	
19	654	17	15	703	189	2,131	14	20	382	1,187	791	
20	664	57	14	1,960	247	2,133	14	14	101	1,167	1,104	
21	409	21	550	2,467	191	2,136	14	14	14	840	894	
22	865	20	401	1,325	360	2,141	14	14	841	714	1,074	
23	609	15	495	1,306	485	2,100	14	14	476	714	1,407	
24	803	16	71	753	40	380	14	70	412	865	1,032	
25	632	23	103	1,640	14	179	14	14	443	869	460	
26	800	14	14	1,362	14	160	14	1,089	678	713	494	
27	729	25	14	2,047	369	261	14	14	842	454	307	
28	788	14	14	1,903	273	704	14	14	643	775	399	
29	214	14	16	1,401	14	154	14	14	845	927	404	
30	188	15	14	2,144	14	14	14	14	841	955	383	
31	185		14	2,112		45		20		1,108	328	
<b>TOTAL</b>	<b>17,898</b>	<b>1,683</b>	<b>5,718</b>	<b>29,309</b>	<b>9,578</b>	<b>37,379</b>	<b>2,455</b>	<b>1,577</b>	<b>7,587</b>	<b>32,207</b>	<b>23,904</b>	
<b>MEAN</b>	<b>577</b>	<b>56</b>	<b>184</b>	<b>945</b>	<b>330</b>	<b>1,206</b>	<b>82</b>	<b>51</b>	<b>253</b>	<b>1,039</b>	<b>771</b>	
<b>MAX</b>	<b>865</b>	<b>353</b>	<b>1,612</b>	<b>2,467</b>	<b>1,708</b>	<b>2,141</b>	<b>1,124</b>	<b>1,089</b>	<b>845</b>	<b>1,738</b>	<b>1,407</b>	
<b>MIN</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>454</b>	<b>307</b>	

**WATER YEAR TOTALS**

TOTAL 169,295

DAILY MEAN 504

DAILY MAX 2,467 01/21/2016

DAILY MIN 14 10/11/2015