

CHAPTER 3

ADDITIONAL WATER SUPPLY ARRANGEMENTS & DELIVERIES



Paragraph 8.4 of the San Joaquin River Agreement (SJRA) states that “Merced Irrigation District shall provide, and the USBR shall purchase 12,500 acre-feet of water...during October of all years.” The SJRA also states in Paragraph 8.4.4 that “Water purchased pursuant to Paragraph 8.4 may be scheduled for months other than October provided Merced, DFG and USFWS all agree.” The purpose of additional water supply deliveries in the fall months is to provide instream flows to attract and assist adult salmon during spawning.

Paragraph 8.5 of the SJRA states that “Oakdale Irrigation District shall sell 15,000 acre-feet of water to the USBR in every year of this Agreement.” Paragraph 8.5 also states that “in addition to the 15,000 acre-feet, Oakdale will sell the difference between the water made available to VAMP under the SJRGA division agreement and 11,000 acre-feet,” which is referred to as the Difference Water. The Oakdale Irrigation District (OID) additional water is to be used by the USBR for any authorized purpose of the New Melones project.

Merced Irrigation District (MeID)

The Paragraph 8.4 water is referred to as the Fall SJRA Transfer Water. The daily schedule for the Fall SJRA Transfer Water is developed by the California Department of Fish and Game (DFG), United States Fish and Wildlife Services (USFWS) and MeID.

The schedule for the Fall SJRA Water Transfer by MeID was finalized on September 30, 2010, with the water to be provided from October 15th through November 8th as shown in Table 3-1 and Figure 3-1. Table 3-1 also includes an accounting of the observed Fall SJRA Water Transfer.

Oakdale Irrigation District (OID)

The combined Paragraph 8.5 water is referred to as the OID Additional Water. Under the terms of the SJRA, OID will sell to the USBR the difference between the water made available to VAMP under the SJRGA division agreement and 11,000 acre-feet (Difference Water). OID did not provide any supplemental water for the 2010 VAMP, therefore OID made available 11,000 acre-feet of Difference Water for purchase by the USBR. The SJRA also states that OID is to sell 15,000 acre-feet to the USBR in every year. Thus the total OID Additional Water purchased by the USBR

**Table 3-1
2010 Merced Irrigation District SJRA Fall Water Transfer Daily Summary**

Date	SCHEDULED				OBSERVED				
	Merced River Base Flow at Shaffer Br/ Cressey (cfs)	SJRA Transfer Water		Merced River Target Flow at Shaffer Br/ Cressey (cfs)	Merced River Flow at Shaffer Br/ Cressey [Merced ID1] (cfs)	Merced River Flow at Cressey [DWR2] (cfs)	Observed Flow for Transfer 3 (cfs)	SJRA Transfer Water	
		SJRA Transfer Water Flow (cfs)	Cumulative SJRA Transfer Water Volume (acre-ft)					SJRA Transfer Daily Flow Rate (cfs)	Cumulative SJRA Transfer Water Volume (acre-ft)
1-Oct	30	0	0	30	148	128	148	0	0
2-Oct	30	0	0	30	155	120	155	0	0
3-Oct	30	0	0	30	158	138	158	0	0
4-Oct	30	0	0	30	158	145	158	0	0
5-Oct	30	0	0	30	158	147	158	0	0
6-Oct	30	0	0	30	168	146	168	0	0
7-Oct	30	0	0	30	155	151	155	0	0
8-Oct	30	0	0	30	172	143	172	0	0
9-Oct	30	0	0	30	176	151	176	0	0
10-Oct	30	0	0	30	165	161	165	0	0
11-Oct	30	0	0	30	161	156	161	0	0
12-Oct	30	0	0	30	145	141	145	0	0
13-Oct	30	0	0	30	148	128	148	0	0
14-Oct	30	0	0	30	158	132	158	0	0
15-Oct	30	50	99	80	172	135	172	142	282
16-Oct	85	40	179	125	172	154	172	87	454
17-Oct	85	65	307	150	176	158	176	91	635
18-Oct	85	90	486	175	176	161	176	91	815
19-Oct	85	115	714	200	179	178	179	94	1,002
20-Oct	85	160	1,031	245	179	176	179	94	1,188
21-Oct	85	165	1,359	250	191	179	191	106	1,398
22-Oct	85	365	2,083	450	857	191	191	106	1,609
23-Oct	85	515	3,104	600	829	609	609	524	2,648
24-Oct	85	615	4,324	700	897	674	674	589	3,816
25-Oct	85	615	5,544	700	980	712	712	627	5,060
26-Oct	85	615	6,764	700	1,035	788	788	703	6,454
27-Oct	85	615	7,983	700	1,016	841	841	756	7,954
28-Oct	85	615	9,203	700	705	842	842	757	9,455
29-Oct	85	415	10,026	500	679	628	628	543	10,532
30-Oct	85	415	10,850	500	557	568	568	483	11,490
31-Oct	85	315	11,474	400	442	497	497	56	11,601
1-Nov	220	130	11,732	350	425	402	402	57	11,714
2-Nov	220	80	11,891	300	350	382	382	58	11,829
3-Nov	220	55	12,000	275	358	326	326	59	11,946
4-Nov	220	55	12,109	275	358	323	323	60	12,065
5-Nov	220	55	12,218	275	362	325	325	61	12,186
6-Nov	220	55	12,327	275	358	326	326	62	12,309
7-Nov	220	55	12,436	275	309	315	315	63	12,434
8-Nov	220	30	12,496	250	297	275	297	33	12,500
9-Nov	220			220	273	284	273		
10-Nov	220			220	281	264	281		
11-Nov	220			220	261	261	261		
12-Nov	220			220	241	251	241		
13-Nov	220			220	253	233	253		
14-Nov	220			220	249	242	249		
15-Nov	220			220	253	231	253		
16-Nov	220			220	229	236	229		
17-Nov	220			220	217	221	217		

1 Merced Irrigation District Daily Water Tabulation and Use Report

2 California Department of Water Resources, B05155 Merced River at Cressey, USDAY V91 Output 01/14/11

3 The Technical Appendix to the San Joaquin River Group Division Agreement states that "[T]he Merced River at Shaffer Bridge...will be used for flows between 0 and 300 cfs. ...[F]or the flows above 300 cfs, measurements will be provided at the gage on the Merced River located near Cressey."



under Paragraph 8.5 of the SJRA was 26,000 acre-feet (15,000 acre-feet plus 11,000 acre-feet of Difference Water). The OID additional water is made available in New Melones Reservoir for use by the USBR for any authorized purpose of the New Melones project.

The 11,000 ac-ft of Difference Water and the 15,000 ac-ft of additional water was used to supplement river flow in the Stanislaus River for fishery purposes during October of 2010 as shown in Table 3-2.

Table 3-2
2010 Oakdale Irrigation District SJRA Additional and
Difference Water Daily Release Summary

Date of Release	Estimated Flow in cubic feet per second (cfs)	Cumulative Flow in acre-feet (ac-ft)
10/15/10	177	351
10/16/10	463	1,269
10/17/10	717	2,692
10/18/10	972	4,620
10/19/10	1050	6,702
10/20/10	1050	8,785
10/21/10	1218	11,201
10/22/10	1297	13,773
10/23/10	686	15,134
10/24/10	1210	17,534
10/25/10	1100	19,716
10/26/10	1084	21,866
10/27/10	949	23,748
10/28/10	690	25,117
10/29/10	445	26,000

Figure 3-1
 Merced Irrigation District Fall 2010 Water Transfer as
 Shown by Merced River Flow at Shaffer Bridge/Cressey

