

Figure 1
San Joaquin River Flow at Maze (CFS) (WARMF)

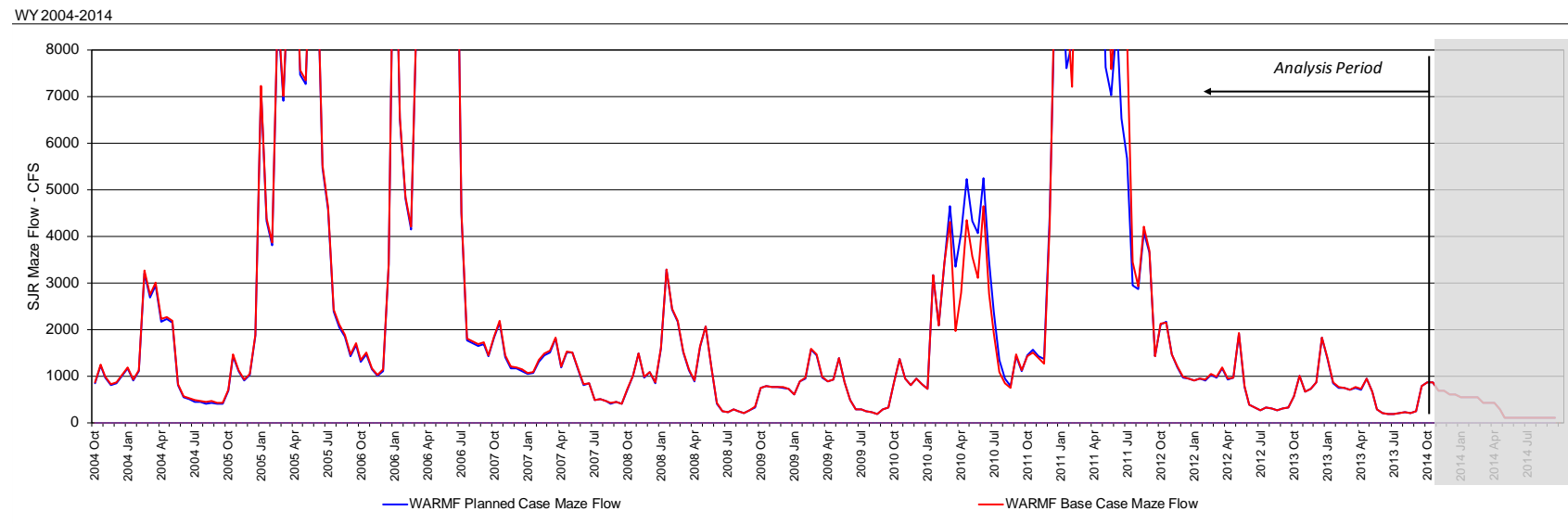
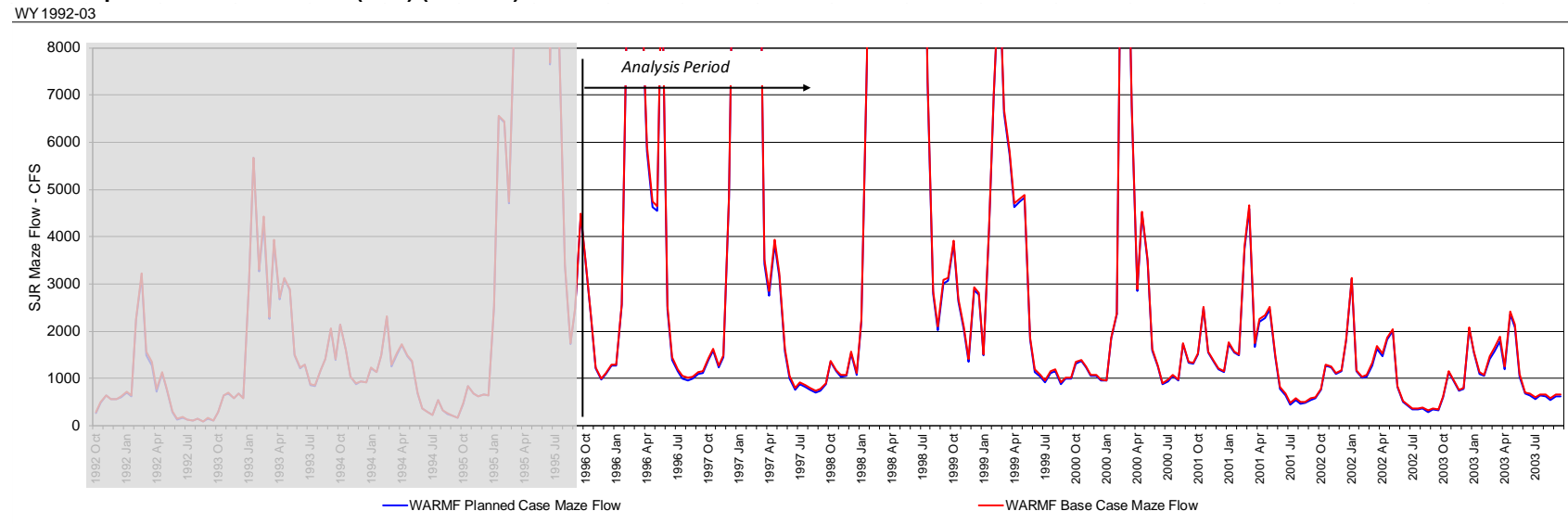


Figure 2
San Joaquin River Quality at Maze (CFS) (WARMF)

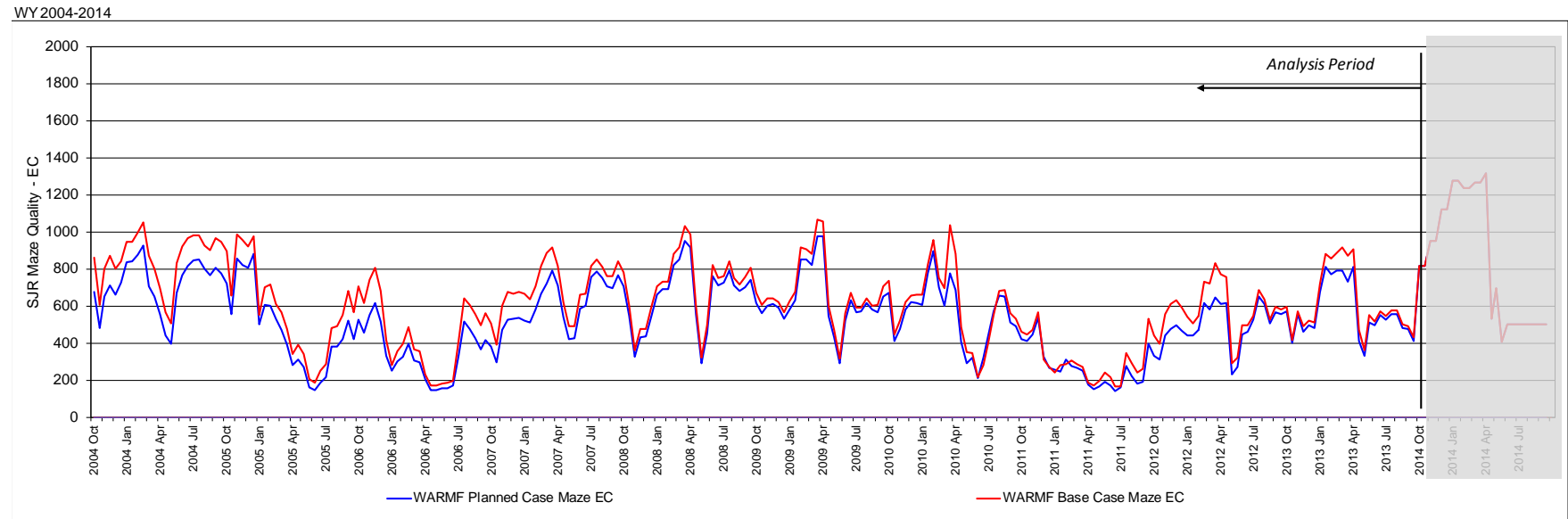
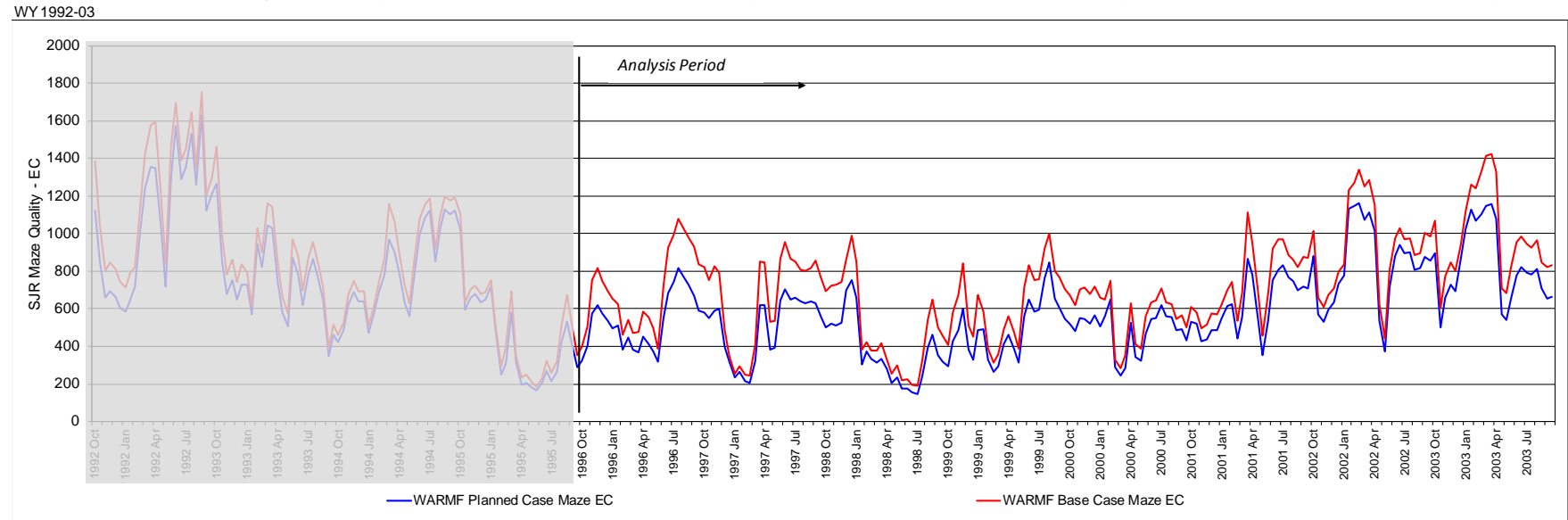
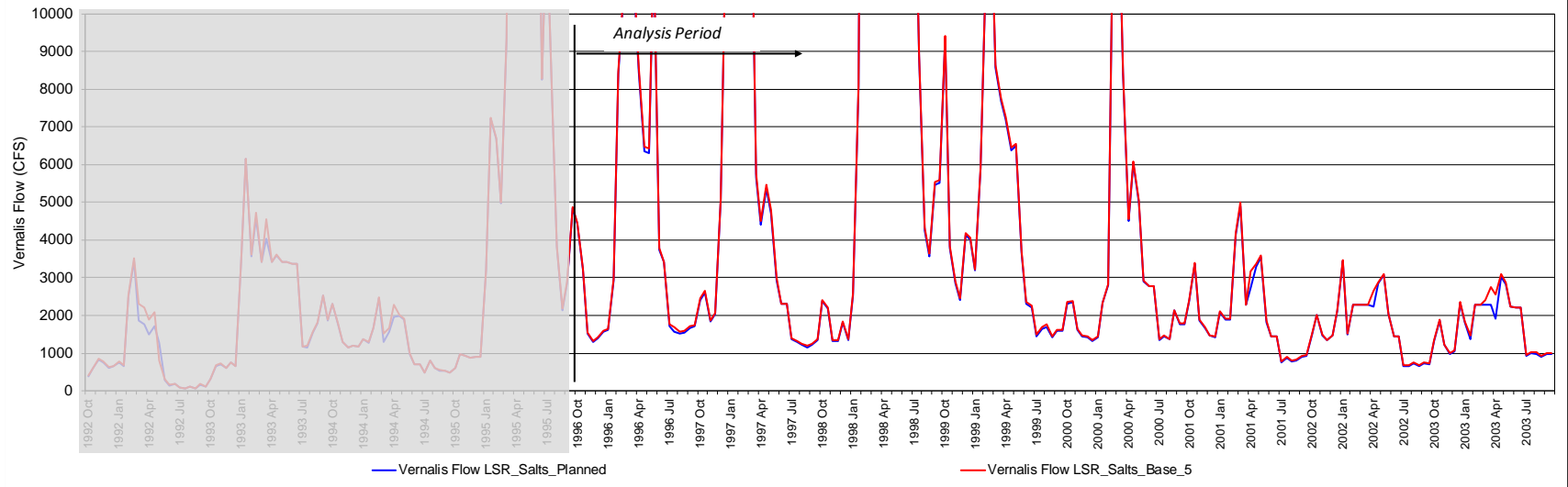


Figure 8
Vernalis Flow (CFS)

WY 1992-03



WY 2004-2014

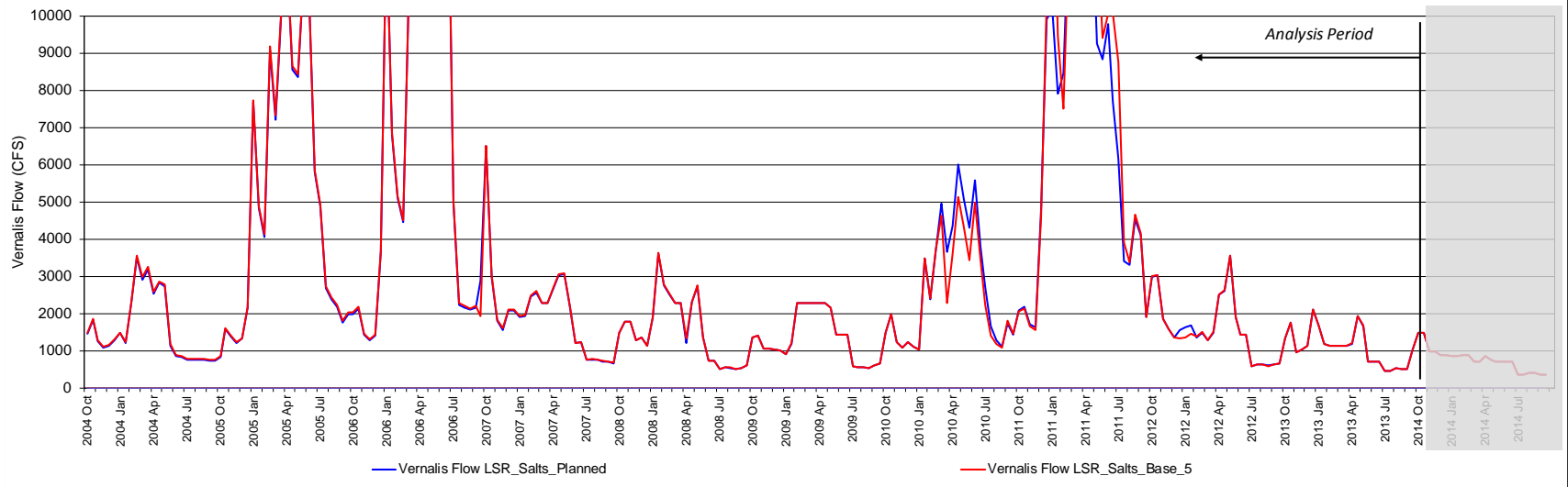
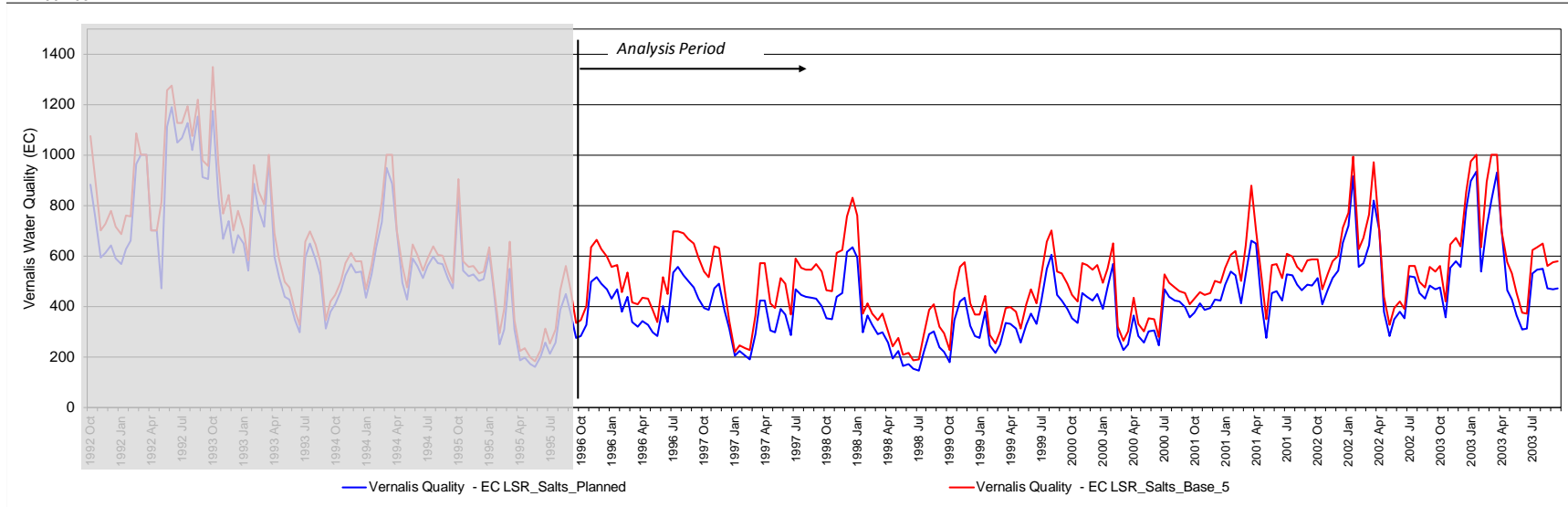
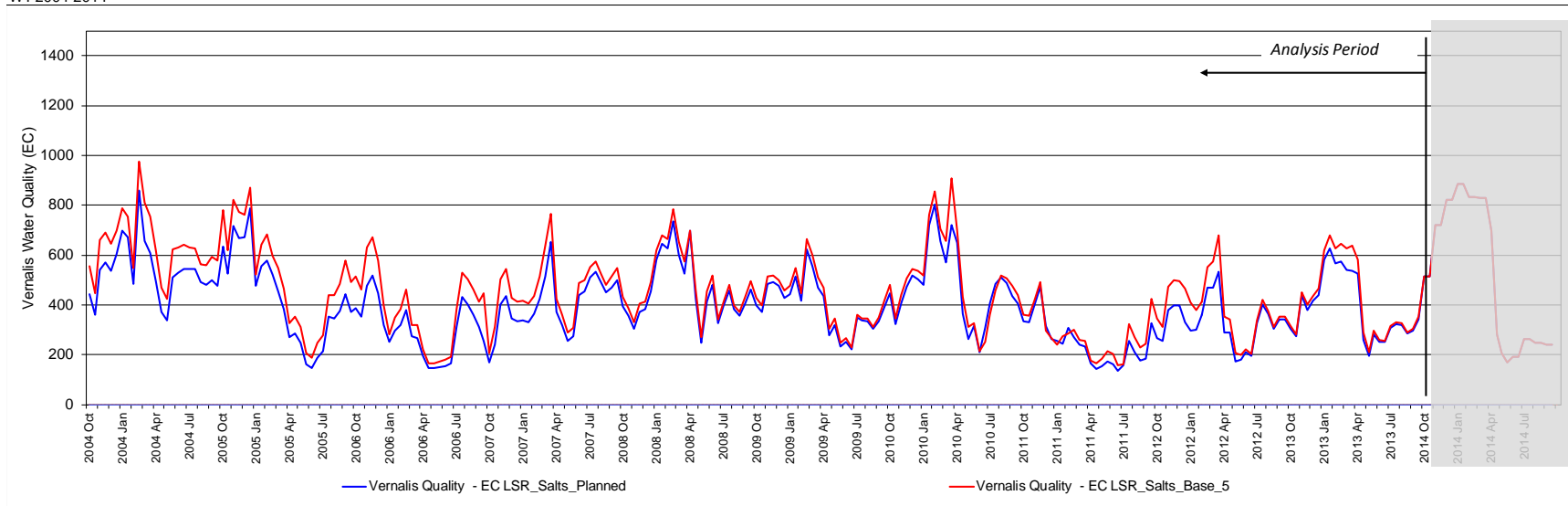


Figure 9
Vernalis Water Quality (CFS)

WY 1992-03



WY 2004-2014



**Table 1
New Melones Project Operation and River Characteristics – Planned (1,000 acre-feet)**

	New Melones			Goodwin										NM Forecast Index
	New Melones Inflow	New Melones Storage	Tulloch Storage	OID & SSJID Canals	Total OID & SSJID	SEWD NM Water	CSJWCD NM Water	Instream Fish	Dissolved Oxygen	Vernalis Water Quality	Vernalis Flow Objective	Total Goodwin Release to River	Release above Minimum	
Avg	1191			518	518	51	66	352	13	2	41	500	93	
	WY	EOS	EOS	WY		M-F	M-F	M-F	M-F	M-F	M-F	M-F	M-F	
1995	2,160	1,482	64	452	452	75	80	348	3	0	0	360	9	2,310
1996	1,512	1,715	64	517	517	75	80	587	0	0	23	1,380	770	2,841
1997	1,902	1,628	64	556	556	75	80	462	0	0	18	504	24	2,749
1998	1,876	2,100	64	444	444	75	80	587	0	0	0	1,247	660	3,374
1999	1,326	1,715	64	508	508	75	80	588	0	0	0	588	0	2,860
2000	1,062	1,578	64	488	488	75	80	462	0	0	35	500	4	2,596
2001	588	1,223	64	469	469	75	80	234	15	0	89	339	0	2,060
2002	710	862	64	548	548	10	49	234	15	7	147	403	0	1,737
2003	896	735	64	530	530	10	49	186	27	16	150	379	0	1,584
2004	670	573	64	600	600	10	0	99	59	5	0	182	20	1,271
2005	1,576	1,270	64	524	524	75	80	234	15	0	0	249	0	2,114
2006	2,061	2,100	64	496	496	75	80	587	0	0	0	828	241	3,184
2007	581	1,278	64	587	587	75	80	348	3	0	20	371	0	2,289
2008	579	926	64	550	550	10	49	185	27	4	90	306	0	1,718
2009	866	737	64	564	564	10	49	185	27	3	145	361	0	1,622
2010	1,011	983	64	478	478	10	49	185	27	0	0	217	5	1,641
2011	2,093	1,935	64	466	466	75	80	588	0	0	0	613	25	2,991
2012	607	1,357	64	525	525	75	80	348	3	0	40	391	0	2,351
2013	559	977	64	544	544	10	49	234	15	0	25	274	0	1,771

**Table 2
New Melones Project Operation and River Characteristics – Baseline (1,000 acre-feet)**

	New Melones			Goodwin										NM Forecast Index
	New Melones Inflow	New Melones Storage	Tulloch Storage	OID & SSJID Canals	Total OID & SSJID	SEWD NM Water	CSJWCD NM Water	Instream Fish	Dissolved Oxygen	Vernalis Water Quality	Vernalis Flow Objective	Total Goodwin Release to River	Release above Minimum	
Avg	1,191			518	518	51	66	352	11	10	37	500	90	
	WY	EOS	EOS	WY		M-F	M-F	M-F	M-F	M-F	M-F	M-F	M-F	
1995	2,160	1,482	64	452	452	75	80	348	3	0	0	360	9	2,309
1996	1,512	1,713	64	517	517	75	80	587	0	3	21	1,380	769	2,841
1997	1,902	1,630	64	556	556	75	80	462	0	0	15	504	27	2,749
1998	1,876	2,100	64	444	444	75	80	587	0	0	0	1,247	660	3,374
1999	1,326	1,714	64	508	508	75	80	588	0	1	0	588	0	2,860
2000	1,062	1,578	64	488	488	75	80	462	0	0	33	499	4	2,595
2001	588	1,217	64	469	469	75	80	234	14	19	76	343	0	2,061
2002	710	853	64	548	548	10	49	234	15	40	119	408	0	1,733
2003	896	702	64	530	530	10	49	186	20	72	126	404	0	1,575
2004	670	541	64	600	600	10	0	99	38	26	0	182	20	1,239
2005	1,576	1,240	64	524	524	75	80	234	15	0	0	249	0	2,083
2006	2,061	2,099	64	496	496	75	80	587	0	0	0	798	211	3,153
2007	581	1,280	64	587	587	75	80	348	3	0	18	369	0	2,289
2008	579	926	64	550	550	10	49	185	27	7	88	307	0	1,720
2009	866	740	64	564	564	10	49	185	27	6	141	360	0	1,623
2010	1,011	959	64	478	478	10	49	185	27	15	12	245	5	1,644
2011	2,093	1,911	64	466	466	75	80	588	0	0	0	589	2	2,967
2012	607	1,357	64	525	525	75	80	348	3	0	39	390	0	2,351
2013	559	979	64	544	544	10	49	234	15	0	24	273	0	1,771

**Table 3
New Melones Project Operation and River Characteristics – Planned minus Baseline (1,000 acre-feet)**

	New Melones			Goodwin										NM Forecast Index
	New Melones Inflow	New Melones Storage	Tulloch Storage	OID & SSJID Canals	Total OID & SSJID	SEWD NM Water	CSJWCD NM Water	Instream Fish	Dissolved Oxygen	Vernalis Water Quality	Vernalis Flow Objective	Total Goodwin Release to River	Release above Minimum	
Avg	0			0	0	0	0	0	2	-8	4	0	3	
	WY	EOS	EOS	WY		M-F	M-F	M-F	M-F	M-F	M-F	M-F	M-F	
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	
1996	0	1	0	0	0	0	0	0	0	-3	2	0	1	
1997	0	-3	0	0	0	0	0	0	0	0	3	0	-3	
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	
1999	0	1	0	0	0	0	0	0	0	-1	0	-1	0	
2000	0	-1	0	0	0	0	0	0	0	0	1	1	0	
2001	0	6	0	0	0	0	0	0	1	-19	13	-5	0	
2002	0	9	0	0	0	0	0	0	0	-33	28	-5	0	
2003	0	33	0	0	0	0	0	0	8	-56	24	-25	0	
2004	0	32	0	0	0	0	0	0	21	-21	0	0	0	
2005	0	31	0	0	0	0	0	0	0	0	0	0	0	
2006	0	1	0	0	0	0	0	0	0	0	0	30	30	
2007	0	-2	0	0	0	0	0	0	0	0	2	2	0	
2008	0	-1	0	0	0	0	0	0	0	-3	2	-1	0	
2009	0	-3	0	0	0	0	0	0	0	-3	5	1	0	
2010	0	24	0	0	0	0	0	0	0	-15	-12	-27	0	
2011	0	24	0	0	0	0	0	0	0	0	0	24	24	
2012	0	0	0	0	0	0	0	0	0	0	1	1	0	
2013	0	-2	0	0	0	0	0	0	0	0	1	1	0	