

## **APPENDIX B1a**

### **Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes under Impaired and Unimpaired Conditions**

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## **TABLES**

**Table 1. Small Bypass Stream Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions.**

Water Year	Month	Duncan Creek - Top of Reach (804.805)		Duncan Creek - Bottom of Reach (805.806)		North Fork Long Canyon Creek - Top of Reach (817.819)		South Fork Long Canyon Creek - Top of Reach (820.822)		Long Canyon Creek - Top of Reach (825.828)		Long Canyon Creek - Bottom of Reach (830.842)	
		USGS Gage 11427750				USGS Gage 11433085		USGS Gage 11433065		USGS Gage 11433100			
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Wet Water Years</b>													
1980	Oct	1	4	6	9	1	2	1	1	3	3	8	8
	Nov	2	11	12	21	2	5	3	5	7	12	16	21
	Dec	5	14	18	27	2	4	4	6	11	14	32	36
	Jan	150	176	359	384	58	67	99	120	276	307	653	684
	Feb	22	75	139	192	21	37	52	66	133	162	454	483
	Mar	11	33	93	114	6	20	14	42	47	89	205	247
	Apr	13	90	85	162	6	27	5	73	29	118	120	208
	May	8	137	42	171	2	18	5	43	19	72	173	126
	Jun	9	66	22	79	4	5	5	17	10	23	36	49
	Jul	7	13	16	22	2	2	4	6	6	9	16	19
Aug	2	2	7	7	0	0	1	1	2	2	10	10	
Sep	1	1	5	5	0	0	1	1	1	1	7	7	
1982	Oct	3	3	9	10	0	1	1	1	2	2	6	7
	Nov	76	128	128	180	11	24	18	42	69	106	115	151
	Dec	102	165	230	293	45	54	79	95	218	242	435	460
	Jan	8	32	100	124	19	19	33	33	87	87	219	219
	Feb	108	162	201	254	54	57	88	100	248	262	570	584
	Mar	32	75	145	188	32	32	55	55	145	145	350	350
	Apr	88	131	237	280	56	56	98	98	258	258	638	638
	May	83	217	192	326	37	37	66	66	173	173	381	381
	Jun	10	117	53	160	7	7	10	16	26	32	93	99
	Jul	6	14	27	35	2	2	3	4	8	9	29	30
Aug	2	3	12	13	0	0	1	1	2	2	12	12	
Sep	2	5	11	13	1	1	1	1	3	3	13	13	
1983	Oct	16	24	33	41	3	3	6	6	15	15	32	32
	Nov	12	34	48	69	10	10	14	17	42	45	100	103
	Dec	16	40	111	135	29	29	48	52	131	135	309	312
	Jan	14	29	87	102	24	24	21	42	90	111	247	268
	Feb	13	45	146	177	38	38	63	67	172	176	417	421
	Mar	48	99	223	274	55	55	97	97	255	255	594	594
	Apr	19	65	132	178	30	30	53	53	139	139	368	368
	May	78	220	232	374	21	52	36	107	127	229	344	446
	Jun	53	316	112	376	12	34	23	58	72	129	206	263
	Jul	22	100	38	116	5	5	9	13	20	25	66	70
Aug	6	10	14	19	1	1	2	2	4	4	17	17	
Sep	3	3	11	11	0	0	1	1	2	2	11	11	
1984	Oct	4	7	11	15	1	1	2	2	4	4	16	16
	Nov	56	172	141	257	35	35	61	64	159	163	256	259
	Dec	43	131	196	285	40	52	55	93	188	239	526	576
	Jan	14	62	90	138	8	18	5	39	40	84	169	213
	Feb	13	34	64	86	5	12	5	23	30	56	129	154
	Mar	15	66	83	135	3	18	5	34	40	84	155	198
	Apr	12	73	50	111	3	14	5	31	25	61	96	133
	May	8	120	34	146	3	9	5	21	16	39	53	75
	Jun	8	27	19	38	3	3	4	7	12	15	31	34
	Jul	3	3	11	11	1	1	1	1	4	4	13	13
Aug	1	1	6	6	0	0	1	1	2	2	5	5	
Sep	1	1	5	5	0	0	1	1	1	1	2	2	
1986	Oct	1	1	5	5	0	0	1	1	2	2	7	7
	Nov	3	3	12	12	1	2	3	3	7	7	18	19
	Dec	12	25	33	45	2	9	5	14	16	32	47	63
	Jan	28	80	80	133	3	18	6	33	34	75	119	160
	Feb	230	291	521	582	89	97	159	173	428	450	1259	1281
	Mar	80	161	204	284	41	41	73	73	191	191	405	405
	Apr	13	93	73	154	11	13	21	25	55	62	125	131
	May	10	81	35	106	4	8	5	20	17	36	51	70
	Jun	8	18	21	31	2	2	3	5	8	9	27	29
	Jul	3	3	8	8	1	1	1	1	3	3	14	14
Aug	1	1	4	4	0	0	1	1	1	1	8	8	
Sep	3	3	8	8	1	1	1	1	2	2	11	11	
1995	Oct	1	1	3	3	0	0	0	0	1	1	4	4
	Nov	4	7	11	13	1	1	2	2	6	6	14	14
	Dec	7	8	29	31	7	7	12	12	31	31	68	68
	Jan	62	100	199	237	15	30	26	58	200	247	445	491
	Feb	9	48	89	128	3	23	4	47	7	71	99	163
	Mar	45	154	248	357	11	40	18	80	206	297	603	694
	Apr	24	103	160	239	4	35	5	68	136	231	426	521
	May	76	238	223	384	48	48	83	83	219	219	455	455
	Jun	51	219	109	277	14	14	25	25	65	65	135	135
	Jul	11	32	31	53	3	3	5	5	14	14	41	41
Aug	3	3	10	10	1	1	2	2	4	4	17	17	
Sep	1	1	6	6	0	0	1	1	2	2	10	10	
1996	Oct	1	1	5	5	0	0	1	1	2	2	9	9
	Nov	1	1	5	5	0	0	1	1	2	2	11	11
	Dec	26	41	47	63	8	8	14	14	37	37	81	81
	Jan	18	44	71	97	5	11	9	20	54	72	140	158
	Feb	48	145	228	325	4	39	8	85	80	193	380	493
	Mar	14	62	131	179	3	28	7	58	39	115	239	316
	Apr	13	114	104	205	3	33	6	61	51	135	201	285
	May	87	225	161	299	24	32	43	64	148	177	241	271
	Jun	9	21	38	50	3	3	5	5	13	13	62	62
	Jul	3	3	16	16	1	1	1	1	4	4	24	24
Aug	1	1	7	7	0	0	1	1	2	2	12	12	
Sep	1	1	4	4	0	0	1	1	2	2	9	9	
1997	Oct	1	1	5	5	0	0	1	1	2	2	9	9
	Nov	10	30	25	45	4	4	7	7	18	18	37	37
	Dec	108	193	249	335	42	55	72	91	271	303	576	608
	Jan	203	213	353	363	104	104	182	182	478	478	748	748
	Feb	29	33	105	109	14	14	25	25	65	65	161	161
	Mar	18	51	60	94	12	12	21	21	56	56	113	113
	Apr	16	91	59	134	10	10	17	17	45	45	84	84
	May	12	58	28	73	9	9	15	15	40	40	70	70
	Jun	10	14	20	24	2	2	4	4	9	9	36	36
	Jul	3	3	9	9	1	1	1	1	3	3	15	15
Aug	1	1	5	5	0	0	1	1	2	2	7	7	
Sep	1	1	4	4	0	0	1	1	1	1	5	5	
1998	Oct	3	3	7	7	0	0	1	1	2	2	9	9
	Nov	4	8	10	14	1	1	2	2	6	6	14	14
	Dec	9	10	19	20	3	3	5	5	13	13	31	31
	Jan	32	76	100	144	6	24	9	40	66	115	180	229
	Feb	14	34	103	123	3	18	6	38	111	157	368	414
	Mar	32	84	132	184	4	33	7	56	42	120	206	285
	Apr	15	76	107	168	4	31	6	56	61	139	213	290
	May	19	157	119	257	4	44	6	80	20	134	174	288
	Jun	107	246	141	281	5	27	6	60	13	89	107	184
	Jul	10	37	23	49	3	3	6	7	14	15	46	48
Aug	3	3	10	10	1	1	1	1	4	4	17	17	
Sep	2	2											

**Table 1. Small Bypass Stream Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Duncan Creek - Top of Reach (804.805)		Duncan Creek - Bottom of Reach (805.806)		North Fork Long Canyon Creek - Top of Reach (817.819)		South Fork Long Canyon Creek - Top of Reach (820.822)		Long Canyon Creek - Top of Reach (825.828)		Long Canyon Creek - Bottom of Reach (830.842)	
		USGS Gage 11427750				USGS Gage 11433085		USGS Gage 11433065		USGS Gage 11433100			
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Wet Water Years (continued)</b>													
2006	Oct	1	1	8	8	0	0	1	1	2	2	9	9
	Nov	3	6	11	14	1	1	1	1	3	3	10	10
	Dec	158	247	246	335	45	49	82	85	220	227	478	485
	Jan	76	82	177	183	28	28	50	50	131	131	301	301
	Feb	67	100	158	191	22	22	39	39	103	103	264	264
	Mar	16	45	114	143	28	28	50	50	131	131	293	293
	Apr	41	117	275	351	83	83	145	145	381	381	921	921
	May	114	244	208	339	36	36	64	64	168	168	393	393
	Jun	13	61	33	82	0	0	1	1	1	1	55	55
Jul	4	4	15	15	1	1	2	2	6	6	22	22	
Aug	2	2	8	8	1	1	1	1	2	2	13	13	
Sep	1	1	6	6	0	0	1	1	2	2	8	8	
<b>Above Normal Water Years</b>													
1975	Oct	1	1	5	6	0	0	1	1	2	2	11	11
	Nov	2	2	7	8	1	1	1	1	3	3	18	18
	Dec	4	5	10	12	1	1	2	2	7	7	21	21
	Jan	8	11	23	27	4	4	7	7	19	19	41	41
	Feb	11	14	51	54	8	9	12	15	36	40	111	115
	Mar	14	23	88	97	12	18	11	32	56	84	174	201
	Apr	13	28	83	97	13	19	10	34	58	90	166	198
	May	65	165	179	279	5	39	5	86	62	177	188	303
	Jun	31	139	59	168	7	12	5	29	25	53	58	86
Jul	5	12	15	23	2	2	3	3	7	7	21	22	
Aug	2	3	9	10	1	1	1	1	3	3	13	13	
Sep	1	1	6	6	0	0	1	1	2	2	8	8	
1978	Oct	0	0	2	2	0	0	0	0	0	0	1	1
	Nov	1	3	5	7	1	1	1	2	2	3	6	7
	Dec	12	43	39	70	3	8	3	14	18	35	44	60
	Jan	10	38	102	129	11	24	8	43	61	109	193	241
	Feb	9	23	65	80	9	15	4	28	40	71	137	167
	Mar	13	77	125	189	7	36	4	62	58	146	215	302
	Apr	8	83	110	186	3	30	3	56	50	131	199	280
	May	51	162	113	224	2	28	3	51	26	101	107	182
	Jun	10	98	28	116	3	6	5	21	10	29	34	53
Jul	6	10	15	19	2	2	2	3	4	5	14	14	
Aug	1	1	6	6	0	0	1	1	2	2	6	6	
Sep	2	2	7	8	0	0	1	1	2	2	7	7	
1993	Oct	1	2	4	5	0	0	0	0	1	1	5	5
	Nov	3	4	6	6	0	0	1	1	2	2	7	7
	Dec	8	13	24	29	4	4	7	7	22	22	49	49
	Jan	15	43	82	110	4	12	6	23	99	124	211	236
	Feb	14	26	77	90	3	13	7	27	49	80	169	199
	Mar	29	109	181	261	3	39	7	67	49	144	326	421
	Apr	12	109	123	220	3	36	6	69	80	176	287	383
	May	13	245	71	302	3	27	7	61	39	118	111	190
	Jun	10	110	41	140	3	10	6	26	16	42	67	93
Jul	7	8	17	18	1	1	3	3	6	6	25	25	
Aug	2	2	7	7	0	0	1	1	2	2	11	11	
Sep	1	1	4	4	0	0	0	0	1	1	7	7	
1999	Oct	2	2	6	6	1	1	1	1	2	2	12	12
	Nov	8	13	18	23	3	3	5	5	12	12	26	26
	Dec	14	25	34	45	7	7	13	13	34	34	75	75
	Jan	17	56	75	114	4	19	7	23	46	82	142	179
	Feb	16	45	135	164	4	30	7	53	76	148	315	387
	Mar	16	46	99	129	4	25	6	45	33	93	164	224
	Apr	18	77	85	144	4	28	6	48	42	108	155	221
	May	28	207	58	237	4	27	6	58	34	110	90	165
	Jun	12	83	30	102	6	7	8	18	22	34	50	62
Jul	6	6	13	14	1	1	2	2	5	5	19	19	
Aug	2	2	6	6	1	1	1	1	2	2	11	11	
Sep	1	1	4	4	0	0	1	1	2	2	7	7	
2000	Oct	1	2	4	5	0	0	1	1	2	2	8	8
	Nov	4	4	8	8	1	1	1	1	4	4	11	11
	Dec	4	4	9	9	1	1	2	2	5	5	11	11
	Jan	14	47	47	79	5	9	8	17	39	52	88	101
	Feb	24	62	104	142	5	18	7	38	88	133	303	348
	Mar	17	46	87	116	4	23	6	41	36	90	143	196
	Apr	17	131	69	183	4	25	6	46	21	82	101	162
	May	15	112	48	145	4	14	6	31	30	65	78	113
	Jun	9	12	22	25	2	2	3	3	9	9	32	32
Jul	2	2	8	8	1	1	1	1	3	3	13	13	
Aug	1	1	3	3	0	0	1	1	2	2	8	8	
Sep	1	1	4	4	0	0	1	1	2	2	8	8	
2005	Oct	4	5	11	11	1	1	1	1	3	3	9	9
	Nov	8	8	17	17	1	1	2	2	5	5	13	13
	Dec	12	18	30	37	5	5	8	8	22	22	49	49
	Jan	13	17	54	58	12	12	20	20	53	53	118	118
	Feb	17	28	76	87	16	16	29	29	75	75	187	187
	Mar	18	56	115	153	7	29	14	47	135	190	295	349
	Apr	20	86	127	193	3	36	6	56	80	164	271	355
	May	127	302	217	392	6	41	7	78	101	206	272	377
	Jun	26	107	58	139	0	0	6	27	6	27	53	74
Jul	8	9	25	27	0	0	1	1	2	2	19	19	
Aug	2	2	11	11	1	1	1	1	2	2	12	12	
Sep	1	1	8	8	0	0	1	1	2	2	8	8	
<b>Below Normal Water Years</b>													
1979	Oct	1	1	5	5	0	0	0	0	1	1	6	6
	Nov	2	2	6	6	1	1	1	1	2	2	6	6
	Dec	2	2	7	7	2	3	1	1	3	4	12	12
	Jan	10	14	26	30	3	6	6	9	17	24	51	58
	Feb	8	11	29	33	2	7	6	10	17	28	72	82
	Mar	12	28	76	93	5	21	11	33	49	88	151	190
	Apr	9	62	75	129	2	25	5	43	41	101	127	187
	May	12	168	79	234	2	29	5	55	34	111	125	201
	Jun	7	35	23	51	3	4	5	11	13	20	32	38
Jul	3	3	12	12	1	1	2	2	5	5	14	14	
Aug	1	1	6	6	0	0	1	1	2	2	7	7	
Sep	0	1	4	4	0	0	0	0	1	1	4	4	

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Water Year	Month	Duncan Creek - Top of Reach (804.805)		Duncan Creek - Bottom of Reach (805.806)		North Fork Long Canyon Creek - Top of Reach (817.819)		South Fork Long Canyon Creek - Top of Reach (820.822)		Long Canyon Creek - Top of Reach (825.828)		Long Canyon Creek - Bottom of Reach (830.842)	
		USGS Gage 11427750				USGS Gage 11433085		USGS Gage 11433065		USGS Gage 11433100			
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Below Normal Water Years (continued)</b>													
1985	Oct	3	3	9	9	1	1	1	1	3	3	11	11
	Nov	11	22	36	47	3	8	6	15	21	35	50	64
	Dec	10	11	29	31	4	5	5	10	17	23	39	45
	Jan	10	10	24	24	3	3	5	7	13	15	33	35
	Feb	10	12	31	32	3	5	6	10	18	25	48	55
	Mar	12	18	43	49	4	9	5	15	25	40	64	78
	Apr	15	105	83	173	2	25	5	49	34	101	146	214
	May	11	82	33	103	3	8	5	22	13	35	52	74
	Jun	7	12	16	21	2	2	3	4	7	8	18	19
	Jul	1	2	7	7	1	1	1	1	2	2	7	7
Aug	1	1	5	5	0	0	0	0	1	1	5	5	
Sep	2	2	6	6	1	1	1	1	2	2	7	7	
1989	Oct	0	0	2	2	0	0	0	0	0	0	1	1
	Nov	11	25	24	38	3	4	6	6	15	15	25	25
	Dec	6	12	13	20	2	3	3	4	8	10	24	25
	Jan	6	9	16	20	2	3	3	6	9	13	24	27
	Feb	7	17	32	42	4	8	3	12	17	30	46	59
	Mar	24	141	180	296	5	40	4	82	101	213	385	498
	Apr	8	162	104	258	5	32	3	68	33	124	127	219
	May	6	79	32	105	3	7	3	22	10	33	42	65
	Jun	8	16	19	27	2	2	4	5	9	9	26	27
	Jul	2	2	7	7	1	1	1	1	3	3	11	11
Aug	1	1	4	4	0	0	1	1	1	1	7	7	
Sep	2	2	5	5	0	0	1	1	2	2	8	8	
2002	Oct	1	1	1	1	0	0	0	0	1	1	3	3
	Nov	5	10	13	18	1	1	3	3	7	7	13	13
	Dec	11	18	37	43	9	9	15	15	39	39	85	85
	Jan	16	32	62	78	4	13	7	20	24	46	98	120
	Feb	17	33	70	86	4	17	6	26	14	48	74	108
	Mar	18	46	90	119	4	23	6	38	26	77	137	188
	Apr	17	140	87	210	5	31	6	54	13	86	87	160
	May	11	124	42	155	5	11	6	29	22	52	48	77
	Jun	10	26	24	40	3	3	5	8	13	15	25	27
	Jul	3	3	10	10	1	1	1	1	3	3	10	10
Aug	1	1	5	5	0	0	1	1	1	1	5	5	
Sep	1	1	4	4	0	0	0	0	1	1	3	3	
2003	Oct	1	1	4	4	0	0	0	0	1	1	4	4
	Nov	10	17	26	33	2	2	3	3	9	9	16	16
	Dec	16	37	55	77	4	9	7	10	41	50	98	107
	Jan	19	62	93	136	3	24	6	26	20	61	145	186
	Feb	15	44	63	92	3	14	6	24	9	38	55	85
	Mar	16	72	64	121	3	19	6	31	22	64	90	131
	Apr	16	58	93	134	3	24	6	40	65	120	194	249
	May	19	166	109	256	3	33	6	60	42	126	179	263
	Jun	12	48	33	69	4	5	7	12	16	23	46	52
	Jul	4	4	14	14	1	1	1	1	4	4	15	15
Aug	2	2	9	9	0	0	1	1	2	2	9	9	
Sep	1	1	5	5	0	0	1	1	1	1	6	6	
2004	Oct	1	1	5	5	0	0	0	0	1	1	5	5
	Nov	3	3	9	9	0	0	1	1	2	2	9	9
	Dec	14	29	42	57	7	7	12	12	32	32	70	70
	Jan	14	16	45	47	6	6	11	11	30	30	78	78
	Feb	16	31	68	83	5	11	9	18	46	61	134	149
	Mar	21	97	104	180	3	34	6	48	15	89	146	219
	Apr	15	116	55	156	3	18	6	36	17	63	74	120
	May	13	66	30	84	5	6	6	15	22	31	37	47
	Jun	7	8	17	17	1	1	3	3	7	7	16	16
	Jul	2	2	8	8	1	1	1	1	3	3	8	8
Aug	1	1	5	5	0	0	0	0	1	1	4	4	
Sep	1	1	4	4	0	0	0	0	1	1	4	4	
<b>Dry Water Years</b>													
1981	Oct	1	1	6	6	0	0	0	0	1	1	5	5
	Nov	1	2	7	8	7	7	4	34	11	41	15	45
	Dec	5	7	13	15	2	2	2	7	7	12	13	18
	Jan	4	4	15	15	1	2	2	3	6	8	21	23
	Feb	10	30	34	54	2	10	6	14	17	33	39	54
	Mar	10	30	52	72	4	13	6	24	32	58	73	100
	Apr	7	62	46	101	2	14	5	27	24	58	59	94
	May	7	45	22	60	4	6	5	13	16	26	31	42
	Jun	5	6	14	15	2	2	3	3	8	8	13	13
	Jul	1	1	7	7	0	0	1	1	2	2	4	4
Aug	0	0	4	4	0	0	0	0	0	0	2	2	
Sep	0	0	3	3	0	0	0	0	0	0	2	2	
1990	Oct	3	4	9	10	1	1	2	2	4	4	14	14
	Nov	5	5	11	12	1	1	3	3	7	7	17	17
	Dec	5	5	11	11	1	1	3	3	7	7	16	16
	Jan	9	15	23	28	3	4	6	6	14	15	33	34
	Feb	9	9	24	25	3	3	5	6	15	16	39	40
	Mar	12	35	57	80	5	13	6	24	26	52	87	114
	Apr	10	74	37	101	3	10	6	24	16	41	53	77
	May	10	34	26	50	3	5	6	12	13	20	34	41
	Jun	9	21	24	36	3	4	5	9	12	17	31	36
	Jul	3	3	7	7	1	1	2	2	4	4	10	10
Aug	1	1	3	3	0	0	1	1	2	2	5	5	
Sep	1	1	3	3	0	0	0	0	1	1	3	3	
1991	Oct	1	1	3	3	0	0	0	0	1	1	3	3
	Nov	1	1	3	3	0	0	0	0	1	1	5	5
	Dec	1	1	4	4	0	0	1	1	2	2	6	6
	Jan	2	2	4	4	0	0	1	1	2	2	5	5
	Feb	4	4	8	8	1	1	1	1	4	4	7	7
	Mar	22	42	58	78	3	7	6	12	30	40	77	87
	Apr	14	48	73	107	4	21	6	33	33	77	106	150
	May	12	98	56	143	3	16	6	35	19	61	52	94
	Jun	9	40	25	56	3	4	3	4	11	18	26	32
	Jul	4	4	11	11	1	1	2	2	5	5	13	13
Aug	1	1	4	4	0	0	1	1	2	2	6	6	
Sep	1	1	2	2	0	0	0	0	1	1	3	3	
2001	Oct	2	2	6	6	1	1	1	1	2	2	10	10
	Nov	3	3	7	7	1	1	1	1	3	3	11	11
	Dec	4	4	10	10	2	2	3	3	7	7	16	16
	Jan	5	5	9	9	1	1	2	2	6	6	13	13
	Feb	6	6	18	18	4	4	7	7	20	20	44	44
	Mar	15	40	52	76	5	16	8	22	27	52	74	99
	Apr	15	60	53	97	4	17	6	29	14	50	55	91
	May	12	77	31	96	4	8	6	18	16	32	36	53
	Jun	4	5	9	9	1	1	2	2	4	4	12	12
	Jul	1	1	3	3	0	0	1	1	2	2	5	5
Aug	0	0	1	1	0	0	0	0	1	1	2	2	
Sep	0	0	1	1	0	0	0	0	1	1	2	2	

**Table 1. Small Bypass Stream Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Duncan Creek - Top of Reach (804.805)		Duncan Creek - Bottom of Reach (805.806)		North Fork Long Canyon Creek - Top of Reach (817.819)		South Fork Long Canyon Creek - Top of Reach (820.822)		Long Canyon Creek - Top of Reach (825.828)		Long Canyon Creek - Bottom of Reach (830.842)	
		USGS Gage 11427750				USGS Gage 11433085		USGS Gage 11433065		USGS Gage 11433100			
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Dry Water Years (continued)</b>													
2007	Oct	1	1	6	6	0	0	0	0	1	1	11	11
	Nov	4	6	11	13	1	1	1	1	3	3	16	16
	Dec	10	24	28	41	3	3	4	4	12	12	32	32
	Jan	13	22	40	48	3	3	6	6	16	16	35	35
	Feb	31	77	79	125	9	9	15	15	40	40	80	80
	Mar	16	71	74	129	6	18	11	28	38	67	85	114
	Apr	14	68	48	102	3	11	6	22	18	42	51	75
	May	13	44	39	69	3	7	6	15	16	29	38	51
	Jun	5	5	15	15	1	1	2	2	5	5	16	16
Jul	1	1	6	6	0	0	0	0	1	1	8	8	
Aug	1	1	3	3	0	0	0	0	0	0	6	6	
Sep	1	1	3	3	0	0	0	0	0	0	6	6	
<b>Critical Water Years</b>													
1976	Oct	5	10	14	19	2	2	3	3	8	8	19	19
	Nov	4	14	14	24	5	5	9	9	24	24	35	35
	Dec	7	9	14	17	3	3	6	6	16	16	27	27
	Jan	6	7	13	14	2	2	4	4	9	9	19	19
	Feb	7	8	16	18	2	2	4	4	10	11	23	24
	Mar	12	21	31	40	5	6	5	10	20	26	37	43
	Apr	9	33	25	49	5	6	5	12	19	26	34	41
	May	4	30	13	39	3	3	5	12	9	16	17	23
	Jun	3	4	8	9	1	1	2	3	4	5	6	7
Jul	1	1	5	5	0	0	1	1	2	2	3	3	
Aug	1	1	5	5	0	0	1	1	2	2	4	4	
Sep	1	1	4	4	0	0	1	1	2	2	3	3	
1977	Oct	1	1	4	4	0	0	0	0	1	1	4	4
	Nov	1	1	5	5	0	0	0	1	1	1	4	4
	Dec	1	1	4	4	0	0	0	0	1	1	3	3
	Jan	2	2	6	6	0	0	1	1	2	2	8	8
	Feb	3	3	8	8	1	1	1	1	3	3	8	8
	Mar	5	6	10	11	1	1	2	2	6	6	11	11
	Apr	5	13	9	17	1	1	2	3	4	5	8	9
	May	4	19	10	25	2	2	3	6	5	9	10	13
	Jun	3	5	7	9	1	1	2	3	3	4	4	5
Jul	1	1	3	3	0	0	0	0	1	1	1	1	
Aug	0	0	2	2	0	0	0	0	0	0	0	0	
Sep	0	0	2	2	0	0	0	0	0	0	1	1	
1987	Oct	4	4	7	7	1	1	1	1	2	2	9	9
	Nov	2	2	5	5	0	0	1	1	2	2	8	8
	Dec	2	2	5	6	1	1	1	1	2	2	8	8
	Jan	4	4	10	10	1	1	2	2	5	5	11	12
	Feb	17	26	39	47	5	5	8	10	22	24	55	57
	Mar	15	32	51	68	3	10	6	17	25	42	72	89
	Apr	13	69	37	93	2	8	5	17	14	32	35	53
	May	9	27	17	36	2	3	5	7	9	12	22	25
	Jun	3	4	7	7	1	1	1	1	4	4	10	10
Jul	1	1	4	4	0	0	1	1	2	2	4	4	
Aug	0	1	2	2	0	0	0	0	1	1	2	2	
Sep	0	0	2	2	0	0	0	0	1	1	2	2	
1988	Oct	1	1	3	3	0	0	0	0	1	1	3	3
	Nov	2	2	5	5	0	0	1	1	2	2	6	6
	Dec	9	17	22	30	3	3	5	5	12	12	32	32
	Jan	12	17	38	43	3	6	7	9	20	24	59	63
	Feb	13	19	36	42	2	7	5	10	14	24	33	42
	Mar	11	37	37	63	2	8	5	12	13	26	44	57
	Apr	10	49	28	67	2	5	5	10	13	21	28	36
	May	10	32	25	47	3	3	5	10	10	15	22	27
	Jun	5	8	11	15	1	1	3	4	6	7	12	13
Jul	1	1	5	5	0	0	1	1	2	2	4	4	
Aug	0	1	3	3	0	0	0	0	1	1	2	2	
Sep	0	0	2	2	0	0	0	0	0	0	1	1	
1992	Oct	2	3	5	6	0	1	1	1	2	2	6	6
	Nov	4	4	8	8	1	1	1	1	4	4	10	10
	Dec	4	4	8	8	1	1	2	2	4	4	10	10
	Jan	4	4	9	9	1	1	2	2	5	5	10	10
	Feb	9	31	39	61	3	8	5	12	19	32	83	96
	Mar	10	38	47	75	3	11	6	20	18	39	66	87
	Apr	9	71	31	92	3	8	6	18	12	29	33	50
	May	8	13	15	20	2	2	4	4	7	8	18	18
	Jun	3	3	6	6	1	1	1	1	3	3	9	9
Jul	2	2	4	4	0	0	1	1	2	2	5	5	
Aug	0	0	2	2	0	0	0	0	0	0	2	2	
Sep	0	0	2	2	0	0	0	0	0	0	2	2	
1994	Oct	1	1	5	5	0	0	1	1	2	2	9	9
	Nov	2	2	5	5	0	0	1	1	2	2	9	9
	Dec	4	5	11	11	2	2	3	3	8	8	18	18
	Jan	5	6	12	12	1	1	2	2	6	6	15	15
	Feb	6	8	19	21	4	4	7	7	18	19	41	42
	Mar	11	32	42	62	3	12	7	18	16	36	54	75
	Apr	10	53	28	71	3	9	7	17	12	28	31	48
	May	10	46	21	58	3	5	7	13	13	21	27	35
	Jun	4	5	9	10	1	1	2	2	5	5	12	12
Jul	1	1	3	3	0	0	1	1	2	2	5	5	
Aug	0	0	2	2	0	0	0	0	1	1	3	3	
Sep	0	0	2	2	0	0	0	0	1	1	2	2	

**Table 2. Rubicon River and Middle Fork American River Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions.**

Water Year	Month	Rubicon River - Below Heil Hole Reservoir (540.832)		Rubicon River - Below South Fork Rubicon River (834.836)		Rubicon River - Above Ralston Afterbay (842.815+ACC)		Middle Fork American River - Below French Meadows Reservoir (530.802)		Middle Fork American River - Above Middle Fork Interbay (806.810+ACC)		Middle Fork American River - Below Middle Fork Interbay (810.812)		Middle Fork American River - Above Ralston Afterbay (813.845)	
		USGS Gage 11431000		USGS Gage 11433200		USGS Gage 11427500		USGS Gage 1147760		USGS Gage 11427770		USGS Gage 11427770		USGS Gage 11427770	
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Wet Water Years</b>															
1980	Oct	9	126	29	145	46	168	8	4	23	20	18	29	41	52
	Nov	15	174	36	195	70	240	8	33	37	66	21	87	53	119
	Dec	16	150	49	183	122	266	8	44	48	87	22	115	69	161
	Jan	22	1615	994	2587	2554	4065	20	809	724	1449	436	1834	528	1926
	Feb	23	615	360	953	1613	2049	10	360	342	694	214	886	366	1058
	Mar	19	311	176	468	781	1019	7	147	235	361	206	476	365	635
	Apr	22	891	122	590	449	1382	5	423	213	672	193	834	254	895
	May	20	1447	86	1513	271	1750	8	585	106	797	99	968	169	1039
	Jun	20	1061	63	1104	148	1208	8	333	50	428	36	506	73	543
Jul	20	485	47	513	82	557	8	108	38	141	34	163	61	190	
Aug	11	47	31	66	56	95	8	10	22	23	24	30	38	44	
Sep	12	15	28	31	45	51	8	4	21	15	20	20	34	33	
1982	Oct	10	77	24	90	40	111	8	7	27	25	20	34	46	61
	Nov	19	1307	197	1485	397	1748	13	635	228	879	48	1059	345	1356
	Dec	318	1407	688	1777	1588	2639	26	699	467	1150	361	1443	883	1965
	Jan	21	311	149	439	711	911	23	146	276	384	196	508	599	911
	Feb	172	1239	670	1737	2047	2967	201	557	541	924	440	1178	676	1414
	Mar	24	531	252	759	1141	1528	24	280	355	606	306	794	615	1103
	Apr	129	1169	596	1637	2180	3024	181	530	665	993	598	1272	1055	1729
	May	544	1819	795	2070	1674	2878	274	872	647	1333	632	1659	786	1812
	Jun	118	1256	192	1331	421	1565	149	417	272	629	289	789	372	872
Jul	20	481	54	514	124	592	9	100	72	162	34	197	77	240	
Aug	11	74	33	96	64	130	8	19	37	45	21	58	42	79	
Sep	10	171	46	208	90	245	8	22	33	45	20	58	45	83	
1983	Oct	12	411	66	466	131	539	9	116	68	176	34	217	67	249
	Nov	14	346	81	413	309	641	11	148	117	261	31	330	76	375
	Dec	14	353	222	560	1024	1244	14	179	282	430	60	565	184	689
	Jan	16	251	178	413	813	992	13	138	221	330	27	432	238	644
	Feb	21	359	275	613	1358	1539	14	197	379	537	77	713	648	1284
	Mar	24	690	471	1136	2022	2469	19	417	531	904	476	1178	694	1396
	Apr	22	485	237	700	1149	1525	16	258	336	576	292	754	476	938
	May	29	1950	350	2270	1215	3178	19	920	507	1484	491	1858	623	1991
	Jun	653	2903	1010	3260	1486	3781	171	1181	382	1630	399	2006	458	2064
Jul	303	1278	389	1364	549	1524	136	401	191	537	207	653	231	677	
Aug	21	298	53	329	106	378	8	61	37	90	31	109	46	124	
Sep	22	156	48	183	84	216	8	16	31	36	25	47	36	58	
1984	Oct	21	110	48	138	87	182	8	25	32	49	25	64	59	98
	Nov	26	1246	451	1671	903	2160	17	620	299	981	81	1238	66	1419
	Dec	25	1044	612	1630	1959	2893	24	547	474	1020	464	1305	676	1517
	Jan	28	399	163	534	627	1007	26	229	467	270	280	599	414	733
	Feb	13	291	121	399	475	753	11	149	30	299	30	385	159	513
	Mar	13	501	148	636	567	1072	10	257	206	475	25	610	191	776
	Apr	14	628	94	709	343	990	9	287	121	443	24	554	105	635
	May	20	1635	75	1690	199	1846	9	504	87	682	41	828	142	928
	Jun	21	788	58	824	129	902	11	201	47	253	46	290	104	348
Jul	21	197	43	220	78	255	8	24	32	45	23	55	56	89	
Aug	21	17	38	34	51	50	9	5	23	18	22	24	45	47	
Sep	22	8	37	23	43	30	8	4	20	14	22	19	42	38	
1986	Oct	24	50	45	71	61	89	10	7	22	17	23	23	36	36
	Nov	24	77	46	99	86	147	9	37	36	60	26	73	39	85
	Dec	19	260	66	307	171	441	10	114	77	185	25	231	66	271
	Jan	16	594	148	726	420	1064	14	317	181	514	24	647	94	717
	Feb	38	1773	1340	3076	4625	6067	90	1098	1094	2038	1170	2620	1874	3324
	Mar	478	1233	836	1591	1772	2441	375	657	749	1092	1016	1376	1079	1439
	Apr	33	924	113	1004	392	1282	32	363	206	592	213	746	266	799
	May	23	1342	75	1394	192	1539	34	415	107	551	74	656	115	697
	Jun	71	399	109	898	173	970	37	190	77	236	64	267	79	282
Jul	23	136	46	159	81	198	9	9	26	23	32	32	42	42	
Aug	22	18	42	37	65	61	9	4	19	13	24	17	31	24	
Sep	22	43	44	66	74	98	9	5	26	19	24	27	34	37	
1995	Oct	27	14	37	25	49	38	5	4	12	10	12	14	23	25
	Nov	8	105	27	125	58	160	6	34	28	55	12	68	31	88
	Dec	10	139	60	189	196	334	7	43	73	100	18	131	40	154
	Jan	16	551	350	884	1352	1898	14	366	439	771	143	1008	212	1077
	Feb	10	436	126	552	460	909	7	245	230	472	38	600	143	705
	Mar	25	1218	499	1693	2054	3181	18	602	602	1209	390	1566	595	1771
	Apr	38	942	389	1292	1507	2390	14	485	400	892	384	1131	631	1377
	May	52	2006	424	2378	1460	3321	184	969	649	1533	630	1917	791	2078
	Jun	1007	2418	1131	2541	1421	2820	272	809	475	1156	466	1433	517	1484
Jul	276	1081	316	1122	408	1221	58	300	123	378	85	430	111	457	
Aug	24	237	54	268	96	314	10	35	31	53	24	63	40	79	
Sep	27	29	53	56	82	87	9	7	23	19	22	25	35	38	
1996	Oct	24	15	46	37	71	64	9	5	21	15	23	21	30	27
	Nov	23	19	42	38	73	74	9	6	20	15	23	20	33	30
	Dec	18	475	92	549	254	718	11	156	94	246	37	309	73	344
	Jan	17	339	114	436	451	759	13	191	171	353	24	450	71	498
	Feb	20	1209	436	1624	1578	2730	21	654	549	1201	220	1526	248	1554
	Mar	15	586	250	821	989	1544	14	321	340	644	52	823	172	944
	Apr	16	1039	194	1217	745	1808	13	511	267	827	159	1032	283	1155
	May	1053	2303	1449	2699	1914	3169	345	713	555	1104	544	1403	625	1484
	Jun	97	818	162	882	324	1045	18	178	103	262	61	312	101	352
Jul	23	153	60	189	126	260	11	20	48	52	24	68	46	90	
Aug	23	17	49	43	84	79	11	5	28	19	24	26	38	40	
Sep	22	16	46	39	72	67	10	5	20	13	23	18	35	30	
1997	Oct	26	20	50	45	77	72	9	6	20	15	21	20	32	31



**Table 2. Rubicon River and Middle Fork American River Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Rubicon River - Below Heil Hole Reservoir (540.832)		Rubicon River - Below South Fork Rubicon River (834.836)		Rubicon River - Above Ralston Afterbay (842.815)		Middle Fork American River - Below French Meadows Reservoir (530.802)		Middle Fork American River - Above Middle Fork Interbay (806.810)		Middle Fork American River - Below Middle Fork Interbay (810.812)		Middle Fork American River - Above Ralston Afterbay (813.845)	
		USGS Gage 11431000		USGS Gage 11433200		USGS Gage 11427500		USGS Gage 1147760		USGS Gage 11427770					
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Wet Water Years (continued)</b>															
2006	Oct	39	9	62	32	86	58	10	7	27	22	28	29	44	45
	Nov	24	89	42	107	69	135	10	20	34	43	24	57	29	62
	Dec	24	1797	584	2357	1626	3353	25	800	417	1244	247	1579	469	1801
	Jan	75	641	344	910	1099	1570	17	289	362	597	320	781	470	930
	Feb	28	799	240	1011	881	1586	18	370	327	673	295	864	397	967
	Mar	28	451	194	618	873	1224	15	213	291	477	255	619	353	717
	Apr	38	1167	596	1724	2894	3694	26	603	688	1240	620	1591	1123	2094
	May	997	2050	1238	2290	2151	3148	395	979	761	1434	715	1773	871	1928
	Jun	278	1137	349	1208	515	1373	91	309	156	416	141	498	191	549
	Jul	23	272	56	305	111	362	12	39	45	67	26	83	47	104
Aug	22	29	49	56	85	94	11	8	29	24	24	32	41	49	
Sep	33	20	56	42	77	65	55	6	53	17	53	23	65	35	
<b>Above Normal Water Years</b>															
1975	Oct	8	20	28	40	58	71	6	6	18	17	19	22	64	67
	Nov	12	35	33	56	80	105	6	11	22	26	19	34	72	87
	Dec	13	66	37	90	86	144	6	17	27	37	18	49	45	75
	Jan	14	91	44	122	128	211	7	44	55	90	18	116	52	151
	Feb	19	167	98	245	349	506	8	61	126	165	19	219	102	302
	Mar	20	287	148	415	591	852	10	131	220	320	19	417	143	542
	Apr	19	285	134	380	567	793	9	149	207	332	24	430	102	508
	May	21	1796	172	1947	671	2528	16	823	384	1242	18	1520	128	1630
	Jun	17	1747	67	1797	191	1956	13	584	120	787	18	955	61	998
	Jul	16	327	47	357	99	411	12	90	45	126	19	149	39	169
Aug	9	41	32	63	64	98	7	4	27	22	19	32	33	46	
Sep	7	17	25	34	45	57	5	5	20	17	19	23	30	34	
1978	Oct	8	2	12	5	13	7	3	1	8	6	6	8	10	12
	Nov	9	24	19	34	34	53	3	14	15	25	9	32	19	42
	Dec	21	378	65	422	155	548	6	182	90	286	9	356	59	406
	Jan	26	388	201	563	652	1099	10	221	263	463	13	592	167	747
	Feb	19	247	121	350	447	710	8	119	167	269	27	349	100	422
	Mar	23	617	204	797	766	1425	12	387	321	713	25	901	113	990
	Apr	22	676	179	833	749	1415	9	420	289	731	24	917	44	937
	May	19	1603	108	1692	400	2038	5	690	220	990	24	1214	108	1298
	Jun	19	1373	61	1415	141	1521	8	444	66	582	24	699	41	716
	Jul	18	365	43	390	74	427	8	86	39	116	24	135	34	146
Aug	11	23	29	41	45	60	8	5	23	17	24	24	31	31	
Sep	11	63	34	86	52	108	8	8	24	22	22	30	30	38	
1993	Oct	28	22	41	35	65	50	10	10	18	18	16	24	25	32
	Nov	22	40	34	53	53	74	10	11	20	21	21	27	35	41
	Dec	17	117	54	154	152	267	11	59	62	108	27	137	52	162
	Jan	15	375	145	505	568	983	14	177	207	370	35	480	90	536
	Feb	13	244	131	362	566	801	14	126	196	294	25	383	129	488
	Mar	18	817	327	1127	1305	2113	18	474	450	921	87	1182	255	1351
	Apr	16	922	230	1136	975	1936	12	525	319	882	70	1102	244	1276
	May	21	2035	115	2128	374	2472	11	879	176	1252	29	1554	98	1623
	Jun	23	1221	95	1294	262	1493	11	445	101	622	24	762	67	805
	Jul	22	314	57	349	118	415	10	79	43	109	24	127	45	149
Aug	22	50	49	77	80	111	10	10	25	22	24	29	38	43	
Sep	22	16	43	38	65	60	10	5	20	13	23	18	34	28	
1999	Oct	26	22	51	48	85	83	10	9	23	21	24	27	44	47
	Nov	23	153	54	183	109	243	10	52	44	87	23	109	25	111
	Dec	17	194	70	247	221	402	11	95	79	165	28	211	55	238
	Jan	14	289	140	426	540	807	15	228	187	414	23	528	79	584
	Feb	16	375	301	660	1282	1542	19	264	352	576	70	740	171	840
	Mar	14	323	192	501	692	998	16	260	252	491	115	619	215	719
	Apr	14	688	156	830	580	1284	25	365	221	593	51	737	142	828
	May	19	1913	101	1995	324	2280	445	793	552	1067	30	1303	87	1360
	Jun	23	1239	69	1286	176	1408	15	383	76	508	23	609	55	641
	Jul	23	271	54	302	102	353	10	55	36	78	23	92	43	112
Aug	23	30	49	56	78	87	10	9	23	20	23	26	37	40	
Sep	24	20	46	43	68	64	10	5	19	13	22	17	33	28	
2000	Oct	23	24	43	44	66	67	11	7	20	16	22	20	31	29
	Nov	22	59	42	79	72	110	10	19	25	32	23	41	41	58
	Dec	16	30	35	48	62	77	10	13	26	27	23	35	71	83
	Jan	14	412	122	519	312	746	13	186	113	305	23	384	107	468
	Feb	15	458	244	688	1067	1469	17	282	252	522	41	663	229	851
	Mar	13	445	147	579	562	1004	14	227	218	429	23	545	109	631
	Apr	13	1026	103	1116	388	1445	12	530	168	777	23	960	85	1022
	May	19	1306	87	1375	265	1592	11	476	114	661	23	807	75	858
	Jun	22	436	63	476	141	561	11	111	54	152	23	178	51	206
	Jul	22	43	46	67	82	105	10	10	27	25	23	33	39	49
Aug	23	14	44	36	68	61	10	4	18	11	19	14	31	26	
Sep	26	20	48	42	72	67	10	6	19	13	17	17	30	30	
2005	Oct	21	47	48	74	73	100	9	13	31	33	25	45	70	90
	Nov	21	77	40	96	71	129	10	16	42	45	24	63	32	71
	Dec	16	147	53	185	156	292	10	50	71	109	24	146	50	172
	Jan	14	192	94	272	335	523	11	71	134	180	50	238	66	254
	Feb	13	237	133	356	532	767	14	121	189	281	24	368	125	469
	Mar	15	450	220	655	914	1353	17	275	293	547	24	700	161	837
	Apr	14	675	215	876	936	1616	18	364	323	689	24	883	181	1040
	May	274	2481	504	2711	1172	3445	98	1038	464	1541	206	1933	328	2056
	Jun	321	1298	386	1362	547	1534	102	427	211	606	215	745	262	792
	Jul	23	319	57	354	113	413	11	69	65	117	24	143	48	167
Aug	22	14	47	40	79	74	11	10	37	32	24	43	39	58	
Sep	23	2	46	25	70	50	10	6	28	21	23	29	36	42	
<b>Below Normal Water Years</b>															
1979	Oct	10	15	28	32	43	51	8	4	19	14	18	19	40	41
	Nov	16	27	30	40	44	58	8	8	20	19	17	25	38	47
	Dec	14	34	31	51	58	83	7	13						

**Table 2. Rubicon River and Middle Fork American River Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Rubicon River - Below Hell Hole Reservoir (540.832)		Rubicon River - Below South Fork Rubicon River (834.836)		Rubicon River - Above Ralston Afterbay (842.815)		Middle Fork American River - Below French Meadows Reservoir (530.802)		Middle Fork American River - Above Middle Fork Interbay (806.810)		Middle Fork American River - Below Middle Fork Interbay (810.812)		Middle Fork American River - Above Ralston Afterbay (813.845)	
		USGS Gage 11431000		USGS Gage 11433200		USGS Gage 11427500		USGS Gage 1147760		USGS Gage 11427770					
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Below Normal Water Years (continued)</b>															
1985	Oct	22	99	44	121	71	152	8	13	28	31	23	40	29	46
	Nov	24	368	69	413	174	548	10	106	89	185	33	232	82	281
	Dec	17	126	51	160	131	256	9	36	70	91	33	121	77	165
	Jan	13	90	41	117	111	196	8	48	55	89	30	113	49	132
	Feb	14	144	54	185	158	303	9	70	74	128	28	160	93	224
	Mar	14	224	68	278	212	441	10	119	105	206	24	255	84	314
	Apr	16	1007	140	1131	529	1579	12	502	208	759	24	931	116	1023
	May	19	919	75	974	198	1134	9	332	77	321	23	564	68	609
	Jun	23	269	50	296	89	340	9	77	41	110	23	131	43	151
Jul	23	39	41	58	59	77	8	9	24	22	23	29	35	41	
Aug	22	12	39	29	52	43	9	3	20	13	21	17	29	26	
Sep	23	23	43	43	59	62	9	7	22	19	25	25	37	37	
1989	Oct	41	8	50	17	54	22	5	2	10	7	9	9	21	20
	Nov	9	187	30	208	74	259	6	94	52	149	18	187	39	208
	Dec	8	109	29	131	82	188	6	55	31	83	12	103	13	104
	Jan	8	102	28	123	78	179	6	43	39	76	13	95	14	96
	Feb	8	210	44	246	142	363	6	100	80	173	13	215	37	239
	Mar	16	1337	311	1633	1212	2688	15	649	452	1136	42	1432	181	1571
	Apr	14	1269	121	1375	443	1791	11	654	274	1031	59	1289	102	1332
	May	26	994	76	1044	175	1179	7	361	82	497	46	602	84	640
	Jun	22	585	58	621	116	687	9	156	46	196	23	223	40	239
Jul	22	57	43	78	72	110	9	11	24	24	24	31	34	41	
Aug	23	24	41	42	60	62	9	5	18	13	24	17	31	24	
Sep	37	42	57	62	79	85	10	8	21	18	23	23	31	31	
2002	Oct	42	13	53	24	62	32	28	3	29	5	30	8	38	14
	Nov	35	175	52	192	78	219	14	41	40	69	23	87	38	103
	Dec	18	217	70	269	241	443	11	68	91	143	24	187	77	240
	Jan	12	283	89	360	321	620	12	126	151	260	23	338	64	379
	Feb	12	283	81	352	268	579	12	159	170	311	24	397	67	441
	Mar	13	367	135	489	498	897	14	230	225	438	24	557	96	629
	Apr	12	1003	101	1092	361	1407	13	571	216	867	24	1076	81	1134
	May	17	1169	61	1213	161	1348	11	480	103	673	24	827	57	861
	Jun	21	513	51	543	102	599	9	167	56	223	24	263	41	280
Jul	21	32	44	54	69	80	10	13	30	31	24	40	34	51	
Aug	21	19	40	38	57	53	10	5	22	16	23	22	30	29	
Sep	37	14	54	31	67	42	10	4	20	13	21	17	27	23	
2003	Oct	37	14	55	32	70	46	10	4	20	12	20	17	32	28
	Nov	21	155	42	176	78	212	12	56	65	109	24	142	43	162
	Dec	16	262	77	323	281	537	13	134	134	260	24	337	58	371
	Jan	13	424	126	537	495	950	16	241	232	469	28	605	78	655
	Feb	12	234	74	295	215	477	12	172	155	324	24	415	85	469
	Mar	12	522	92	602	310	868	11	297	155	478	24	598	77	651
	Apr	13	539	158	684	675	1199	13	291	233	520	24	654	129	759
	May	18	1549	172	1702	670	2254	13	625	272	992	54	1248	160	1354
	Jun	107	895	155	944	257	1060	10	251	77	346	44	414	76	447
Jul	21	81	49	109	87	150	10	12	40	37	24	51	41	68	
Aug	22	28	46	52	71	78	9	8	29	25	24	34	36	46	
Sep	21	9	43	31	61	48	9	5	22	15	24	21	33	30	
2004	Oct	31	4	50	23	66	39	9	4	20	13	24	18	26	20
	Nov	21	9	39	27	63	52	9	13	29	29	24	38	31	45
	Dec	17	235	64	282	206	429	12	80	101	171	24	228	58	261
	Jan	11	143	61	193	227	360	11	40	107	124	24	171	53	200
	Feb	12	263	115	366	417	698	13	139	167	286	24	370	118	464
	Mar	12	682	164	834	596	1321	14	380	255	662	24	842	117	935
	Apr	12	893	84	965	283	1208	10	426	131	631	24	787	68	831
	May	18	828	50	859	119	942	9	291	68	396	24	479	48	503
	Jun	21	306	47	332	83	369	9	75	41	103	24	121	39	135
Jul	21	25	41	45	63	66	10	11	27	25	24	33	34	43	
Aug	21	14	38	31	53	44	9	4	4	14	24	19	31	26	
Sep	21	13	38	30	51	41	9	4	18	12	24	15	31	22	
<b>Dry Water Years</b>															
1981	Oct	12	18	29	35	41	51	8	5	24	18	13	24	59	70
	Nov	14	27	28	41	52	100	8	9	25	23	17	31	109	123
	Dec	14	74	31	91	56	127	8	16	35	41	21	56	159	193
	Jan	15	70	39	95	88	151	9	33	42	61	19	76	92	150
	Feb	22	299	58	335	137	439	9	95	82	178	19	232	90	303
	Mar	22	269	92	340	248	544	9	127	130	249	19	321	106	408
	Apr	22	832	77	887	220	1068	8	369	118	518	23	618	58	653
	May	22	763	51	792	111	870	8	235	54	312	22	372	34	384
	Jun	22	199	38	214	63	242	7	38	36	65	22	80	34	91
Jul	19	13	30	24	40	34	7	5	25	19	22	27	29	33	
Aug	11	7	20	16	26	21	8	2	18	11	15	15	19	18	
Sep	10	8	21	19	26	24	8	2	14	8	10	10	14	14	
1990	Oct	27	100	52	124	88	163	10	25	28	42	21	52	42	72
	Nov	22	98	43	118	82	162	10	25	32	45	24	57	48	80
	Dec	17	75	35	94	72	133	9	25	29	43	24	53	43	73
	Jan	12	185	41	214	111	288	10	70	54	115	24	149	50	188
	Feb	12	134	44	166	132	255	10	55	60	98	24	123	48	147
	Mar	13	425	88	500	288	741	12	198	143	333	24	413	79	468
	Apr	13	829	61	877	181	1034	10	354	91	488	24	589	51	616
	May	19	565	53	599	127	687	10	211	62	280	24	330	54	360
	Jun	23	337	52	366	120	445	10	125	59	180	24	215	50	241
Jul	23	37	36	50	58	74	9	10	25	23	24	30	35	41	
Aug	22	13	33	24	46	37	9	4	17	11	18	14	25	21	
Sep	22	10	32	20	41	30	10	4	16	9	17	12	24	18	
1991	Oct	26	15	37	26	46	36	10	4	16	10	18	12	23	18
	Nov	22	18	34	29	47	44	10	4	17	10	19	13	24	18
	Dec	17	6	29	18	43	35	10	7	18	13	19	17	22	19
	Jan	12	12	24	23	35	38	10	5	18	12	19	16	27	25
	Feb	13	40	27	54	39	71	10							

**Table 2. Rubicon River and Middle Fork American River Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Rubicon River - Below Hell Hole Reservoir (540.832)		Rubicon River - Below South Fork Rubicon River (834.836)		Rubicon River - Above Ralston Afterbay (842.815)		Middle Fork American River - Below French Meadows Reservoir (530.802)		Middle Fork American River - Above Middle Fork Interbay (806.810)		Middle Fork American River - Below Middle Fork Interbay (810.812)		Middle Fork American River - Above Ralston Afterbay (813.845)	
		USGS Gage 11431000 Impaired	USGS Gage 11431000 Unimpaired	USGS Gage 11433200 Impaired	USGS Gage 11433200 Unimpaired	USGS Gage 11427500 Impaired	USGS Gage 11427500 Unimpaired	USGS Gage 1147760 Impaired	USGS Gage 1147760 Unimpaired	USGS Gage 11427770 Impaired	USGS Gage 11427770 Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired
<b>Dry Water Years (continued)</b>															
2007	Oct	64	21	81	38	112	71	14	6	26	18	26	24	57	54
	Nov	24	136	40	151	84	198	10	25	33	47	24	60	69	105
	Dec	17	182	40	205	114	283	11	33	68	96	23	138	43	157
	Jan	15	126	36	147	109	224	11	53	95	134	23	182	51	210
	Feb	15	277	66	328	227	502	14	192	171	375	74	500	228	655
	Mar	17	545	77	606	279	826	13	258	183	458	24	588	145	709
	Apr	17	698	61	741	188	890	11	259	115	402	24	504	69	549
	May	21	671	51	701	134	803	11	213	92	314	24	384	49	409
	Jun	23	165	39	180	76	222	9	33	41	60	25	75	41	91
Jul	23	23	33	33	53	55	10	7	23	18	24	24	33	33	
Aug	23	11	32	20	50	39	10	3	17	9	19	12	25	18	
Sep	28	13	37	23	56	42	10	4	16	9	19	12	25	18	
<b>Critical Water Years</b>															
1976	Oct	8	228	40	260	84	306	6	47	34	77	19	96	106	184
	Nov	15	232	35	253	95	314	10	66	39	101	24	125	53	154
	Dec	15	93	33	111	82	162	10	39	37	65	19	82	42	105
	Jan	15	66	32	83	71	125	9	26	33	49	18	63	48	93
	Feb	19	76	40	97	89	149	9	20	41	49	21	67	96	141
	Mar	18	233	45	261	115	342	9	84	72	148	24	189	101	266
	Apr	18	373	42	397	107	474	9	152	62	221	25	270	43	289
	May	14	568	28	592	59	623	4	156	32	207	14	245	19	251
	Jun	8	78	18	88	29	102	4	24	20	39	13	48	28	63
Jul	9	12	18	21	23	27	4	4	15	13	13	18	20	24	
Aug	8	35	20	47	28	56	4	9	15	19	12	25	23	36	
Sep	9	32	19	43	26	51	4	2	13	10	12	14	22	24	
1977	Oct	8	23	19	34	28	45	5	3	13	10	11	14	25	28
	Nov	8	16	18	27	28	38	4	7	15	16	11	21	29	39
	Dec	8	7	17	17	24	26	4	4	14	12	12	16	16	21
	Jan	6	9	21	24	39	47	4	10	18	21	11	28	20	36
	Feb	6	46	19	58	35	78	5	20	21	34	11	43	21	53
	Mar	6	60	17	71	40	97	4	26	24	45	11	56	34	79
	Apr	8	316	15	324	30	342	4	72	21	94	12	111	15	114
	May	8	387	18	398	37	422	4	116	24	148	11	173	17	178
	Jun	8	232	14	238	22	248	4	58	17	72	11	81	20	89
Jul	7	12	10	15	12	17	3	8	10	14	8	16	10	19	
Aug	7	4	9	6	9	6	3	1	7	5	6	6	7	7	
Sep	6	7	9	10	11	11	3	2	7	6	6	8	8	10	
1987	Oct	21	88	44	110	69	138	9	8	22	20	24	27	41	44
	Nov	22	29	37	44	58	67	11	4	21	13	28	18	44	34
	Dec	17	25	31	39	54	63	9	11	20	20	26	26	42	41
	Jan	12	41	28	57	55	86	9	20	28	37	23	46	40	63
	Feb	14	198	64	248	183	379	11	75	85	148	24	195	70	241
	Mar	15	264	80	330	239	523	12	158	123	270	24	339	78	393
	Apr	15	816	47	848	124	949	10	328	88	451	24	545	40	560
	May	18	493	43	518	92	573	10	168	41	215	24	251	45	272
	Jun	21	62	38	79	60	103	9	28	22	40	23	47	35	58
Jul	21	24	32	35	43	46	9	5	18	12	21	16	27	22	
Aug	21	12	31	22	39	29	9	7	13	11	19	13	23	17	
Sep	21	8	30	17	37	23	9	2	13	6	15	7	19	11	
1988	Oct	25	13	38	26	46	35	9	4	15	9	17	12	23	18
	Nov	21	19	34	32	49	49	9	8	19	16	21	22	33	34
	Dec	16	168	42	194	112	267	9	67	52	113	23	143	43	162
	Jan	12	152	55	194	184	332	10	59	90	134	24	177	52	204
	Feb	11	152	39	180	107	262	10	92	83	161	24	203	37	217
	Mar	11	315	47	351	147	469	10	164	90	259	24	321	50	347
	Apr	12	472	36	497	92	567	10	205	68	294	24	361	31	367
	May	18	409	40	432	85	486	10	155	59	220	24	267	42	285
	Jun	11	176	28	193	52	220	6	59	28	82	13	97	22	106
Jul	11	27	21	37	30	46	5	5	15	14	13	18	17	22	
Aug	11	9	21	19	25	23	5	2	11	8	12	10	14	13	
Sep	11	7	21	17	23	20	5	2	10	6	12	8	14	10	
1992	Oct	35	48	50	63	66	81	10	9	20	19	17	26	31	39
	Nov	22	79	38	95	60	121	10	21	25	34	23	42	39	58
	Dec	17	47	32	62	55	89	10	18	25	31	23	39	36	52
	Jan	13	45	28	61	50	86	10	19	26	34	23	42	28	47
	Feb	15	291	87	364	285	588	11	138	99	235	24	295	82	354
	Mar	16	338	78	401	231	590	10	196	118	317	24	392	72	440
	Apr	14	729	49	764	121	862	9	288	76	407	24	500	38	514
	May	18	274	41	297	80	341	9	90	36	119	24	139	26	141
	Jun	22	57	40	74	62	98	10	17	22	28	22	34	31	43
Jul	22	27	35	40	48	55	9	7	18	15	19	19	25	25	
Aug	22	11	32	21	39	28	10	2	14	6	15	8	18	12	
Sep	24	7	32	15	38	21	10	2	14	6	15	8	18	11	
1994	Oct	23	29	45	51	70	77	10	7	22	17	24	22	41	39
	Nov	22	22	40	40	65	66	9	6	21	17	24	22	41	40
	Dec	17	27	38	48	77	92	9	19	30	38	24	49	46	71
	Jan	13	52	34	72	68	109	9	24	32	44	24	57	38	71
	Feb	14	94	47	127	134	217	10	40	50	77	24	98	32	106
	Mar	14	322	74	382	199	540	11	160	104	260	24	323	67	366
	Apr	14	595	47	628	118	721	10	244	68	337	24	408	39	423
	May	18	608	44	634	100	701	10	216	50	288	24	345	46	367
	Jun	13	118	30	135	57	163	5	34	21	50	13	60	25	72
Jul	13	17	26	30	39	43	5	5	12	12	13	15	20	22	
Aug	14	7	25	18	33	26	5	2	10	6	12	8	17	13	
Sep	35	9	46	20	54	28	5	2	11	7	12	9	17	15	

**Table 3. Middle Fork American River Peaking Reach Powerhouse and Reservoir Storage Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions.**

Water Year	Month	Middle Fork American River - Below Ralston Afterbay (855.857)		Middle Fork American River - Above Otter Creek (860.863)		Middle Fork American River - Above North Fork American River Confluence (866.868)		French Meadows Powerhouse (530.540)	Middle Fork Powerhouse (823.810)	Ralston Powerhouse (810.815)	Oxbow Powerhouse (845.847)	French Meadows Reservoir (530)	Hole Hole Reservoir (540)
		USGS Gage 11433300 Impaired	USGS Gage 11433300 Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Impaired	Impaired	Impaired	Impaired	Impaired Acre Feet
<b>Wet Water Years</b>													
1980	Oct	480	268	488	276	500	287	364	372	394	448	79801	117586
	Nov	600	472	610	482	625	497	276	388	420	515	59352	119531
	Dec	827	578	839	589	856	606	168	514	547	720	48338	113161
	Jan	5939	8252	6036	8349	6180	8493	16	393	611	896	73625	147717
	Feb	3948	4337	4005	4394	4086	4475	204	640	738	946	97499	168314
	Mar	2454	2251	2487	2285	2533	2330	384	916	916	934	97239	168288
	Apr	1958	2755	2031	2790	2033	2842	369	928	916	1067	89957	159381
	May	1545	3115	1584	3155	1642	3212	221	893	902	1061	106758	186388
	Jun	965	1878	991	1904	1029	1942	67	571	605	753	128226	187757
Jul	845	811	859	825	880	845	343	682	703	819	129447	196421	
Aug	569	174	576	181	586	191	200	444	451	533	111275	174787	
Sep	521	111	527	118	536	126	197	424	445	508	100279	162829	
1982	Oct	167	218	174	225	185	236	327	175	190	219	71747	125601
	Nov	1938	3723	1989	3775	2057	3843	140	365	535	718	67830	151022
	Dec	4905	6149	4989	6234	5098	6342	332	827	874	1033	97443	188068
	Jan	2893	2516	2936	2558	2985	2608	286	854	899	998	107605	198740
	Feb	5227	6076	5305	6154	5414	6264	260	789	855	1002	107700	193918
	Mar	3468	3455	3518	3505	3583	3571	331	899	904	1060	110329	204197
	Apr	5572	6233	5657	6318	5769	6431	271	871	879	1026	112189	201735
	May	3888	5487	3956	5555	4053	5652	321	930	903	1043	125367	208472
	Jun	1932	2658	1967	2693	2017	2743	326	935	906	1057	136079	207766
Jul	1164	922	1180	937	1202	960	325	851	857	1020	129548	197631	
Aug	1060	263	1068	271	1079	282	309	867	869	1002	111180	167499	
Sep	677	392	686	401	700	415	286	513	547	634	92451	144146	
1983	Oct	920	923	935	938	957	960	325	541	587	734	75217	136767
	Nov	1564	1352	1585	1373	1614	1402	335	774	837	1013	64491	138625
	Dec	2846	2755	2885	2794	2939	2848	304	657	836	1043	55105	131644
	Jan	2341	2219	2375	2253	2420	2298	79	517	691	1039	51584	124275
	Feb	3978	3951	4041	4014	4115	4089	284	612	848	1057	52167	119927
	Mar	5076	5396	5146	5466	5245	5564	338	895	881	1027	55119	120730
	Apr	3184	3421	3231	3468	3295	3532	348	939	907	1050	53364	112970
	May	3796	6147	3870	6221	3977	6328	352	955	905	1062	59780	118744
	Jun	3300	6337	3374	6411	3484	6521	362	944	905	1053	118981	199309
Jul	1836	2345	1867	2375	1912	2421	363	927	909	1057	135230	206925	
Aug	1142	571	1154	582	1170	599	355	862	850	1002	122657	190262	
Sep	1084	322	1092	330	1105	342	218	914	889	1036	103554	159961	
1984	Oct	582	343	591	352	604	364	319	411	416	504	90888	129236
	Nov	2952	4619	3009	4677	3091	4759	357	553	742	947	87032	155637
	Dec	4989	5921	5064	5996	5170	6102	354	899	919	1022	99456	188066
	Jan	2458	2207	2490	2238	2533	2281	281	951	907	1054	109185	200840
	Feb	1943	1636	1968	1661	2002	1656	242	820	908	1082	98322	181951
	Mar	2176	2309	2210	2343	2254	2387	215	774	904	1065	97407	167027
	Apr	1447	1951	1474	1979	1513	2017	159	530	642	972	104436	166566
	May	1271	3028	1311	3067	1368	3124	141	604	657	903	123326	191058
	Jun	1245	1353	1265	1374	1295	1404	258	872	872	1035	134400	201789
Jul	860	401	870	411	883	425	257	619	625	772	122019	185473	
Aug	795	134	802	141	811	150	194	631	630	758	108050	158685	
Sep	807	97	813	103	821	111	288	654	647	796	92642	132228	
1986	Oct	274	152	280	158	289	167	321	162	168	200	68516	110035
	Nov	388	310	397	319	409	331	58	160	181	270	55990	114120
	Dec	654	908	669	923	691	945	47	185	247	410	57465	112842
	Jan	1349	2232	1376	2259	1416	2299	169	517	566	876	67232	123126
	Feb	8815	12561	8964	12710	9166	12911	254	546	361	817	87200	159057
	Mar	4515	5210	4578	5273	4671	5366	327	764	450	908	113077	205290
	Apr	1832	2484	1863	2515	1908	2560	279	933	905	1028	113617	206090
	May	1273	2425	1304	2456	1350	2502	125	837	856	936	129442	200700
	Jun	923	1317	942	1336	970	1364	208	647	662	768	134310	203110
Jul	734	277	742	285	753	296	316	585	584	705	122774	189971	
Aug	757	117	763	123	771	132	173	650	645	756	106606	166052	
Sep	851	176	858	182	867	192	307	709	704	830	90977	137140	
1995	Oct	237	83	243	89	251	97	84	165	176	138	43903	91548
	Nov	394	325	402	334	415	346	0	226	251	285	41143	83697
	Dec	641	712	654	725	672	743	30	160	215	356	42226	78526
	Jan	3682	4478	3734	4530	3811	4607	86	363	609	732	54732	91239
	Feb	2031	2096	2061	2125	2102	2166	340	755	914	850	59886	100446
	Mar	4792	6785	4871	6864	4983	6976	216	707	835	846	74884	124855
	Apr	3459	4948	3516	5005	3594	5083	386	940	901	857	85150	141097
	May	3788	6406	3863	6480	3971	6588	384	938	900	857	111439	181300
	Jun	2948	4579	3001	4632	3080	4710	382	917	908	843	130977	208667
Jul	1494	1768	1519	1792	1555	1829	344	863	894	845	134368	206187	
Aug	1060	452	1070	462	1085	477	313	846	813	813	121016	185700	
Sep	571	162	578	169	587	179	320	389	395	405	101320	160530	
1996	Oct	790	790	796	827	806	836	328	681	681	739	89226	156488
	Nov	144	133	149	139	160	149	208	451	502	582	61023	133160
	Dec	859	1329	879	1349	907	1377	13	334	397	546	61003	123077
	Jan	1375	1761	1400	1786	1435	1821	0	265	398	773	71381	121226
	Feb	3866	5547	3931	5612	4028	5709	195	472	715	1068	97021	154621
	Mar	2721	3254	2764	3297	2825	3358	347	673	913	1073	103742	177777
	Apr	2260	3680	2303	3723	2364	3784	225	847	919	1077	114227	191223
	May	4020	5459	4084	5522	4178	5617	345	861	848	924	132726	207371
	Jun	1368	1613	1390	1635	1422	1667	264	807	834	1060	133290	203527
Jul	906	431	916	441	929	454	256	661	679	866	121984	182719	
Aug	848	161	855	167	864	177	200	679	679	839	106032	154239	
Sep	699	131	706	138	715	147	159	533	543	647	94933	123887	
1997	Oct	411	136	418	142	427	152	211	268	273	322	83181	114258
	Nov	828	1005	844	1021	867	1044	234	414	474	612	70950	108023
	Dec	4950	7205	5039	7294	5162	7417	325	658	810	996	79513	136703
	Jan	8778	9499	8897	9617	9058	9779	283	277	4	583	110623	208590
	Feb	2302	1853	2329	1880	2366	1917	365	872	0	710	104446</	

**Table 3. Middle Fork American River Peaking Reach Powerhouse and Reservoir Storage Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Middle Fork American River - Below Ralston Afterbay (855.857)		Middle Fork American River - Above Otter Creek (860.863)		Middle Fork American River - Above North Fork American River Confluence (866.868)		French Meadows Powerhouse (530.540)	Middle Fork Powerhouse (823.810)	Ralston Powerhouse (810.815)	Oxbow Powerhouse (845.847)	French Meadows Reservoir (530)	Hole Hole Reservoir (540)
		USGS Gage 11433300 Impaired	USGS Gage 11433300 Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Impaired	Impaired	Impaired	Impaired Acre Feet	Impaired Acre Feet
<b>Wet Water Years (continued)</b>													
2006	Oct	264	138	271	145	280	154	180	111	114	124	89079	153486
	Nov	709	242	716	249	727	259	193	570	564	641	76114	141417
	Dec	3434	6491	3508	6566	3614	6672	249	646	773	908	75234	143155
	Jan	3023	3379	3067	3423	3128	3485	358	808	807	857	106674	205111
	Feb	2768	3314	2810	3356	2871	3417	295	892	891	997	99726	198046
	Mar	2783	2796	2819	2832	2870	2883	287	905	895	939	103249	193745
	Apr	5782	7687	5875	7780	5997	7903	365	902	867	859	103894	191146
	May	4260	5876	4327	5943	4423	6039	368	891	896	969	127405	208857
	Jun	1600	2152	1627	2179	1666	2218	297	889	892	1023	123410	206182
Jul	1017	538	1028	549	1044	565	191	770	759	851	125466	184735	
Aug	927	187	934	195	945	205	187	741	723	860	113776	148523	
Sep	491	135	498	142	508	152	108	284	294	370	102347	126504	
<b>Above Normal Water Years</b>													
1975	Oct	933	179	941	187	951	197	296	739	769	883	84776	142369
	Nov	936	249	945	257	956	268	318	698	727	844	65948	114882
	Dec	315	280	323	288	335	300	100	113	126	184	51661	105234
	Jan	522	513	533	524	548	539	0	153	191	319	52458	102449
	Feb	1189	1259	1209	1279	1236	1306	96	185	285	684	54813	100287
	Mar	2078	2094	2108	2124	2150	2166	248	442	623	994	47525	104161
	Apr	1861	1846	1888	1872	1926	1910	88	449	604	1009	42794	89851
	May	1926	4946	1987	5007	2075	5095	0	97	410	1017	69347	127827
	Jun	1218	3180	1257	3220	1316	3278	62	625	733	902	125173	195278
Jul	664	647	676	659	694	677	207	397	451	563	132331	203206	
Aug	682	192	689	199	699	209	229	471	517	603	118282	190887	
Sep	920	126	926	133	935	142	248	712	732	846	103004	168407	
1978	Oct	58	29	63	34	70	42	0	28	29	1	37911	76379
	Nov	142	133	148	140	157	149	0	47	51	52	37961	73952
	Dec	672	1275	691	1295	719	1322	0	55	120	261	41313	75686
	Jan	2301	2686	2338	2723	2388	2773	209	397	600	925	53150	96765
	Feb	1997	1651	2021	1675	2055	1709	255	782	895	1064	46536	89403
	Mar	2671	3269	2712	3311	2773	3371	259	621	855	1069	45344	86241
	Apr	1998	3069	2037	3107	2094	3165	0	211	426	1037	65262	103315
	May	1726	3785	1773	3832	1842	3901	107	707	854	1068	101193	132837
	Jun	685	2372	716	2403	761	2448	187	346	384	531	128949	172679
Jul	612	618	623	630	640	647	246	438	453	564	131648	190880	
Aug	789	120	795	126	803	135	243	670	672	799	115596	171538	
Sep	518	492	525	489	535	499	170	363	397	475	100982	150946	
1993	Oct	152	107	158	113	166	122	0	46	48	0	32713	58935
	Nov	207	148	213	154	223	164	0	101	105	414	33217	54857
	Dec	569	596	580	608	597	624	0	141	179	414	34835	51748
	Jan	1759	2335	1789	2365	1832	2408	0	128	261	414	40587	51448
	Feb	1710	1887	1737	1914	1774	1951	176	452	577	414	44239	60564
	Mar	3025	4384	3078	4437	3152	4511	285	608	914	414	48500	64123
	Apr	2236	4127	2281	4172	2342	4234	240	677	881	414	65020	96993
	May	1299	4651	1351	4703	1427	4779	204	498	609	414	103426	138887
	Jun	1292	2521	1323	2552	1370	2598	356	788	832	414	130970	192183
Jul	1028	640	1040	651	1056	668	307	832	834	414	125177	186016	
Aug	1013	193	1020	200	1029	209	312	894	880	414	106561	154268	
Sep	571	117	577	123	585	132	328	457	456	414	85707	125437	
1999	Oct	182	173	189	180	199	189	265	47	49	43	79768	150552
	Nov	745	477	755	487	770	502	143	430	480	596	64450	150233
	Dec	1090	865	1105	900	1126	921	0	585	633	812	68523	132468
	Jan	1755	1960	1782	1987	1821	2028	0	390	544	823	75794	107697
	Feb	3310	3447	3355	3493	3420	3558	0	512	748	0	1014	107518
	Mar	2398	2342	2431	2374	2476	2420	0	718	820	1033	96632	100984
	Apr	1968	2692	2000	2723	2044	2768	0	624	756	1046	88970	104753
	May	1650	4153	1700	4203	1775	4278	39	281	802	1020	102165	147713
	Jun	1116	2199	1145	2228	1188	2271	186	712	754	940	125773	201267
Jul	857	532	868	543	884	559	209	628	645	769	126116	188871	
Aug	842	170	849	178	860	188	216	649	653	776	112874	164481	
Sep	582	125	588	132	598	141	193	404	404	478	99503	137020	
2000	Oct	474	128	480	134	490	144	264	348	351	389	85381	135365
	Nov	640	221	647	228	658	239	0	450	473	543	75773	112717
	Dec	490	212	498	220	509	231	76	276	296	336	74784	93400
	Jan	1071	1598	1094	1621	1126	1654	113	184	261	491	72177	94406
	Feb	2387	3304	2429	3346	2486	3403	173	291	475	950	79483	114472
	Mar	1999	2238	2030	2269	2073	2312	222	533	682	1049	81068	125281
	Apr	1268	2914	1303	2950	1355	3002	113	346	470	817	96840	147303
	May	1215	2768	1249	2803	1300	2853	210	596	666	900	122690	181865
	Jun	990	901	1005	916	1026	937	221	688	707	863	124937	186277
Jul	703	212	710	220	721	230	158	508	528	617	116568	163094	
Aug	722	120	729	126	738	136	252	556	561	646	101365	140129	
Sep	505	132	512	138	521	148	198	321	335	396	85073	123697	
2005	Oct	529	240	537	248	548	259	114	347	355	433	69831	111007
	Nov	538	265	545	273	556	284	160	364	380	441	61818	100817
	Dec	940	633	951	644	967	660	131	612	624	774	52961	78081
	Jan	905	1161	922	1178	948	1204	33	66	134	500	52823	72649
	Feb	1162	1801	1183	1822	1212	1851	85	249	394	780	53955	79699
	Mar	1917	3385	1953	3421	2004	3472	92	198	433	928	60301	87275
	Apr	1850	3515	1889	3554	1943	3608	198	293	540	1008	71143	112132
	May	2790	6439	2863	6512	2969	6618	179	532	748	985	104726	171600
	Jun	1886	2538	1918	2570	1966	2618	318	923	905	979	133951	207650
Jul	779	656	791	668	809	686	200	546	572	720	129140	198431	
Aug	676	176	683	182	692	192	211	544	557	622	116234	177466	
Sep	585	129	591	135	600	144	196	449	463	514	102572	157724	
<b>Below Normal Water Years</b>													
1979	Oct	228	119	234	125	243	134	24	139	145	176	95455	144408
	Nov	563	138	570	145	579	154	0	464	510	544	94884	123255
	Dec	373	182	380	190	390	199	6	210	225	266	94916	103262
	Jan	1041	907	1057	922	1079	944	236	496	553	730	91615	97353
	Feb	1171	845	1185	859	1206	880	318	553	612	934	76558	90530
	Mar	1336	2050	1366	2080	1407	2121	53	81	217	846		

**Table 3. Middle Fork American River Peaking Reach Powerhouse and Reservoir Storage Mean Monthly Impaired and Unimpaired Flow by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Middle Fork American River - Below Ralston Afterbay (855.857)		Middle Fork American River - Above Otter Creek (860.863)		Middle Fork American River - Above North Fork American River Confluence (866.868)		French Meadows Powerhouse (530.540)	Middle Fork Powerhouse (823.810)	Ralston Powerhouse (810.815)	Oxbow Powerhouse (845.847)	French Meadows Reservoir (530)	Hole Hole Reservoir (540)	
		USGS Gage 11433300												
		Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Impaired	Impaired	Impaired	Impaired	Acre Feet	Impaired Acre Feet
<b>Below Normal Water Years (continued)</b>														
1985	Oct	274	238	281	245	292	256	260	139	142	790	71752	126674	
	Nov	1068	1092	1085	1109	1110	1134	140	526	584	790	63846	127633	
	Dec	968	570	980	582	996	598	153	560	600	790	57150	110865	
	Jan	379	422	389	432	402	446	0	104	127	790	56078	102204	
	Feb	522	717	535	730	554	749	0	34	71	790	58788	101674	
	Mar	685	1026	702	1043	725	1066	0	43	111	790	63924	109521	
	Apr	1205	3111	1245	3151	1302	3209	0	78	233	790	86366	136532	
	May	923	1910	549	1936	587	1973	2	115	162	790	112990	173393	
	Jun	616	558	627	569	643	585	88	389	425	790	122188	178135	
Jul	653	155	660	162	669	171	118	482	503	790	115784	158583		
Aug	700	95	706	100	715	109	193	540	552	790	106806	132391		
Sep	696	130	702	137	711	146	311	559	569	790	88846	114148		
1989	Oct	94	59	100	65	108	73	0	4	3	0	60574	108871	
	Nov	399	629	411	641	429	658	0	84	118	154	62043	107943	
	Dec	347	390	356	399	369	412	90	156	181	241	62703	111235	
	Jan	485	384	494	393	507	407	158	247	283	374	60242	110029	
	Feb	717	778	730	792	750	812	95	291	348	492	54271	107200	
	Mar	2786	5498	2848	5560	2937	5649	115	201	552	1047	74374	138400	
	Apr	1981	3624	2025	3668	2090	3732	129	697	876	1075	114833	187650	
	May	1298	1995	1324	2021	1363	2060	315	880	907	1088	132500	202923	
	Jun	947	992	962	1008	986	1031	235	718	730	884	131703	195667	
Jul	806	188	813	195	823	205	264	660	655	801	119245	174869		
Aug	828	116	834	122	843	131	275	704	695	839	100526	149142		
Sep	495	149	501	155	511	165	175	341	338	423	86790	123230		
2002	Oct	101	66	107	72	114	80	0	0	0	0	43362	36319	
	Nov	479	403	488	412	201	426	38	3	17	42	42459	36208	
	Dec	736	966	752	982	774	1005	76	163	227	77	42185	41616	
	Jan	1001	1341	1020	1360	1047	1387	154	258	377	639	42754	52488	
	Feb	1087	1349	1107	1369	1135	1398	69	263	400	658	39907	52821	
	Mar	1299	2050	1327	2077	1366	2117	56	88	264	757	49746	66234	
	Apr	1134	2962	1171	2999	1225	3053	69	136	302	674	73749	101442	
	May	736	2469	767	2500	813	2546	36	241	309	474	103370	136390	
	Jun	584	968	599	983	622	1006	109	340	389	464	121290	156006	
Jul	491	177	498	184	508	194	163	348	380	416	115763	145300		
Aug	479	112	485	118	494	127	162	354	380	387	104746	131732		
Sep	251	88	256	94	265	102	199	132	142	145	92723	122780		
2003	Oct	234	94	240	100	249	108	178	151	158	153	79383	129089	
	Nov	571	470	580	480	595	494	132	339	392	467	71442	120477	
	Dec	796	1249	814	1267	840	1293	128	208	294	449	67836	117621	
	Jan	1136	2047	1160	2071	1194	2105	145	273	429	718	70461	129658	
	Feb	984	1213	1003	1232	1028	1257	171	232	383	727	76936	139388	
	Mar	1157	1934	1181	1958	1216	1993	183	437	546	845	76358	138231	
	Apr	1604	2599	1637	2632	1683	2678	165	237	416	950	88067	161391	
	May	2085	4209	2137	4261	2211	4336	87	618	799	1079	107139	185378	
	Jun	1018	1661	1040	1683	1073	1716	179	617	644	872	134160	206151	
Jul	648	278	656	286	667	297	209	467	502	595	126211	194273		
Aug	674	162	680	168	690	178	187	535	555	638	112671	175228		
Sep	819	108	825	114	834	124	206	674	674	802	98776	147744		
2004	Oct	268	83	273	88	282	97	210	173	172	168	84549	134017	
	Nov	392	132	398	138	407	147	164	270	281	323	71476	130977	
	Dec	803	923	817	938	838	959	163	308	383	575	64022	128282	
	Jan	837	794	850	807	868	825	201	354	436	651	56633	126822	
	Feb	1302	1623	1325	1646	1356	1677	96	337	472	783	51075	124606	
	Mar	1481	2816	1515	2849	1563	2897	176	317	520	979	57619	134276	
	Apr	812	2387	841	2416	883	2458	100	230	313	540	79342	169580	
	May	683	1611	705	1632	737	1664	0	404	447	551	101446	189658	
	Jun	533	576	544	587	560	603	111	360	371	456	107211	186249	
Jul	576	152	583	159	592	168	121	450	516	451	101997	169879		
Aug	681	94	687	100	696	109	165	485	474	516	90368	147808		
Sep	578	84	584	90	593	99	160	457	460	526	79172	126818		
<b>Dry Water Years</b>														
1981	Oct	443	157	450	165	460	174	339	281	306	343	82010	158752	
	Nov	873	273	883	283	895	294	370	629	637	755	58175	152119	
	Dec	1111	397	1123	409	1137	423	18	800	805	954	46141	123812	
	Jan	610	421	621	432	635	446	0	281	303	423	46840	87190	
	Feb	677	975	694	991	717	1014	11	146	199	341	50218	84024	
	Mar	980	1348	1001	1369	1029	1397	0	114	198	492	56717	88725	
	Apr	832	2037	860	2064	900	2104	16	132	204	456	70539	103113	
	May	345	1373	365	1393	394	1423	2	51	72	143	91722	133149	
	Jun	313	387	323	396	336	409	77	134	150	179	96717	144325	
Jul	247	99	253	104	262	113	33	133	139	156	92484	138987		
Aug	167	61	172	67	180	75	14	86	91	86	90293	133539		
Sep	358	64	363	69	371	77	86	250	281	261	86756	123609		
1990	Oct	426	297	433	305	445	316	213	303	308	367	75206	125103	
	Nov	711	327	719	335	731	346	151	544	561	696	64343	104670	
	Dec	517	270	525	278	536	288	97	366	387	474	56929	90642	
	Jan	295	607	305	618	321	634	0	35	56	142	57984	86003	
	Feb	353	555	364	566	379	581	0	36	61	153	60789	91068	
	Mar	702	1562	723	1583	753	1613	0	4	78	339	67361	102013	
	Apr	412	1897	435	1921	470	1956	0	21	55	163	85980	129687	
	May	277	1160	294	1177	319	1202	0	10	32	103	102435	155160	
	Jun	532	791	545	804	565	823	170	256	291	398	111653	171067	
Jul	856	161	862	168	872	177	311	742	737	875	96155	160335		
Aug	894	82	900	87	908	96	325	799	788	928	75306	130348		
Sep	529	70	535	75	544	84	248	424	426	494	55027	103740		
1991	Oct	559	73	565	78	573	87	213	477	470	552	42690	96155	
	Nov	428	84	434	90	442	99	0	326	334	388	33967	71030	
	Dec	143	74	148	79	157	88	0	58	58	52	33713	60716	
	Jan	85	81	91	87	99	95	0	4	5	0	33510	57700	
	Feb	111	155	117	162	127	171	0	2	3	21	33611	58271	
	Mar	854	1637	877	1660	910	1694	0	17	78	330	41455	73390	
	Apr	862	1947	887	1973	924	2009	0	10	417	0	52100	92560	
	May	821	2270	850	22									

**Table 3. Middle Fork American River Peaking Reach Mean Monthly Impaired and Unimpaired Flow, Powerhouse Flow, and Reservoir Storage by Water Year Type and Water Year at Gaging Stations and Modeled Hydrologic Nodes Under Impaired and Unimpaired Conditions (continued).**

Water Year	Month	Middle Fork American River - Below Ralston Afterbay (855.857)		Middle Fork American River - Above Otter Creek (860.863)		Middle Fork American River - Above North Fork American River Confluence (866.868)		French Meadows Powerhouse (530.540)	Middle Fork Powerhouse (823.810)	Ralston Powerhouse (810.815)	Oxbow Powerhouse (845.847)	French Meadows Reservoir (530)	Hole Hole Reservoir (540)
		USGS Gage 11433300 Impaired	USGS Gage 11433300 Unimpaired	Impaired	Unimpaired	Impaired	Unimpaired	Impaired	Impaired	Impaired	Impaired	Impaired	Acres Feet
<b>Dry Water Years (continued)</b>													
2007	Oct	228	164	235	170	244	179	117	11	21	0	92664	121023
	Nov	677	362	686	371	698	383	201	473	492	0	82366	116191
	Dec	828	568	838	578	853	592	142	506	540	0	70970	100436
	Jan	666	568	676	578	690	592	66	317	371	0	69397	87465
	Feb	1043	1456	1064	1477	1090	1503	90	212	282	0	71335	86136
	Mar	1023	1860	1047	1884	1079	1916	80	147	269	0	79336	97263
	Apr	596	1633	616	1654	647	1684	49	85	144	0	92831	123602
	May	538	1352	556	1371	583	1397	41	167	214	0	107406	147330
	Jun	446	370	454	378	466	390	85	245	263	0	108423	151178
Jul	624	121	630	126	639	135	173	470	484	0	99763	136022	
Aug	541	80	546	85	554	93	199	415	432	0	86220	118393	
Sep	531	83	536	89	544	97	139	397	413	0	73111	101215	
<b>Critical Water Years</b>													
1976	Oct	1011	587	1024	600	1041	617	310	689	717	868	86076	137049
	Nov	241	556	252	567	268	583	74	0	10	54	144455	144455
	Dec	196	327	205	336	217	348	0	0	13	75	78784	149907
	Jan	428	267	436	275	448	287	88	238	261	328	79466	150812
	Feb	1159	388	1170	398	1183	412	366	816	869	1025	64699	129335
	Mar	1251	809	1266	824	1286	844	312	791	823	993	45736	109588
	Apr	382	925	397	940	419	962	0	37	66	163	44491	104787
	May	256	964	271	979	294	1002	24	65	82	137	55595	122674
	Jun	189	206	196	213	206	223	50	87	95	115	57974	128415
Jul	123	73	129	79	137	87	61	44	45	30	54452	127676	
Aug	132	118	138	124	147	133	17	72	74	56	51733	127285	
Sep	492	98	498	104	507	112	151	405	404	440	45357	118334	
1977	Oct	200	94	206	100	214	108	0	123	126	121	41165	103910
	Nov	195	102	201	108	209	117	20	126	135	103	40220	97627
	Dec	132	65	138	71	146	79	0	71	74	55	39741	90648
	Jan	175	115	181	121	190	130	0	77	85	82	39940	86439
	Feb	154	167	160	173	170	183	0	52	61	61	40275	83762
	Mar	240	225	247	233	258	243	0	100	115	140	41463	79831
	Apr	110	496	120	506	135	521	0	20	29	25	44304	83750
	May	120	649	132	661	149	679	0	6	15	24	49377	93252
	Jun	124	363	132	371	146	385	0	52	56	45	55741	103008
Jul	178	47	183	52	191	60	42	152	163	115	56070	100534	
Aug	301	23	306	28	314	35	185	291	311	277	46244	90997	
Sep	210	31	215	36	223	44	30	189	199	155	38659	83924	
1987	Oct	291	228	298	235	308	245	283	162	173	162	72445	128619
	Nov	471	141	477	147	486	156	44	367	377	406	61890	123757
	Dec	246	137	253	144	262	153	0	135	133	157	61432	107439
	Jan	230	204	238	211	248	221	0	77	80	132	61858	103203
	Feb	509	827	523	840	542	859	0	64	111	239	64446	106121
	Mar	588	1206	605	1223	629	1247	0	30	87	283	71758	113674
	Apr	342	1676	364	1698	397	1731	0	16	45	125	85690	132903
	May	218	915	233	930	254	951	0	38	51	107	103310	156832
	Jun	310	195	317	202	327	211	50	200	209	251	106867	157853
Jul	464	91	470	97	479	106	206	369	389	440	97558	146339	
Aug	535	65	541	71	549	79	321	466	479	529	80142	133271	
Sep	460	52	465	58	473	66	167	390	404	437	63860	119213	
1988	Oct	168	72	173	77	182	85	0	74	78	85	58874	107074
	Nov	103	109	109	115	118	123	0	12	11	5	58593	104690
	Dec	332	555	343	566	359	582	0	60	84	153	61087	105626
	Jan	603	766	616	779	635	797	0	125	177	349	64168	107190
	Feb	381	600	392	611	409	628	0	65	105	174	67490	105421
	Mar	325	1006	339	1020	360	1041	0	1	35	96	75632	115726
	Apr	287	1061	303	1077	326	1101	0	4	29	90	86930	131117
	May	249	857	263	871	284	892	7	20	39	87	98432	146977
	Jun	442	375	451	384	464	398	180	293	325	378	98643	153670
Jul	518	95	524	101	532	110	219	423	448	492	88368	142758	
Aug	434	54	440	60	448	68	260	363	383	393	69981	133145	
Sep	371	47	376	52	384	60	17	297	319	327	61207	119953	
1992	Oct	337	154	343	160	353	169	82	212	221	414	30152	66929
	Nov	466	222	473	230	484	240	0	326	348	414	29417	48687
	Dec	158	174	165	181	175	191	0	30	34	414	30045	41135
	Jan	129	183	135	190	145	200	0	0	2	414	30626	40984
	Feb	642	1290	660	1308	685	1334	0	7	59	414	33034	45566
	Mar	550	1326	568	1345	594	1371	0	0	50	414	44758	62597
	Apr	339	1541	360	1561	390	1592	0	0	28	414	61447	85800
	May	265	526	276	537	292	553	0	102	117	414	73548	103106
	Jun	426	167	432	174	442	184	15	296	319	414	74947	90413
Jul	454	103	460	110	469	119	333	337	361	414	63139	83258	
Aug	418	56	424	61	432	70	272	322	345	414	41106	80739	
Sep	304	53	310	58	318	67	0	214	228	414	33483	67153	
1994	Oct	556	148	562	154	572	164	314	445	455	444	64016	127094
	Nov	409	141	416	147	425	156	0	282	298	312	54650	106880
	Dec	437	232	444	240	455	251	0	247	268	315	55142	92032
	Jan	323	236	330	244	341	254	0	147	160	209	55848	82639
	Feb	360	467	370	477	384	491	0	32	52	232	56936	77893
	Mar	483	1166	500	1182	523	1206	0	3	50	261	62497	88371
	Apr	299	1302	317	1321	344	1348	0	0	28	201	75250	107237
	May	293	1179	311	1196	336	1221	0	58	80	160	90803	131148
	Jun	614	294	622	302	634	313	175	480	496	502	93307	127627
Jul	514	98	520	104	528	112	264	423	441	415	78613	113448	
Aug	507	56	513	61	521	69	335	425	452	413	58552	104839	
Sep	198	61	203	66	211	74	19	101	108	105	46043	97097	