

APPENDIX P

EXCEEDANCE/ELEVATED LEVELS SUMMARY

Appendix P: Exceedance/elevated levels Summary

Location	Site	Temp Counts: Bay-Delta Authority targets	Temp (°C)	Field SC Counts	Field SC (umhos)		
			Goal		Basin Plan	Basin Plan (ref)	Goal
			San Joaquin River at Vernalis		SJR at Airport Way , Vernalis; Old river at Tracy Road Bridge	MUN	Irrig. Water Supply
		Bay-Delta Authority targets (Apr- Jun, Sep- Nov 20°C)			Basin Plan (700 Apr-Aug) (1000 Sep- Mar)	California Secondary MCL (Short Term 2200 umhos/cm)	Water quality for Agriculture (Ayers and Westcott) (700umhos/c m)
Main Stem							
SJR @Sack Dam	541MAD007	33	15	65	1	0	10
SJR @ Lander	541MER522	132	64	265	189	2	215
SJR @ Fremont Ford	541MER538	128	55	256	232	11	244
SJR @ Hills Ferry	541STC512	44	25	83	77	15	80
SJR @ Crows	535STC504	130	51	261	194	0	219
SJR @ Patterson	541STC507	132	63	262	203	0	224
SJR @ Maze	541STC510	129	60	260	122	0	191
SJR @ Airport Way/Vernalis	541SJC501	131	55	265	56	0	136
Total Main Stem Count		859	388	1717	1074	28	1319
Southeast Basin							
Deep Slough Green House Rd	535MER577	26	12	54	6	0	8
Santa Rita Slough at Highway 152	541MER015	1	1	5	0	0	3
Bear Creek Bert Crane Rd	535MER007	31	14	60	0	0	0
Total Southeast Basin Count		58	27	119	6	0	11
Grassland Basin							
Salt Slough @Lander/Hwy 165	541MER531	131	47	262	256	NA	262
Mud Slough (n) (upstream) @ SLD	541MER536	132	66	259	231	NA	257
Discharge from SLD	541MER535	134	68	264	264	NA	264
Mud Slough (n) (downstream) @ SLD	541MER542	134	65	264	264	NA	264
Total Grassland Basin Count		531	246	1049	1015	NA	1047
Eastside Basin							
Tuner Slough at 4th Avenue	535MER576	28	14	51	0	0	0
Merced River Hatfield Park (River Rd)	541MER546	26	9	54	0	0	0
Harding Drain discharge @ SJR (11D5)	535STC501	37	19	74	26	0	37
French Camp Slough @ Airport	531SJC504	23	6	48	0	0	2
Lone Tree Creek @ Austin Rd	531SJC503	23	6	49	0	0	0
Tuolumne River @ Shiloh	535STC513	43	22	84	0	0	0
Stanislaus River @Caswell	535STC514	23	3	49	0	0	0
Total Eastside Basin Count		203	79	409	26	0	39
West Side Basin							
Orestimba Creek @ River Rd.	541STC019	102	26	197	62	0	114
Solado Creek @ Hwy 33	541STC515	36	15	70	37	2	49
Del Puerto Creek @ Vineyard	541STC516	38	18	68	36	0	45
Grays on Drain	541STC030	30	14	56	27	0	36
Ingram Creek @River Rd.	541STC040	38	8	72	55	0	61
Hospital Creek @River Rd.	541STC042	30	7	53	22	0	25
Total West Side Basin Count		274	88	516	239	2	330
Northeast Basin							
Cosumnes River @ Twin Cities Rd.	531SAC001	19	5	38	0	0	0
Mokelumne River @New Hope Rd.	544SAC002	30	3	58	0	NA	0
Pixley Slough @ Davis Rd	531SJC507	31	5	54	0	0	0
Bear Creek @ Thornton Road (J8)	544SJC508	13	3	26	0	0	0
Bear Creek @Lower Sacramento Rd.	531SJC515	20	6	36	0	0	0
Total Northeast Basin Count		113	22	212	0	0	0
Delta Basin							
New Jerusalem Drain	544SJC001	28	1	52	52	48	52
Tom Payne Slough @Paradise Rd.	544SJC505	30	12	56	56	20	56
Old River @ Tracy Blvd	544SJC506	31	14	60	28	0	46
Mountain House Creek	544SJC509	9	3	20	7	5	9
Total Delta Basin Count		98	30	188	143	73	163
Total Program Count		2136	880	4210	2503	103	2909

NA= Not Applicable/Not a designated Beneficial Use

*Note for the Field SC Basin Plan objective for SJR at Airport Way the thirty day running average defined in the basin plan was not applied; looking only at individual grab samples.

Appendix P: Exceedance/elevated levels Summary continued...

Location	pH Counts	pH	Dissolved Oxygen Counts	Dissolved Oxygen (mg/L)		Turbidity Counts	Turbidity (NTU)
		Basin Plan		Basin Plan	Basin Plan		Basin Plan
		In fresh water w/ designated COLD or WARM beneficial uses		All other ² Delta waters excluding bodies of water constructed for special purposes and from which fish have been excluded or where the fishery is not important as a beneficial use	Cold/Spawning: Cosumnes, Mokelumne, Calaveras, Stanislaus from Goodwin Dam to SJR, Tuolumne from New Don Pedro Dam to SJR, Friant Dam to Mendota Pool, McSWAIN reservoir to SJR, Spawning3: Mendota dam to Vernalis, Mud Slough North, Salt Slough.		Delta waters ⁶ : except for periods of storm runoff :Other Delta waters
	Basin Plan (<6.5, >8.5)		Basin Plan (5.0mg/L)	Basin Plan (7.0mg/L)		Basin Plan (150 NTU)	
Main Stem							
SJR @Sack Dam	65	4	51	NA	7	NA	NA
SJR @ Lander	261	24	217	NA	26	NA	NA
SJR @ Fremont Ford	256	2	214	NA	30	NA	NA
SJR @ Hills Ferry	82	0	67	NA	6	NA	NA
SJR @ Crows	259	0	216	NA	9	NA	NA
SJR @ Patterson	260	10	215	NA	1	NA	NA
SJR @ Maze	258	34	213	NA	3	NA	NA
SJR @ Airport Way/Vernalis	263	42	216	NA	1	NA	NA
	1704	116	1409	NA	83	NA	NA
Southeast Basin							
Deep Slough Green House Rd	54	8	43	NA	10	NA	NA
Santa Rita Slough at Highway 152	5	0	1	NA	1	NA	NA
Bear Creek Bert Crane Rd	60	4	49	NA	2	NA	NA
	119	12	93	NA	13	0	NA
Grassland Basin							
Salt Slough @Lander/Hwy 165	260	2	216	NA	60	NA	NA
Mud Slough (n) (upstream) @ SLD	257	12	210	NA	30	NA	NA
Discharge from SLD	261	43	218	NA	3	NA	NA
Mud Slough (n) (downstream) @ SLD	261	17	218	NA	16	NA	NA
	1039	74	1005	NA	109	0	NA
Eastside Basin							
Tumer Slough at 4th Avenue	51	5	47	NA	19	NA	NA
Merced River Hatfield Park (River Rd)	54	5	46	NA	1	NA	NA
Harding Drain discharge @ SJR (TID5)	74	2	62	NA	2	NA	NA
French Camp Slough @ Airport	47	2	38	NA	9	NA	NA
Lone Tree Creek @ Austin Rd	49	6	37	NA	7	NA	NA
Tuolumne River @ Shiloh	84	4	69	NA	2	NA	NA
Stanislaus River @Caswell	49	3	40	NA	0	NA	NA
	408	27	339	NA	40	0	NA
West Side Basin							
Orestimba Creek @ River Rd.	197	5	176	NA	5	NA	NA
Solado Creek @ Hwy 33	70	10	61	NA	1	NA	NA
Del Puerto Creek @Vineyard	68	10	56	NA	8	NA	NA
Grays on Drain	56	6	47	NA	2	NA	NA
Ingram Creek @River Rd.	72	2	63	NA	1	NA	NA
Hospital Creek @River Rd.	53	2	47	NA	1	NA	NA
	516	35	450	NA	18	0	NA
Northeast Basin							
Cosumnes River @ Iwin Cities Rd.	38	7	27	NA	0	NA	NA
Mokelumne River @New Hope Rd.	57	5	48	NA	6	18	0
Pixley Slough @ Davis Rd	53	2	47	NA	17	NA	NA
Bear Creek @ Horton Road (J8)	25	2	16	2	NA	2	0
Bear Creek @Lower Sacramento Rd.	36	0	36	NA	21	NA	NA
	209	16	174	2	44	20	0
Delta Basin							
New Jerusalem Drain	51	0	42	0	NA	13	0
Tom Payne Slough @Paradise Rd.	55	0	46	10	NA	17	0
Old River @ Tracy Blvd	59	2	50	1	NA	20	0
Mountain House Creek	20	1	12	1	NA	6	1
	185	3	150	12	NA	56	1
	4180	283	3620	14	307	76	1

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location		Site	TOC Sample Counts	TOC (mg/L)	E. coli Sample Counts	E. coli MPN
				Target		Goal
				Source water quality for the Delta		Rec. Use
				Bay-Delta Authority (3.0mg/L)		USEPA Guideline_Designated Beach Area (235 MPN)
Main Stem						
SJR @Sack Dam	541MAD007	33	17	30	1	
SJR @ Lander	541MER522	162	154	46	7	
SJR @ Fremont Ford	541MER538	160	154	46	6	
SJR @ Hills Ferry	541STC512	30	29	29	10	
SJR @ Crows	535STC504	162	144	46	8	
SJR @ Patterson	541STC507	161	150	46	6	
SJR @ Maze	541STC510	157	116	46	6	
SJR @ Airport Way/Vernalis	541SJC501	163	110	46	7	
Total Main Stem Count			1028	874	335	51
Southeast Basin						
Deep Slough Green House Rd	535MER577	31	29	25	12	
Santa Rita Slough at Highway 152	541MER015	5	4	NA	0	
Bear Creek Bert Crane Rd	535MER007	31	24	30	24	
Total Southeast Basin Count			67	57	55	36
Grassland Basin						
Salt Slough @Lander/Hwy 165	541MER531	38	35	30	5	
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	38	35	29	10	
Discharge from SLD	541MER535	33	30	21	1	
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	39	37	28	3	
Total Grassland Basin Count			148	137	108	19
Eastside Basin						
Turner Slough at 4th Avenue	535MER576	29	28	28	23	
Merced River Hatfield Park (River Road)	541MER546	26	7	26	7	
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	34	31	40	33	
French Camp Slough @ Airport	531SJC504	28	25	22	10	
Lone Tree Creek @ Austin Rd	531SJC503	23	22	21	16	
Tuolumne River @ Shiloh	535STC513	34	6	46	7	
Stanislaus River @Caswell	535STC514	23	7	22	2	
Total Eastside Basin Count			197	126	205	98
West Side Basin						
Orestimba Creek @ River Rd.	541STC019	33	22	39	27	
Solado Creek @ Hwy 33	541STC515	36	30	40	23	
Del Puerto Creek @Vineyard	541STC516	33	27	38	30	
Grays on Drain	541STC030	27	25	31	17	
Ingram Creek @River Rd.	541STC040	25	18	40	18	
Hospital Creek @River Rd.	541STC042	18	17	33	19	
Total West Side Basin Count			172	139	221	134
Northeast Basin						
Cosumnes River @ Twin Cities Rd.	531SAC001	21	8	16	2	
Mokelumne River @New Hope Rd.	544SAC002	30	7	28	2	
Pixley Slough @ Davis Rd	531SJC507	24	11	28	15	
Bear Creek @ Thornton Road (J8)	544SJC508	15	12	2	0	
Bear Creek @Lower Sacramento Rd.	531SJC515	14	13	28	6	
Total Northeast Basin Count			104	51	102	25
Delta Basin						
New Jerusalem Drain	544SJC001	28	7	20	0	
Tom Payne Slough @Paradise Rd.	544SJC505	30	25	26	4	
Old River @ Tracy Blvd	544SJC506	31	25	30	2	
Mountain House Creek	544SJC509	14	12	2	2	
Total Delta Basin Count			103	69	78	8
Total Program Count			1819	1453	1104	371

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Nitrate Sample Counts	Nitrate (mg/L)	Nitrate-N Sample Counts	Nitrate-N (mg/L)	Ammonia-N Sample Counts	Ammonia-N (mg/L)
			Basin Plan (ref) Mun		Basin Plan (ref) Mun		Goal Aquatic Life USE PA National Ambient W Q Criteria/1 hour average (calc)
			California Primary MCL (45mg/L)		California Primary MCL (10mg/L)		
Main Stem							
SJR @Sack Dam	541MAD007	14	0	NA	0	NA	0
SJR @ Lander	541MER522	22	0	NA	0	NA	0
SJR @ Fremont Ford	541MER538	37	0	24	0	17	0
SJR @ Hills Ferry	541STC512	11	0	NA	0	NA	0
SJR @ Crows	535STC504	39	0	27	0	17	0
SJR @ Patterson	541STC507	20	0	NA	0	1	0
SJR @ Maze	541STC510	19	0	NA	0	1	0
SJR @ Airport Way/Vernalis	541SJC501	23	0	NA	0	1	0
Total Main Stem Count		185	0	51	0	37	0
Southeast Basin							
Deep Slough Green House Rd	535MER577	11	0	NA	0	NA	0
Santa Rita Slough at Highway 152	541MER015	4	0	NA	0	NA	0
Bear Creek Bert Crane Rd	535MER007	11	0	NA	0	NA	0
Total Southeast Basin Count		26	0	0	0	0	0
Grassland Basin							
Salt Slough @Lander/Hwy 165	541MER531	14	13	NA	0	NA	0
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	30	0	25	0	18	0
Discharge from SLD	541MER535	19	14	27	18	19	0
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	19	8	27	3	21	0
Total Grassland Basin Count		82	35	79	21	58	0
Eastside Basin							
Tumer Slough at 4th Avenue	535MER576	9	0	NA	0	NA	0
Merced River Hatfield Park (River Road)	541MER546	10	NA	NA	NA	NA	0
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	14	0	NA	0	NA	0
French Camp Slough @ Airport	531SJC504	11	0	31	0	NA	0
Lone Tree Creek @ Austin Rd	531SJC503	14	0	NA	0	NA	0
Tuolumne River @ Shioh	535STC513	14	0	NA	0	NA	0
Stanislaus River @Caswell	535STC514	11	0	NA	0	NA	0
Total Eastside Basin Count		83	0	31	0	0	0
West Side Basin							
Orestimba Creek @ River Rd.	541STC019	10	0	NA	0	1	0
Solado Creek @ Hwy 33	541STC515	12	0	NA	0	NA	0
Del Puerto Creek @Vineyard	541STC516	11	1	NA	0	NA	0
Grays on Drain	541STC030	11	0	NA	0	NA	0
Ingram Creek @River Rd.	541STC040	12	4	NA	0	NA	0
Hospital Creek @River Rd.	541STC042	8	0	NA	0	NA	0
Total West Side Basin Count		64	5	0	0	1	0
Northeast Basin							
Cosumnes River @ Twin Cities Rd.	531SAC001	9	0	NA	0	NA	0
Mokelumne River @New Hope Rd.	544SAC002	12	NA	NA	NA	NA	0
Pixley Slough @ Davis Rd	531SJC507	9	0	NA	0	NA	0
Bear Creek @ Thornton Road (J8)	544SJC508	12	0	NA	0	NA	0
Bear Creek @Lower Sacramento Rd.	531SJC515	NA	0	NA	0	NA	0
Total Northeast Basin Count		42	0	0	0	0	0
Delta Basin							
New Jerusalem Drain	544SJC001	10	10	NA	0	NA	0
Tom Payne Slough @Paradise Rd.	544SJC505	12	0	NA	0	NA	0
Old River @Tracy Blvd	544SJC506	12	0	NA	0	NA	0
Mountain House Creek	544SJC509	10	0	NA	0	NA	0
Total Delta Basin Count		44	10	0	0	0	0
Total Program Count		526	50	161	21	96	0

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Total Arsenic Sample Count	Total Arsenic (ug/L)			Total Cadmium Sample Count	Total Cadmium (ug/L)		
			Basin Plan (ref)	Goal	Goal		Basin Plan (ref)	Goal	Goal
			MUN	Irrig. Water Supply	Drinking Water		Mun	Aquatic Life	Irrig. Water Supply
			Basin Plan (ref) (MUN) Cal Primary MCL (50ug/L)	Water Quality for Agriculture (Ayers & Westcot) (100ug/L)	USEPA Primary MCL (10ug/L)		Basin Plan (ref) (MUN) Cal Primary MCL (5ug/L)	California Toxics rule (USEPA) (calc)	Water Quality for Agriculture (Ayers & Westcot) (10ug/L)
Main Stem									
SJR @Sack Dam	541MAD007	18	0	0	0	18	0	0	0
SJR @ Lander	541MER522	21	0	0	6	21	0	0	0
SJR @ Fremont Ford	541MER538	22	0	0	0	22	0	0	0
SJR @ Hills Ferry	541STC512	16	0	0	0	16	0	0	0
SJR @ Crows	535STC504	24	0	0	0	23	0	0	0
SJR @ Patterson	541STC507	22	0	0	0	21	0	0	0
SJR @ Maze	541STC510	21	0	0	0	20	0	0	0
SJR @ Airport Way/Vernalis	541SJC501	22	0	0	0	21	0	0	0
Total Main Stem Count		166	0	0	6	162	0	0	0
Southeast Basin									
Deep Slough Green House Rd	535MER577	17	0	0	4	17	0	0	0
Santa Rita Slough at Highway 152	541MER015	2	0	0	0	2	0	0	0
Bear Creek Bert Crane Rd	535MER007	18	0	0	0	18	0	0	0
Total Southeast Basin Count		37	0	0	4	37	0	0	0
Grassland Basin									
Salt Slough @Lander/Hwy 165	541MER531	21	NA	0	0	20	NA	0	0
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	22	NA	0	0	21	NA	0	0
Discharge from SLD	541MER535	22	NA	0	0	21	NA	0	0
Drain	541MER542	22	NA	0	0	21	NA	0	0
Total Grassland Basin Count		87	NA	0	0	83	NA	0	0
Eastside Basin									
Turner Slough at 4th Avenue	535MER576	17	0	0	0	17	0	0	0
Merced River Hatfield Park (River Road)	541MER546	13	0	0	0	13	0	0	0
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	18	0	0	0	18	0	0	0
French Camp Slough @ Airport	531SJC504	14	0	0	0	14	0	0	0
Lone Tree Creek @ Austin Rd	531SJC503	12	0	0	0	12	0	0	0
Tudlumne River @ Shloh	535STC513	18	0	0	0	18	0	0	0
Stanislaus River @Caswell	535STC514	13	0	0	0	13	0	0	0
Total Eastside Basin Count		105	0	0	0	105	0	0	0
West Side Basin									
Orestimba Creek @ River Rd.	541STC019	18	0	0	0	18	0	0	0
Solado Creek @ Hwy 33	541STC515	17	0	0	0	17	0	0	0
Del Puerto Creek @Vineyard	541STC516	13	0	0	0	13	0	0	0
Grays on Drain	541STC030	15	0	0	3	15	0	0	0
Ingram Creek @River Rd.	541STC040	17	0	0	0	17	0	0	0
Hospital Creek @River Rd.	541STC042	11	0	0	0	11	0	0	0
Total West Side Basin Count		91	0	0	3	91	0	0	0
Northeast Basin									
Cosumnes River @ Twin Cities Rd.	531SAC001	12	0	0	0	12	0	0	0
Mokelumne River @New Hope Rd.	544SAC002	18	NA	0	NA	18	NA	0	0
Pixley Slough @ Davis Rd	531SJC507	17	0	0	0	17	0	0	0
Bear Creek @ Thornton Road (J8)	544SJC508	11	0	0	0	11	0	0	0
Bear Creek @Lower Sacramento Rd.	531SJC515	17	0	0	0	17	0	0	0
Total Northeast Basin Count		75	0	0	0	75	0	0	0
Delta Basin									
New Jerusalem Drain	544SJC001	18	0	0	0	18	0	0	0
Tom Payne Slough @Paradise Rd.	544SJC505	18	0	0	0	18	0	0	0
Old River @Tracy Blvd	544SJC506	18	0	0	0	18	0	0	0
Mountain House Creek	544SJC509	9	0	0	0	9	0	0	0
Total Delta Basin Count		63	0	0	0	63	0	0	0
Total Program Count		624	0	0	13	616	0	0	0

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Total Chromium Sample Count	Total Chromium (ug/L)	Total Copper Sample Count	Total Copper (ug/L)						
					Basin Plan (ref) Mun	Basin Plan (ref) Goal	Goal	Goal			
									Basin Plan (ref) Goal	Goal	Goal
		Basin Plan (ref) (MUN) Cal Primary MCL (50ug/L)	Basin Plan (ref) (MUN) Cal Primary MCL (1000ug/L)	California Toxics rule (USEPA) (calc)	Water Quality for Agriculture (Ayers & Westcot) (200ug/L)	California Toxics Rule (USEPA) for sources of drinking water (1300ug/L)					
Main Stem											
SJR @Sack Dam	541MAD007	26	0	26	0	0	0	0			
SJR @ Lander	541MER522	31	0	31	0	0	0	0			
SJR @ Fremont Ford	541MER538	30	0	29	0	0	0	0			
SJR @ Hills Ferry	541STC512	24	0	23	0	0	0	0			
SJR @ Crows	535STC504	32	0	30	0	0	0	0			
SJR @ Patterson	541STC507	30	0	28	0	0	0	0			
SJR @ Maze	541STC510	29	0	27	0	0	0	0			
SJR @ Airport Way/Vernalis	541SJC501	32	0	30	0	0	0	0			
Total Main Stem Count		234	0	224	0	0	0	0			
Southeast Basin											
Deep Slough Green House Rd	535MER577	26	0	26	0	0	0	0			
Santa Rita Slough at Highway 152	541MER015	5	0	5	0	0	0	0			
Bear Creek Bert Crane Rd	535MER007	27	0	27	0	4	0	0			
Total Southeast Basin Count		58	0	58	0	4	0	0			
Grassland Basin											
Salt Slough @Lander/Hwy 165	541MER531	20	NA	29	NA	0	0	0			
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	30	NA	28	NA	0	0	0			
Discharge from SLD	541MER535	29	NA	28	NA	0	0	0			
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	30	NA	28	NA	0	0	0			
Total Grassland Basin Count		109	NA	113	NA	0	0	0			
Eastside Basin											
Turner Slough at 4th Avenue	535MER576	24	0	24	0	1	0	0			
Merced River Hatfield Park (River Road)	541MER546	21	0	18	0	0	0	0			
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	28	0	27	0	1	0	0			
French Camp Slough @ Airport	531SJC504	22	0	22	0	7	0	0			
Lone Tree Creek @ Austin Rd	531SJC503	22	0	21	0	9	0	0			
Tuolumne River @ Shiloh	535STC513	28	0	26	0	1	0	0			
Stanislaus River @Caswell	535STC514	20	0	18	0	0	0	0			
Total Eastside Basin Count		165	0	156	0	19	0	0			
West Side Basin											
Orestimba Creek @ River Rd.	541STC019	27	0	25	0	0	0	0			
Solado Creek @ Hwy 33	541STC515	25	0	23	0	0	0	0			
Del Puerto Creek @Vineyard	541STC516	20	0	18	0	0	0	0			
Grays on Drain	541STC030	22	4	20	0	0	0	0			
Ingram Creek @River Rd.	541STC040	25	3	23	0	2	0	0			
Hospital Creek @River Rd.	541STC042	17	3	15	0	1	0	0			
Total West Side Basin Count		136	10	124	0	3	0	0			
Northeast Basin											
Cosumnes River @ Twin Cities Rd.	531SAC001	20	0	20	0	0	0	0			
Mokelumne River @New Hope Rd.	544SAC002	27	NA	27	NA	1	0	NA			
Pikley Slough @ Davis Rd	531SJC507	23	0	23	0	11	0	0			
Bear Creek @ Thornton Road (J8)	544SJC508	20	0	20	0	5	0	0			
Bear Creek @Lower Sacramento Rd.	531SJC515	25	0	23	0	1	0	0			
Total Northeast Basin Count		115	0	113	0	18	0	0			
Delta Basin											
New Jerusalem Drain	544SJC001	27	0	27	0	0	0	0			
Tom Payne Slough @Paradise Rd.	544SJC505	27	0	27	0	0	0	0			
Old River @Tracy Blvd	544SJC506	27	0	27	0	0	0	0			
Mountain House Creek	544SJC509	16	0	16	0	0	0	0			
Total Delta Basin Count		97	0	97	0	0	0	0			
Total Program Count		914	10	885	0	44	0	0			

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Total Lead Sample Count	Total Lead (ug/L)			Total Nickel Sample Count	Total Nickel (ug/L)			
			Basin Plan (ref)	Goal	Goal		Basin Plan (ref)	Goal	Goal	Goal
			Mun	Aquatic Life	Irrig. Water Supply		Mun	Aquatic Life	Irrig. Water Supply	Drinking Water
			Basin Plan (ref) (MUN) Cal Primary MCL (15ug/L)	California Toxics rule (USEPA) (calc)	Water Quality for Agriculture (Ayers & Westcot) (500ug/L)		Basin Plan (ref) (MUN) Cal Primary MCL (100ug/L)	California Toxics rule (USEPA) (calc)	Water Quality for Agriculture (Ayers & Westcot) (200ug/L)	California Toxics Rule (USEPA) for sources of drinking water (610 ug/L)
Main Stem										
SJR @Sack Dam	541MAD007	26	0	0	0	25	0	0	0	0
SJR @ Lander	541MER522	31	0	0	0	31	0	0	0	0
SJR @ Fremont Ford	541MER538	30	0	0	0	30	0	0	0	0
SJR @ Hills Ferry	541STC512	25	0	0	0	24	0	0	0	0
SJR @ Crows	535STC504	32	0	0	0	33	0	0	0	0
SJR @ Patterson	541STC507	30	0	0	0	31	0	0	0	0
SJR @ Maze	541STC510	29	0	0	0	30	0	0	0	0
SJR @ Airport Way/Vernalis	541SJ0501	32	0	0	0	33	0	0	0	0
Total Main Stem Count		235								
Southeast Basin										
Deep Slough Green House Rd	535MER577	26	0	0	0	25	0	0	0	0
Santa Rita Slough at Highway 152	541MER015	5	0	0	0	5	0	0	0	0
Bear Creek Bert Crane Rd	535MER007	27	0	0	0	26	0	0	0	0
Total Southeast Basin Count		58	0	0	0	56	0	0	0	0
Grassland Basin										
Salt Slough @Lander/Hwy 165	541MER531	30	NA	0	0	29	NA	0	0	0
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	30	NA	0	0	31	NA	0	0	0
Discharge from SLD	541MER535	29	NA	0	0	30	NA	0	0	0
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	30	NA	0	0	31	NA	0	0	0
Total Grassland Basin Count		119	NA	0	0	121	NA	0	0	0
Eastside Basin										
Turner Slough at 4th Avenue	535MER576	24	0	0	0	23	0	0	0	0
Merced River Hatfield Park (River Road)	541MER546	21	0	0	0	20	0	0	0	0
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	29	0	0	0	28	0	0	0	0
French Camp Slough @ Airport	531SJ0504	22	0	0	0	22	0	0	0	0
Lone Tree Creek @ Austin Rd	531SJ0503	23	0	0	0	22	0	0	0	0
Tuolumne River @ Shiloh	535STC513	29	0	0	0	28	0	0	0	0
Stanislaus River @Caswell	535STC514	21	0	0	0	20	0	0	0	0
Total Eastside Basin Count		169	0	0	0	163	0	0	0	0
West Side Basin										
Orestimba Creek @ River Rd.	541STC019	27	0	0	0	28	0	0	0	0
Solado Creek @ Hwy 33	541STC515	26	0	0	0	25	0	0	0	0
Del Puerto Creek @Vineyard	541STC516	21	0	0	0	21	0	0	0	0
Grays on Drain	541STC030	23	4	0	0	22	2	0	0	0
Ingram Creek @River Rd.	541STC040	26	4	0	0	25	1	0	0	0
Hospital Creek @River Rd.	541STC042	17	3	0	0	17	1	0	0	0
Total West Side Basin Count		140	11	0	0	138	4	0	0	0
Northeast Basin										
Cosumnes River @ Twin Cities Rd.	531SAC001	20	0	0	0	20	0	0	0	0
Mokelumne River @New Hope Rd.	544SAC002	27	NA	1	0	27	NA	0	0	NA
Pixley Slough @ Davis Rd	531SJ0507	23	0	0	0	23	0	0	0	0
Bear Creek @ Thornton Road (J8)	544SJ0508	20	0	0	0	20	0	0	0	0
Bear Creek @Lower Sacramento Rd.	531SJ0515	26	0	0	0	25	0	0	0	0
Total Northeast Basin Count		116	0	1	0	115	0	0	0	0
Delta Basin										
New Jerusalem Drain	544SJ0001	27	0	0	0	27	0	0	0	0
Tom Payne Slough @Paradise Rd.	544SJ0505	27	0	0	0	27	0	0	0	0
Old River @Tracy Blvd	544SJ0506	27	0	0	0	27	0	0	0	0
Mountain House Creek	544SJ0509	16	0	0	0	16	0	0	0	0
Total Delta Basin Count		97	0	0	0	97	0	0	0	0
Total Program Count		934	11	1	0	690	4	0	0	0

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Total Zinc Sample Count	Total Zinc (ug/L)				Total Mercury Sample Count	Total Mercury (ug/L)		
			Basin Plan (ref)	Goal	Goal	Goal		Basin Plan (ref)	Goal	Goal
			Mun	Aquatic Life	Irrig. Water Supply	Rec. Use		Mun	Aquatic Life	Drinking Water
			Basin Plan (ref) (MUN) Cal Primary MCL (5000ug/L)	California Toxics rule (USEPA) (calc)	Water Quality for Agriculture (Ayers & Westcot) (2000ug/L)	USEPA IRIS Reference Dose (2100ug/L)		Basin Plan (ref) (MUN) Cal Primary MCL (2ug/L)	USEPA National Ambient W Q Criteria/1 hour average (1.4ug/L)	California Toxics Rule (USEPA) for sources of drinking water (0.05ug/L)
Main Stem										
SJR @Sack Dam	541MAD007	25	0	0	0	0	15	0	0	0
SJR @ Lander	541MER522	30	0	0	0	0	19	0	0	0
SJR @ Fremont Ford	541MER538	31	0	0	0	0	21	0	0	0
SJR @ Hills Ferry	541STC512	24	0	0	0	0	14	0	0	0
SJR @ Crows	535STC504	32	0	0	0	0	23	0	0	0
SJR @ Patterson	541STC507	30	0	0	0	0	21	0	0	0
SJR @ Maze	541STC510	29	0	0	0	0	20	0	0	0
SJR @ Airport Way/Vernalis	541SJ0501	32	0	0	0	0	21	0	0	0
Total Main Stem Count										
Southeast Basin										
Deep Slough Green House Rd	535MER577	25	0	0	0	0	14	0	0	0
Santa Rita Slough at Highway 152	541MER015	5	0	0	0	0	1	0	0	0
Bear Creek Bert Crane Rd	535MER007	26	0	0	0	0	15	0	0	0
Total Southeast Basin Count		56	0	0	0	0	30	0	0	0
Grassland Basin										
Salt Slough @Lander/Hwy 165	541MER531	28	NA	0	0	0	19	NA	0	NA
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	30	NA	0	0	0	21	NA	0	NA
Discharge from SLD	541MER535	29	NA	0	0	0	21	NA	0	NA
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	30	NA	0	0	0	21	NA	0	NA
Total Grassland Basin Count		117	NA	0	0	0	82	NA	0	NA
Eastside Basin										
Turner Slough at 4th Avenue	535MER576	23	0	0	0	0	14	0	0	0
Merced River Hatfield Park (River Road)	541MER546	20	0	0	0	0	12	0	0	0
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	28	0	0	0	0	17	0	0	0
French Camp Slough @ Airport	531SJ0504	22	0	0	0	0	12	0	0	0
Lone Tree Creek @ Austin Rd	531SJ0503	22	0	0	0	0	11	0	0	0
Tuolumne River @ Shiloh	535STC513	27	0	0	0	0	17	0	0	0
Stanislaus River @Caswell	535STC514	20	0	0	0	0	12	0	0	0
Total Eastside Basin Count		162	0	0	0	0	95	0	0	0
West Side Basin										
Orestimba Creek @ River Rd.	541STC019	28	0	0	0	0	18	0	0	0
Solado Creek @ Hwy 33	541STC515	25	0	0	0	0	15	0	0	0
Del Puerto Creek @Vineyard	541STC516	21	0	0	0	0	11	0	0	0
Grays on Drain	541STC030	22	0	0	0	0	13	0	0	0
Ingram Creek @River Rd.	541STC040	25	0	0	0	0	16	0	0	0
Hospital Creek @River Rd.	541STC042	17	0	0	0	0	10	0	0	1
Total West Side Basin Count		138	0	0	0	0	83	0	0	1
Northeast Basin										
Cosumnes River @ Twin Cities Rd.	531SAC001	20	0	0	0	0	12	0	0	0
Mokelumne River @New Hope Rd.	544SAC002	27	NA	0	0	0	16	NA	0	NA
Pixley Slough @ Davis Rd	531SJ0507	23	0	1	0	0	15	0	0	0
Bear Creek @ Thornton Road (J8)	544SJ0508	20	0	0	0	0	9	0	0	0
Bear Creek @Lower Sacramento Rd.	531SJ0515	25	0	0	0	0	15	0	0	0
Total Northeast Basin Count		115	0	1	0	0	67	0	0	0
Delta Basin										
New Jerusalem Drain	544SJ0001	27	0	0	0	0	16	0	0	0
Tom Payne Slough @Paradise Rd.	544SJ0505	27	0	0	0	0	16	0	0	0
Old River @Tracy Blvd	544SJ0506	27	0	0	0	0	16	0	0	0
Mountain House Creek	544SJ0509	16	0	0	0	0	8	0	0	0
Total Delta Basin Count		97	0	0	0	0	56	0	0	0
Total Program Count		685	0	1	0	0	413	0	0	1

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Dissolved Arsenic Sample Count	Dissolved Arsenic (ug/L)		Dissolved Cadmium Sample Count	Dissolved Cadmium (ug/L)	Dissolved Copper Sample Count	Dissolved Copper (ug/L)	
			Basin Plan	Goal		Goal		Basin Plan	Goal
			Sacramento-San Joaquin Delta	Aquatic Life		Aquatic Life		Sacramento-San Joaquin Delta	Aquatic Life
			Basin Plan (10ug/L)	California Toxics Rule (USEPA) 1-hour average (340 ug/L)		California Toxics rule (USEPA) (calc)		Basin Plan (10ug/L)	California Toxics rule (USEPA) (calc)
Main Stem									
SJR @Sack Dam	541MAD007	14	NA	0	14	0	21	NA	0
SJR @ Lander	541MER522	17	NA	0	17	0	27	NA	0
SJR @ Fremont Ford	541MER538	18	NA	0	18	0	25	NA	0
SJR @ Hills Ferry	541STC512	12	NA	0	12	0	19	NA	0
SJR @ Crows	535STC504	18	NA	0	18	0	25	NA	0
SJR @ Patterson	541STC507	18	NA	0	18	0	25	NA	0
SJR @ Maze	541STC510	17	NA	0	17	0	24	NA	0
SJR @ Airport Way/Vernalis	541SJC501	18	NA	0	18	0	27	NA	0
Total Main Stem Count		132	NA	0	132	0	193	NA	0
Southeast Basin									
Deep Slough Green House Rd	535MER577	13	NA	0	13	0	21	NA	0
Santa Rita Slough at Highway 152	541MER015	2	NA	0	2	0	5	NA	0
Bear Creek Bert Crane Rd	535MER007	14	NA	0	14	0	22	NA	0
Total Southeast Basin Count		29	NA	0	29	0	48	NA	0
Grassland Basin									
Salt Slough @Lander/Hwy 165	541MER531	14	NA	0	14	0	22	NA	0
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	18	NA	0	18	0	25	NA	0
Discharge from SLD	541MER535	17	NA	0	17	0	23	NA	0
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	18	NA	0	18	0	25	NA	0
Total Grassland Basin Count		67	NA	0	67	0	95	NA	0
Eastside Basin									
Tumer Slough at 4th Avenue	535MER576	13	NA	0	13	0	19	NA	0
Merced River Hatfield Park (River Road)	541MER546	13	NA	0	13	0	19	NA	0
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	12	NA	0	12	0	21	NA	0
French Camp Slough @ Airport	531SJC504	14	NA	0	14	0	20	NA	0
Lone Tree Creek @ Austin Rd	531SJC503	12	NA	0	12	0	20	NA	7
Tudlumne River @ Shloh	535STC513	13	NA	0	13	0	22	NA	0
Stanislaus River @Caswell	535STC514	13	NA	0	13	0	19	NA	0
Total Eastside Basin Count		90	NA	0	90	0	140	NA	7
West Side Basin									
Orestimba Creek @ River Rd.	541STC019	14	NA	0	15	0	22	NA	0
Solado Creek @ Hwy 33	541STC515	13	NA	0	13	0	19	NA	0
Del Puerto Creek @Vineyard	541STC516	9	NA	0	9	0	14	NA	0
Grayson Drain	541STC030	11	NA	0	11	0	16	NA	0
Ingram Creek @River Rd.	541STC040	13	NA	0	13	0	19	NA	0
Hospital Creek @River Rd.	541STC042	7	NA	0	7	0	10	NA	0
Total West Side Basin Count		67	NA	0	68	0	100	NA	0
Northeast Basin									
Cosumnes River @ Twin Cities Rd.	531SAC001	8	NA	0	8	0	15	NA	0
Mokelumne River @New Hope Rd.	544SAC002	14	0	0	14	0	21	0	0
Pixley Slough @ Davis Rd	531SJC507	13	NA	0	13	0	17	NA	1
Bear Creek @ Thorton Road (J8)	544SJC508	11	0	0	11	0	18	0	2
Bear Creek @Lower Sacramento Rd.	531SJC515	3	0	0	3	0	3	0	0
Total Northeast Basin Count		49	0	0	49	0	74	0	3
Delta Basin									
New Jerusalem Drain	544SJC001	14	0	0	14	0	21	1	0
Tom Payne Slough @Paradise Rd.	544SJC505	14	0	0	14	0	21	0	0
Old River @Tracy Blvd	544SJC506	14	0	0	14	0	21	0	0
Mountain House Creek	544SJC509	7	0	0	7	0	14	0	0
Total Delta Basin Count		49	0	0	49	0	77	1	0
Total Program Count		483	0	0	484	0	727	1	10

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Dissolved Lead Sample Count	Dissolved Lead (ug/L)	Dissolved Nickel Sample Count	Dissolved Nickel (ug/L)	Dissolved Zinc Sample Count	Dissolved Zinc (ug/L)	
		Goal	Aquatic Life	Goal	Aquatic Life	Basin Plan	Goal	Sacramento-San Joaquin Delta
		California Toxics rule (USEPA) (calc)		California Toxics rule (USEPA) (calc)			Basin Plan (100ug/L)	California Toxics rule (USEPA) (calc)
Main Stem								
SJR @Sack Dam	541MAD007	21	0	21	0	21	NA	0
SJR @ Lander	541MER522	27	0	27	0	27	NA	0
SJR @ Fremont Ford	541MER538	26	0	26	0	25	NA	0
SJR @ Hills Ferry	541STC512	20	0	20	0	19	NA	0
SJR @ Crows	535STC504	26	0	26	0	25	NA	0
SJR @ Patterson	541STC507	26	0	26	0	25	NA	0
SJR @ Maze	541STC510	25	0	25	0	24	NA	0
SJR @ Airport Way/Vernalis	541SJC501	28	0	28	0	27	NA	0
Total Main Stem Count		199	0	199	0	193	NA	0
Southeast Basin								
Deep Slough Green House Rd	535MER577	21	0	21	0	21	NA	0
Santa Rita Slough at Highway 152	541MER015	5	0	5	0	5	NA	0
Bear Creek Bert Crane Rd	535MER007	22	0	22	0	22	NA	0
Total Southeast Basin Count		48	0	48	0	48	NA	0
Grassland Basin								
Salt Slough @Lander/Hwy 165	541MER531	22	0	22	0	22	NA	0
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	26	0	26	0	25	NA	0
Discharge from SLD	541MER535	24	0	24	0	23	NA	0
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	26	0	26	0	25	NA	0
Total Grassland Basin Count		98	0	98	0	95	NA	0
Eastside Basin								
Tumer Slough at 4th Avenue	535MER576	19	0	19	0	19	NA	0
Merced River Hatfield Park (River Road)	541MER546	20	0	20	0	19	NA	0
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	22	0	22	0	21	NA	0
French Camp Slough @ Airport	531SJC504	20	0	20	0	20	NA	0
Lone Tree Creek @ Austin Rd	531SJC503	21	0	21	0	20	NA	0
Tuolumne River @ Shiloh	535STC513	23	0	23	0	22	NA	0
Stanislaus River @Caswell	535STC514	20	0	20	0	19	NA	0
Total Eastside Basin Count		145	0	145	0	140	NA	0
West Side Basin								
Orestimba Creek @ River Rd.	541STC019	23	0	23	0	22	NA	0
Solado Creek @ Hwy 33	541STC515	20	0	20	0	19	NA	0
Del Puerto Creek @Vineyard	541STC516	15	0	15	0	15	NA	0
Grays on Drain	541STC030	17	0	17	0	17	NA	0
Ingram Creek @River Rd.	541STC040	20	0	20	0	19	NA	0
Hospital Creek @River Rd.	541STC042	11	0	11	0	11	NA	0
Total West Side Basin Count		106	0	106	0	103	NA	0
Northeast Basin								
Cosumnes River @ Twin Cities Rd.	531SAC001	15	0	15	0	15	NA	0
Mokelumne River @New Hope Rd.	544SAC002	21	0	21	0	21	0	0
Pikley Slough @ Davis Rd	531SJC507	17	0	17	0	17	NA	0
Bear Creek @ Thorton Road (J8)	544SJC508	18	0	18	0	18	0	0
Bear Creek @Lower Sacramento Rd.	531SJC515	3	0	3	0	3	0	0
Total Northeast Basin Count		74	0	74	0	74	0	0
Delta Basin								
New Jerusalem Drain	544SJC001	21	0	21	0	20	0	0
Tom Payne Slough @Paradise Rd.	544SJC505	21	0	21	0	21	0	0
Old River @Tracy Blvd	544SJC506	21	0	21	0	21	0	0
Mountain House Creek	544SJC509	14	0	14	0	14	0	0
Total Delta Basin Count		77	0	77	0	76	0	0
Total Program Count		747	0	747	0	729	0	0

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location	Site	Chloride Sample Counts	Chloride (mg/L)			Sulfate Sample Counts	Sulfate (mg/L)	TDS Sample Counts	TDS (mg/L)		
			Basin Plan (ref)	Goal	Goal				Basin Plan (ref)	Basin Plan (ref)	Goal
			Mun	Aquatic Life	Irrig. Water Supply				Mun	Mun	Irrig. Water Supply
			Basin Plan (ref) (MUN) Cal Primary MCL (600 mg/L)	USEPA National Ambient W Q Criteria / 1-hour average (860 mg/L)	Water Quality for Agriculture (Ayers & Westcot) (106mg/L)				Basin Plan (ref) (MUN) Cal Secondary MCL (600mg/L)	Basin Plan (ref) (MUN) Cal Secondary MCL (1500 mg/L)	Water Quality for Agriculture (Ayers & Westcot) (450mg/L)
Main Stem											
SJR @Sack Dam	541MAD007	26	0	0	6	26	0	17	0	2	
SJR @ Lander	541MER522	20	0	0	20	20	0	16	0	16	
SJR @ Fremont Ford	541MER538	26	0	0	26	27	0	21	0	21	
SJR @ Hills Ferry	541STC512	25	0	0	25	24	0	15	2	14	
SJR @ Crows	535STC504	26	0	0	23	29	0	24	0	21	
SJR @ Patterson	541STC507	17	0	0	16	19	0	15	0	13	
SJR @ Maze	541STC510	16	0	0	10	18	0	14	0	11	
SJR @ Airport Way/Vernalis	541SJC501	27	0	0	8	30	0	25	0	9	
Total Main Stem Count		183	0	0	134	193	0	147	2	107	
Southeast Basin											
Deep Slough Green House Rd	535MER577	25	0	0	0	25	0	17	0	1	
Santa Rita Slough at Highway 152	541MER015	5	0	0	0	5	0	5	0	2	
Bear Creek Bert Crane Rd	535MER007	26	0	0	0	25	0	17	0	0	
Total Southeast Basin Count		56	0	0	0	55	0	39	0	3	
Grassland Basin											
Salt Slough @Lander/Hwy 165	541MER531	18	0	0	18	19	0	15	0	15	
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	26	0	0	25	29	3	24	6	22	
Discharge from SLD	541MER535	18	2	0	18	20	20	89	89	89	
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	18	0	0	18	20	14	16	10	16	
Total Grassland Basin Count		80	2	0	79	88	37	144	105	142	
Eastside Basin											
Turner Slough at 4th Avenue	535MER576	23	0	0	4	23	0	15	1	4	
Merced River Hatfield Park (River Road)	541MER546	11	0	0	0	10	0	10	0	0	
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	29	0	0	9	27	0	17	0	11	
French Camp Slough @ Airport	531SJC504	20	0	0	0	20	0	14	0	1	
Lone Tree Creek @ Austin Rd	531SJC503	23	0	0	0	22	0	16	0	0	
Tuolumne River @ Shiloh	535STC513	18	0	0	0	17	0	11	0	0	
Stanislaus River @ Caswell	535STC514	11	0	0	0	9	0	9	0	0	
Total Eastside Basin Count		135	0	0	13	128	0	92	1	16	
West Side Basin											
Orestimba Creek @ River Rd.	541STC019	15	0	0	3	17	0	13	0	4	
Solado Creek @ Hwy 33	541STC515	26	0	0	12	24	0	15	0	10	
Del Puerto Creek @Vineyard	541STC516	20	0	0	16	20	0	10	0	8	
Grayson Drain	541STC030	23	0	0	13	21	0	12	0	7	
Ingram Creek @River Rd.	541STC040	26	0	0	24	24	0	15	2	14	
Hospital Creek @River Rd.	541STC042	16	0	0	9	14	0	6	0	5	
Total West Side Basin Count		126	0	0	77	120	0	71	2	48	
Northeast Basin											
Cosumnes River @ Twin Cities Rd.	531SAC001	13	0	0	0	13	0	8	0	0	
Mokelumne River @New Hope Rd.	544SAC002	16	NA	0	0	16	NA	9	NA	0	
Pitxley Slough @ Davis Rd	531SJC507	20	0	0	0	20	0	10	0	0	
Bear Creek @ Thornton Road (J8)	544SJC508	17	0	0	0	17	0	12	0	0	
Bear Creek @Lower Sacramento Rd.	531SJC515	7	0	0	0	7	0	2	0	0	
Total Northeast Basin Count		73	0	0	0	73	0	41	0	0	
Delta Basin											
New Jerusalem Drain	544SJC001	25	0	0	25	25	1	15	12	15	
Tom Payne Slough @Paradise Rd.	544SJC505	25	0	0	24	25	0	15	8	14	
Old River @Tracy Blvd	544SJC506	25	0	0	15	25	0	15	0	11	
Mountain House Creek	544SJC509	15	0	0	9	15	0	9	5	5	
Total Delta Basin Count		90	0	0	73	90	1	54	25	45	
Total Program Count		743	2	0	376	747	38	588	135	361	

NA= Not Applicable/Not a designated Beneficial Use

Appendix P: Exceedance/elevated levels Summary continued...

Location		Site	Sodium Sample Counts	Sodium (mg/L)		
				Goal	Goal	Goal
				Irrig. Water Supply	Drinking Water	Drinking Water
				Water Quality for Agriculture (Ayers & Westcot) (69mg/L)	USEPA Drinking Water Advisory: Taste and odor threshold (30-60mg/L)	USEPA Drinking Water Advisory: Persons on restricted sodium diet (20mg/L)
Main Stem						
SJR @Sack Dam	541MAD007	23	15	17	23	
SJR @ Lander	541MER522	17	17	17	17	
SJR @ Fremont Ford	541MER538	24	24	24	24	
SJR @ Hills Ferry	541STC512	22	22	22	22	
SJR @ Crows	535STC504	25	23	23	25	
SJR @ Patterson	541STC507	15	14	15	15	
SJR @ Maze	541STC510	14	12	13	14	
SJR @ Airport Way/Vernalis	541SJC501	26	21	22	26	
Total Main Stem Count			166	148	153	166
Southeast Basin						
Deep Slough Green House Rd	535MER577	22	4	7	22	
Santa Rita Slough at Highway 152	541MER015	5	4	4	5	
Bear Creek Bert Crane Rd	535MER007	23	1	1	1	
Total Southeast Basin Count			50	9	12	28
Grassland Basin						
Salt Slough @Lander/Hwy 165	541MER531	15	15	15	15	
Mud Slough (n) (upstream) @ San Luis Drain	541MER536	25	25	25	25	
Discharge from SLD	541MER535	16	16	16	16	
Mud Slough (n) (downstream) @ San Luis Drain	541MER542	16	16	16	16	
Total Grassland Basin Count			72	72	72	72
Eastside Basin						
Turner Slough at 4th Avenue	535MER576	20	4	4	11	
Merced River Hatfield Park (River Road)	541MER546	12	0	0	2	
Harding Drain discharge @ San Joaquin River (TID5)	535STC501	25	18	20	25	
French Camp Slough @ Airport	531SJC504	20	0	0	2	
Lone Tree Creek @ Austin Rd	531SJC503	24	0	0	2	
Tuolumne River @ Shiloh	535STC513	14	0	0	2	
Stanislaus River @Caswell	535STC514	12	0	0	0	
Total Eastside Basin Count			127	22	24	44
West Side Basin						
Orestimba Creek @ River Rd.	541STC019	13	8	10	13	
Solado Creek @ Hwy 33	541STC515	23	20	21	23	
Del Puerto Creek @Vineyard	541STC516	17	15	17	17	
Grayson Drain	541STC030	20	17	18	20	
Ingram Creek @River Rd.	541STC040	23	23	23	23	
Hospital Creek @River Rd.	541STC042	13	12	12	13	
Total West Side Basin Count			109	95	101	109
Northeast Basin						
Cosumnes River @ Twin Cities Rd.	531SAC001	9	0	0	0	
Mokelumne River @New Hope Rd.	544SAC002	12	0	NA	NA	
Pitxley Slough @ Davis Rd	531SJC507	16	0	0	0	
Bear Creek @ Thornton Road (J8)	544SJC508	17	0	0	0	
Bear Creek @Lower Sacramento Rd.	531SJC515	3	0	0	0	
Total Northeast Basin Count			57	0	0	0
Delta Basin						
New Jerusalem Drain	544SJC001	21	21	21	21	
Tom Payne Slough @Paradise Rd.	544SJC505	21	21	21	21	
Old River @Tracy Blvd	544SJC506	21	18	19	20	
Mountain House Creek	544SJC509	13	9	9	13	
Total Delta Basin Count			76	69	70	75
Total Program Count			657	415	432	494

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