

APPENDIX B. Raw sediment sampling data.

Station #	Station Name	Date	Time	grainsize	depth (ft)	Latitude	Longitude	Nutrients (uM)					[MMHg](ng/g)		HgT (ng/g)		MMHg/HgT				
								NO ₃	PO ₄	Silica	Sand (%)	Silt/Clay (%)	LOI (%)	H2O T (C)	pH	Sed 1	Sed 2	Sed 1	Sed 2	Sed 1	Sed 2
30	Sac River Deep Water channel	10/26/99		silt/clay	20	38.3419	121.6453	27.2	3.6	268	11.31	88.69	2.7	0.49	194.7						
31	Sac River Deep h2o chan.	10/26/99		sand/silt/clay	37	38.3064	121.6542	26.5	2.67	350	35.23	64.77	1.9								
35	Prospect Slough	10/27/99		clay	37	38.2583	121.6736	32.0	5.30	247	93.11	6.89	1.5	0.12	113.3			0.0011			
36	Cache Slough	10/27/99 1200		silt		38.2883	121.7217	108	7.60	271	0.25	99.75	2.4	0.26	130.7	125.3		0.0020			
38	Prospect Island Slough	10/26/99		silt/sand	20	38.2600	121.6711	21.1	2.54	274	55.21	44.79	1.4	0.18	323.8			0.0005			
39	Prospect Slough	10/26/99		silt/sand	3	38.5373	121.6806	22.4	2.64	256	5.50	94.50	2.3	0.28	124.6			0.0022			
41	Garcia Bend, Sac River	10/27/99 1430		sand	20	38.4980	121.5591	7.6	1.07	275	99.83	0.17	0.4	15.0	7.23	<MDL		6.4			
43	Sacramento River	10/27/99 1330		sand	32	38.4272	121.5307	7.8	2.40	180	99.91	0.09	0.5	15.2	6.95	<MDL		<MDL	7.5		
54	Sacramento River	10/27/99 1300		sand/gravel	34	38.3398	121.5636	9.2	2.27	206	78.43	23.57	0.6	15.4	6.85	0.18	0.30	61.1	32.6	0.0030	0.0093
59	Georgina Slough	10/27/99 1030		silt/sand	20	38.2157	121.5405	12.5	2.26	239	51.22	48.78	1.5	15.3	7.01			81.1	86.1		
51	Sacramento R. @ Cache Slough	10/26/99 1030		silt	20	38.2008	121.6583	22.3	2.20	243	28.11	71.89	2.5	0.54	208.5			0.0026			
53	Sacramento River	10/27/99 1215		sand	26	38.2560	121.5151	10.1	2.15	294	99.93	0.07		15.3	6.98			<MDL			
54	Sacramento River	10/27/99 1130		sand	5	38.2535	121.4990	12.1	1.85	272	76.26	21.74	1.3	15.3	6.95	<MDL		<MDL	7.5		
55	Sacramento River	10/26/99 1430		silt	14	38.0674	121.7712	23.3	2.16	233	6.40	94.60	2.1	17.0	7.74	0.26	0.08	46.1	27.6	0.0057	0.0028
56	Sacramento River	10/26/99 1500		silt/sand	9	38.0907	121.7438	19.7	2.43	257	43.05	56.95	2.6	16.7	7.64			98.9			
60	North Mokelumne	10/25/99 1510		silt	26	38.1456	121.5553	14.7	2.30	281	2.82	97.18	1.6	15.7	6.68	0.54		279.8		0.0019	
61	North Mokelumne	10/25/99 1530		silt	24	38.1589	121.5344	13.4	2.39	266	1.79	98.21	2.3	16.0	6.91	0.54					
62	North Mokelumne	10/25/99 1600		silt	28	38.1842	121.5244	13.5	2.50	283	6.72	93.28	0.8	15.6	6.86	0.65		73.6		0.0088	
64	Beaver Slough	10/25/99 1630		silt	23	38.1947	121.4736	14.4	1.95	207	26.12	73.88	2.1	15.7	7.07	0.65		190.1	160.3	0.0034	
65	Hog Slough	10/25/99 1546		silt	17	38.1886	121.4736	10.1	1.16	221	23.68	76.32	1.9	17.9	7.59	0.24		112.5		0.0021	
66	Sycamore Slough	10/25/99 1506		silt	20	38.1422	121.4744	15.0	1.22	83	3.57	96.43	4.7	17.3	7.50			237.8			
67	Tower Park/Little Potatoe Slough	10/25/99 1400		silt	20	38.1044	121.4917	18.4	1.68	184	7.22	92.78	2.2	16.1	6.88	0.61		135.7	156.3	0.0045	
68	Little Potatoe Slough	10/25/99		silt	3.5	38.0831	121.5017	21.0	2.29	270	10.67	89.33	1.7	16.8	6.88			172.9		0.0039	
69	White Slough	10/25/99 1800		silt	3.5	38.0878	121.4783	18.1	2.02	248	0.14	98.86	1.8	16.0	6.88			273.9			
70	Disappointment Slough	10/25/99 1602		silt	40	38.0489	121.4881	91.2	3.36	247	0.45	95.65	2.0					113.7			
71	Little Connection Slough	10/25/99		silt/sand		38.0436	121.4972	26.3	1.81	198	67.37	32.63	1.9	0.20	82.5	35.1		0.0024			
72	Columbia Cut	10/26/99		silt/peat	2	38.0286	121.4881	26.4	2.29	247	17.75	82.25	4.3	0.83	145.1			0.0057			
73	Headscam Cutoff	10/26/99 1030		clay	3	38.0136	121.4851	26.5	2.29	247	2.19	82.25	4.3	0.83	145.1			0.0057			
74	Turner Cut @ Acker Isld.	10/26/99		silt/sand	20	37.9969	121.4522	108	3.16	249	57.03	42.97	2.1	0.21	110.2			0.0019			
76	Middle River	10/26/99 1200		clay	13	37.9514	121.5328	52.6	1.60	250	71.77	28.23	0.6	17.7	7.35	0.31		33.6		0.0093	
77	Middle River	10/26/99 1133		silt	15.9	37.9822	121.5300	23.1	1.44	210	12.16	87.84	1.9	17.8	7.24	0.94		139.1		0.0068	
78	Middle River/Not Main River*	10/26/99		silt	2	38.0286	121.4881	26.4	2.29	247	17.75	82.25	4.3	0.83	145.1			0.0057			
79	Middle River	10/26/99		silt	2	38.0483	121.5336	21.6	1.66	252	3.47	96.53	2.5	0.13	162.7			0.0008			
80	Old River	10/26/99		silt	22	37.9542	121.5700	18.5	2.15	200	74.45	25.55	1.8	17.8	7.70	0.08		84.1		0.0009	
81	Old River	10/26/99 1405		silt	2	37.9783	121.5808	15.3	1.90	216	6.73	93.27	3.9	17.5	7.78	0.57		<MDL			
82	Concession Slough	10/26/99 1010		silt	6	38.0133	121.5558	19.6	2.52	222	33.89	61.39	4.0	17.0	7.25	<MDL		18.1	102.8		0.0144
84	Franks Tract	10/26/99 1635		silt	9.9	38.0517	121.5919	17.9	1.90	236	3.20	96.80	2.1	17.3	7.66	1.11		173.0		0.0064	
85	Frank's Tract @ False River	10/26/99 1730		silt	38	38.0583	121.6089	2.1	1.66	140	13.03	86.97	1.9	18.3	8.97	2.07		78.5	68.6	0.0264	
87	Old River Flats	10/26/99		silt	12	38.0942	121.5769	21.6	2.20	275	8.53	91.47	2.0	0.66	108.0			0.0061			
88	Fisherman's Slough	10/26/99 1735		silt/sand	50	38.1058	121.6153	20.6	2.41	251	44.44	56.86	2.0	0.66	108.0			0.0061			
91	SJR Jersey Pt.	10/26/99 1100		sand	14	38.0543	121.6922	22.9	2.02	243	88.84	11.16	1.2	16.8	7.18	0.04	0.06	33.1	79.9	0.0011	0.0008
93	Big Break	10/26/99 1145		silt	5	38.0206	121.7237	19.4	2.41	312	32.78	67.22	1.0	17.2	7.64			151.5	175.6	0.0000	0.0000
94	Big Break	10/26/99 1200		sand	29	38.0254	121.7490	18.0	2.17	191	86.61	1.39	0.40	17.3	7.65	<MDL		<MDL			
95	San Joaquin River	10/26/99 1300		sand	26	38.0201	121.7657	19.1	2.13	72	97.92	2.08	0.6	18.2	7.75	<MDL		<MDL	29.2	26.6	
102	San Joaquin River	10/26/99 1230		sand	11.7	38.0223	121.7573	20.0	2.37	136	99.58	0.42	0.5	16.7	7.69	<MDL		<MDL	<MDL	<MDL	
103	Antioch Dunes Nat Wildlife	10/26/99 1315		silt/sand	3	38.0166	121.7931	24.8	2.36	171	59.98	40.02	1.5	18.0	7.76			0.18	57.6	100.4	0.0018
104	Mainland off Kimball Island	12/01/99 1315		silt	2	38.0222	121.8094	20.6	2.41	251	20.66	79.34	2.0	0.40	0.49	235.7	192.1		0.0017	0.0025	
105	San Joaquin River	12/01/99 1337		silt	5	38.0253	121.8419	20.6	2.41	251	5.52	94.48	2.4	0.44	0.21	250.9	220.5		0.0017	0.0009	
106	Inland in Sherman Lake	12/01/99 1248		silt		38.0464	121.8042				0.06	99.94	1.9	0.51	226.6			0.0023			
107	Mainland off Brown's Island	12/01/99 1450		clay		38.0336	121.8697				1.14	98.86	6.8	0.38	100.2			0.0038			
108	Sherman's Island	12/01/99 1405		clay	6	38.0458	121.8331				1.13	98.87	2.4	0.71	270.6			0.0026			
109	Sac River Deep h2o chan.	12/01/99 1225		silt		38.0636	121.8067				0.03	99.97	2.5	1.07	372.2			0.0029			
110	SJR	12/01/99 1150		silt/sand		38.0739	121.8439				44.64	55.36	3.5	0.42	266.8			0.0016			
111	Mallard Island	12/01/99 1038		silt		38.0423	121.9167				1.28	98.72	2.2	0.29	286.6			0.0010			
112	Suisun Bay	12/01/99 758		silt		38.0559	121.9281				6.83	91.77	2.1	0.18	186.3			0.0010			
113	Van Sickle Isld Slough	12/01/99 920		sand/silt/clay		38.0698	121.9119				58.71	41.29	2.4	0.18	186.3			0.0010			
114	Montezuma Slough	12/01/99 1106		silt		38.0720	121.8711				1.68	98.32	3.0	0.60	249.0			0.0024			
115	Suisun Bay	12/01/99 945		silt		38.0817	121.9206				8.44	9									

APPENDIX B Continued. Raw sediment sampling data.

Station Name	Date/Time	Latitude	Longitude	water depth ft	grainsize (field observe)	Silt/Clay (%)	LOI (%)	MMHg/(ng/g)	HgT (ng/g)	MMHg/HgT
Mandeville Cut /under hydrilla/0-.5/rep 1	5/20/2001	38.06152	121.53774	6	clay	21.08	3.84	170	0.0226	
Mandeville Cut /under hydrilla/1-3.0/rep 1	5/20/2001	38.06152	121.53774	6	clay	19.96	2.26	149	0.0152	
Mandeville Cut /mid/0-.5/rep 1	5/20/2001	38.06152	121.53774	6	peat	16.14	0.83	125	0.0066	
Mandeville Cut /mid/1-3.0/rep 1	5/20/2001	38.06152	121.53774	6	peat	15.74	0.90	140	0.0064	
Mandeville Cut /mid/0-.5/rep 2	5/20/2001	38.06152	121.53774	6	peat	17.23	0.74	711	0.0010	
Mandeville Cut /mid/1-3.0/rep 2	5/20/2001	38.06152	121.53774	6	peat	15.85	1.13	92.4	0.0122	
Mandeville Cut /channel/0-.5/rep 1	5/20/2001	38.05840	121.54008	6	sandy/silt	51.48	0.52	<MDL		
Mandeville Cut /channel/1-3.0/rep 1	5/20/2001	38.05840	121.54008	6	sandy/silt	45.67	0.61	<MDL		
Mandeville Cut /channel/0-.5/rep 2	5/20/2001	38.05840	121.54008	6	sandy/silt	34.36	2.46	164	0.0150	
Mandeville Cut /channel/1-3.0/rep 2	5/20/2001	38.05840	121.54008	6	sandy/silt	32.37	5.19	147	0.0353	
14 mile Slough /under hydrilla/0-.5/rep 1	5/20/2001	38.06659	121.39224	2	silt	6.08	2.15	0.0376		
14 mile Slough /under hydrilla/1-3.0/rep 1	5/20/2001	38.06659	121.39224	2	silt	26.47	4.73	211	0.0224	
14 mile Slough /under hydrilla/0-.5/rep 2	5/20/2001	38.06659	121.39224	2	silt	26.37	7.56	297	0.0255	
14 mile Slough /under hydrilla/1-3.0/rep 2	5/20/2001	38.06659	121.39224	2	silt	20.3	3.60	212	0.0170	
14 mile Slough /mid/0-.5/rep 1	5/20/2001	38.06659	121.39224	2	silt	15.93	3.36	158	0.0213	
14 mile Slough /mid/1-3.0/rep 1	5/20/2001	38.06659	121.39224	2	silt	15.68	4.71	156	0.0302	
14 mile Slough /mid/0-.5/rep 2	5/20/2001	38.06659	121.39224	2	silt	16.34	2.61	160	0.0163	
14 mile Slough /mid/1-3.0/rep 2	5/20/2001	38.06659	121.39224	2	silt	15.73	2.38	164	0.0145	
14 mile Slough /channel/0-.5/rep 1	5/20/2001	38.06659	121.39224	6	silt	12.93	1.35	145	0.0093	
14 mile Slough /channel/1-3.0/rep 1	5/20/2001	38.06659	121.39224	6	silt	11.72	1.18	138	0.0086	
14 mile Slough /channel/0-.5/rep 2	5/20/2001	38.06659	121.39224	6	silt	13.74	1.39	140	0.0099	
14 mile Slough /channel/1-3.0/rep 2	5/20/2001	38.06659	121.39224	6	silt	13.7	1.95	129	0.0151	
14 mile slough /channel/1-3.0/rep 1	5/17/2001	38.01108	121.38512	3	silt	0.452	1.95	0.0023		
14 mile slough /channel/0-.5/rep 4	5/17/2001	37.99819	121.40612	6	silt	0.531	<MDL			
14 mile slough /channel/1-3.0/rep 4	5/17/2001	37.99819	121.40612	6	silt	0.452	1.63	0.0028		
Webber Pt. /under hydrilla/0-.5/rep 1	5/20/2001	38.00965	121.44651	2	silt	36.4	5.13	214	0.0240	
Webber Pt. /under hydrilla/1-3.0/rep 1	5/20/2001	38.00965	121.44651	2	silt	27.17	3.50	157	0.0242	
Webber Pt. /under hydrilla/0-.5/rep 2	5/20/2001	38.00965	121.44651	2	silt	30.26	3.54	224	0.0158	
Webber Pt. /under hydrilla/1-3.0/rep 2	5/20/2001	38.00965	121.44651	2	silt	33.43	3.76	194	0.0194	
Webber Pt. /mid/0-.5/rep 1	5/20/2001	38.00977	121.44657	4	silt	15.79	3.98	195	0.0204	
Webber Pt. /mid/1-3.0/rep 1	5/20/2001	38.00977	121.44657	4	silt	16.04	2.44	152	0.0161	
Webber Pt. /mid/0-.5/rep 2	5/20/2001	38.00977	121.44657	4	silt	14.45	3.78	211	0.0179	
Webber Pt. /mid/1-3.0/rep 2	5/20/2001	38.00977	121.44657	4	silt	14.85	1.60	155	0.0103	
Webber Pt. /channel/0-.5/rep 1	5/20/2001	38.00984	121.44635	16	silt	17.01	3.70	324	0.0114	
Webber Pt. /channel/1-3.0/rep 1	5/20/2001	38.00984	121.44635	16	silt	15.33	2.68	219	0.0122	
Webber Pt. /channel/0-.5/rep 2	5/20/2001	38.00984	121.44635	16	silt	6.83	0.42	168	0.0025	
Webber Pt. /channel/1-3.0/rep 2	5/20/2001	38.00984	121.44635	16	silt	7.03	0.50	116	0.0043	
Pixley Slough /channel/0-.5	5/17/2001	38.04515	121.39880	10	silt	5.26	0.143	54.4	0.0026	
Pixley Slough /channel/1-3	5/17/2001	38.04515	121.39880	10	silt	6.73	0.347	70.4	0.0049	
SJR near Hog 1	5/17/2001	38.00397	121.44416	7	silt	9.27	0.981	143	0.0069	
SJR near 14 mile slough	5/17/2001	37.99880	121.42666	7	silt	9.95	1.47	<MDL		
SJR near Hog 1 Cut 2	5/17/2001	38.00898	121.44696	5	silt	12.13	1.45	<MDL		
Delta Yacht Club	5/17/2001	38.02811	121.47695	8	silt	9.01	0.202	96.3	0.0021	
Lake Delta	5/17/2001	38.02848	121.48733	10	silt/peat	22.51	2.84	88.5	0.0321	
Lake Delta	5/17/2001	38.02848	121.48733	10	silt/peat	17.13	0.488	92.2	0.0053	
Lake Delta	5/17/2001	38.02848	121.48733	10	silt/peat	13.83	1.75	115	0.0152	
Brannan I #2a	5/18/2001	38.12069	121.66288	8	silt/clay	0.0868	128	0.0007		
Brannan I 2	5/18/2001	38.12069	121.66288	1	silt/clay	0.654	196	0.0033		
Grand I	5/18/2001	38.18925	121.59258	3	silt/clay	10.25	0.164	90	0.0018	
Ryer I	5/18/2001	38.24145	121.63343	4	silt/clay	10.12	0.863	235	0.0037	
Sullur Creek above Bear 0-2 cm	05/31/01	39.03810	122.40810	3.3		0.554	1751	0.0003		
Sullur Creek above Bear 3-5 cm	05/31/01	39.03810	122.40810	2.51		0.434	35540	0.0000		
Bear upstream 0-2 cm	05/31/01	39.04100	122.40800	2.16		0.136	377	0.0004		
Bear upstream 2-4 cm	05/31/01	39.04100	122.40800	1.77		0.0533	237	0.0002		
Bear downstream 2-4 cm	05/31/01	39.039	122.4065	2.99		0.342	1536	0.0002		
Bear downstream 0-2 cm	05/31/01	39.039	122.4065	2.06		1.29	12206	0.0001		
Mid Bear 1-2 cm	05/31/01	38.9577	122.3403	16.64		0.64	1981	0.0084		
Mid Bear 0-2 cm bank	05/31/01	38.9577	122.3403	3.08		0.0575	417	0.0001		
Mid Bear 0-2 cm pasture	05/31/01	38.9577	122.3403	3.57		0.015	2320	0.0015		
Mid Bear Deep 3-5 cm	05/31/01	38.9577	122.3403	2.06		0.249	509	0.0005		
Bear above Cache - surface	05/31/01	38.92763	122.33360	3.28		0.90	1001	0.0009		
Bear above Cache 0-2 cm	05/31/01	38.9269	122.3325	2.64		1.93	243	0.0079		
Rumsey 0-3 cm	05/31/01	38.89018	122.23868	4.53		0.43	341	0.0128		
Rumsey 3-5 cm	05/31/01	38.89018	122.23868	4.72		4.14	226	0.0183		
Capay Dam	05/31/01	38.71182	122.08512	3.99		6.66	1131	0.0059		
Hwy 505 12-16 cm	05/31/01	38.69594	121.95499	0.69		<MDL	42.9			
Hwy 505 0-2 cm	05/31/01	38.69594	121.95499	0.8		0.0556	50.7	0.0011		
Hwy 505 6-9 cm	05/31/01	38.69594	121.95499	0.67		0.0197	<MDL			
Rd 133 1 Mile East of Bridge 0-2 cm	05/31/01	38.7232	121.7543	1.15		0.191	85.0	0.0022		
Rd 102 0-2 cm	05/31/01	38.72645	121.7299	1.95		0.476	1308	0.0004		
Capay Dam	05/31/01	38.71182	122.08512	3.99		6.66	1131	0.0059		
14 mile slough 0-.5 cm rep 4	May of 01	38.00659	121.39224	11.78		0.531	<MDL			
14 mile slough 1-3 cm rep 4	May of 01	38.00659	121.39224	11.09		0.452	163	0.0028		
Lake Berryessa fine sieved	10/18/2001	38.51550	122.12330	100		5.46	0.20	107	0.0019	
Clear Lake	39.0803	122.863	0.18							
Cachment basin fine sieved	10/19/2001	38.67850	121.67361	100		4.05	3.83	1157	0.0033	
Cachment Basin unsieved	10/19/2001	38.67850	121.67361	4.83		1.10	382	0.0029		
Capay Dam unsieved	10/18/2001	38.71182	122.08512	5.86		7.76	376	0.0206		
Bear Creek @ Hwy 20 coarse sieved	10/18/2001	39.01135	122.361033	3.94		2.52	2869	0.0012		
Bear Creek @ Hwy 20 fine sieved	10/18/2001	39.01135	122.361033	4.05		3.90	4325	0.0007		
Bear Creek above Cache Creek coarse sieved	10/18/2001	38.92763	122.33352	4.89		1.81	10845	0.0002		
Bear Creek above Cache Creek fine sieved	10/18/2001	38.92763	122.33352	7.85		3.85	1450	0.0027		
Cache Creek @ Rumsey Bridge coarse sieved	10/18/2001	38.89018	122.23868	1.46		0.311	75	0.0041		
Cache Creek @ Rumsey Bridge fine sieved	10/18/2001	38.89018	122.23868	6.23		1.48	345	0.0043		
Harley Gulch coarse sieved	10/18/2001	39.01398	122.43632	8.61		0.142	37923	0.0000		
Sullur Creek coarse sieved	10/18/2001	39.03997	122.40853	4.81		1.90	38749	0.0000		
Sullur Creek fine sieved	10/18/2001	39.03997	122.40853	100		12.71	2.75	34170	0.0001	
Cache @ Esparto fine sieved	10/25/2001	38.71460	122.00690	100		7.42	9.16	1066	0.0084	
Cache Creek @ Hwy 505 coarse sieved	10/19/2001	38.69594	121.95499	1.75		4.84	134	0.0036		
Cache Creek @ Hwy 505 fine sieved	10/19/2001	38.69594	121.95499	15.38		4.40	172	0.0256		
Cache Creek @ Road 102 unsieved	10/19/2001	38.72645	121.72990	4.25		0.216	109	0.0020		
Cache Creek @ Road 102 sieved	10/19/2001	38.72645	121.72990	3.62		0.153	149	0.0010		
Comanche Reservoir fine sieved	10/17/2001	38.22125	121.01064	100		0.91	0.10	47	0.0020	
Comanche Reservoir unsieved	10/17/2001	38.22125	121.01064	8.59		0.0906	101	0.0009		
Don Pedro Reservoir fine sieved	10/16/2001	37.70690	120.42490	4.32		0.255	554	0.0005		
Don Pedro Reservoir unsieved	10/16/2001	37.70690	120.42490	4.66		0.0797	<MDL			
Folsom Lake fine sieved	10/17/2001	38.71408	121.15058	4.52		0.				

