

SO4 conc		5/16/2013	6/11/2013	6/18/2013	6/25/2013	6/28/2013	7/2/2013	7/16/2013	7/30/2013	8/6/2013	8/13/2013
1	300	64.36	249.4	269.4	230.2	292.8	295.65	250.45	268.75	269.4	249.1
2	150	14.84	127.94	130.62	101.98	150.84	141.18	107.96	125.36	123.18	111.1
3	50	5.32	48.29	40.99	24.15	54.45	43.35	27.48	33.88	27.84	21.59
4	0	5.34	4.19	5.98	6	8.22	7.77	7.11	5.9	4.41	3.88
5	100	5.92	87.07	88.42	64.89	101.01	88.08	68.22	86.6	83.4	77.34
6	50	6.21	45.72	38.96	23.9	57.29	45.16	35.66	34.09	28.63	22.02
7	150	16.56	133.02	136.94	106.86	149.72	138.12	117.04	125.5	126.96	111.88
8	50	6.46	47.88	45.66	31.13	47.8	39.74	16.87	23.36	13.81	10.62
9	0	5.39	5.9	8.6	7.12	9.23	9.53	9.27	6.14	5.77	6.55
10	100	6.16	77.9	80.72	61.16	98.92	89.32	66.86	72.1	66.44	58.36
11	150	14.4	135.42	141.82	109.56	148.52	140.48	108.48	134.54	141	130.86
12	300	69.52	251.16	277.48	228.4	306.2	296.1	242	255.55	254.45	238.15
13	0	6.03	5.75	9.13	8.03	9.73	8.68	8.69	7.03	5.77	6.71
14	300	76.44	252.32	273.48	226.4	305.94	297.25	254.1	264.05	273.9	252.55
15	150	15.52	130.2	134.66	106.16	147.7	141.78	111.28	129.48	121.76	107.8
16	50	5.62	44.02	35.96	21.12	49.42	42.53	24.59	40.31	38.82	37.12
17	300	84.84	245.56	270.48	226.76	303.24	289.95	244.45	255.9	252.15	234.05
18	100	9.48	86.93	85.67	66.68	101.9	92.38	74.58	80.78	76.22	74.02
19	100	10.79	89.07	86.19	63.4	97.6	87.02	65	74.82	69.22	62.74
20	300	82.08	251.88	258.52	210.28	302.72	289.95	234.3	275.15	277.7	264
21	100	8.67	82.98	77.53	55.45	102.99	88.2	61.72	67.62	63.86	55.16
22	50	9.18	45.19	39.07	25.63	47.92	42.59	30.82	34.58	30.84	28.02
23	0	5.5	6.63	9.73	7.99	8.75	7.46	9.33	4.95	5.19	5.5
24	150	14.8	122.72	122.78	97.74	144.06	136.68	101.38	123.94	120.64	107.22
25	0	4.3	5.16	7.75	7.2	8.59	8.48	10.25	6.32	6.32	6.47
26	100	13.13	87.99	86.27	62.59	104.16	92.28	64	63.48	57	51.26
27	150	14.36	125.42	128.9	96.92	147.82	140.28	107.94	130.08	126.4	117.06
28	50	6.3	37.62	36.1	23.26	49.57	42.92	28.11	31.09	25.96	23.05
29	300	48.56	243.52	260.36	210.96	294.92	292.2	264.15	270.7	267.95	249.8
30	0	4.85	5.25	7.29	6.96	8.73	8.4	8.28	5.41	5.15	6.16

SO4 conc												
		5/16/2013	6/11/2013	6/18/2013	6/25/2013	6/28/2013	7/2/2013	7/16/2013	7/30/2013	8/6/2013	8/13/2013	
4	0	5.34	4.19	5.98	6	8.22	7.77	7.11	5.9	4.41	3.88	
9	0	5.39	5.9	8.6	7.12	9.23	9.53	9.27	6.14	5.77	6.55	
13	0	6.03	5.75	9.13	8.03	9.73	8.68	8.69	7.03	5.77	6.71	
23	0	5.5	6.63	9.73	7.99	8.75	7.46	9.33	4.95	5.19	5.5	
25	0	4.3	5.16	7.75	7.2	8.59	8.48	10.25	6.32	6.32	6.47	
30	0	4.85	5.25	7.29	6.96	8.73	8.4	8.28	5.41	5.15	6.16	
3	50	5.32	48.29	40.99	24.15	54.45	43.35	27.48	33.88	27.84	21.59	
6	50	6.21	45.72	38.96	23.9	57.29	45.16	35.66	34.09	28.63	22.02	
8	50	6.46	47.88	45.66	31.13	47.8	39.74	16.87	23.36	13.81	10.62	
16	50	5.62	44.02	35.96	21.12	49.42	42.53	24.59	40.31	38.82	37.12	
22	50	9.18	45.19	39.07	25.63	47.92	42.59	30.82	34.58	30.84	28.02	
28	50	6.3	37.62	36.1	23.26	49.57	42.92	28.11	31.09	25.96	23.05	
5	100	5.92	87.07	88.42	64.89	101.01	88.08	68.22	86.6	83.4	77.34	
10	100	6.16	77.9	80.72	61.16	98.92	89.32	66.86	72.1	66.44	58.36	
18	100	9.48	86.93	85.67	66.68	101.8	92.38	74.58	80.78	76.22	74.02	
19	100	10.79	89.07	86.19	63.4	97.6	87.02	65	74.82	69.22	74.02	
21	100	8.67	82.98	77.53	55.45	102.99	88.2	51.72	67.62	63.86	55.16	
26	100	13.13	87.99	86.27	62.59	104.16	92.28	64	63.48	57	51.26	
2	150	14.84	127.94	130.62	101.98	150.84	141.18	107.96	125.36	123.18	111.1	
7	150	16.56	133.02	136.94	106.86	149.72	138.12	117.04	125.5	126.96	111.88	
11	150	14.4	135.42	141.82	109.56	148.52	140.48	108.48	134.54	141	130.86	
15	150	15.52	130.2	134.66	106.16	147.7	141.78	111.28	129.48	121.76	107.8	
24	150	14.8	122.72	122.78	97.74	144.06	136.68	101.38	123.94	120.64	107.22	
27	150	14.36	125.42	128.9	96.92	147.82	140.28	107.94	130.08	126.4	117.06	
1	300	64.36	249.4	269.4	230.2	292.8	295.65	250.45	268.75	269.4	249.1	
12	300	69.52	251.16	277.48	228.4	306.2	296.1	242	255.55	254.45	238.15	
14	300	76.44	252.32	273.48	226.4	305.84	297.25	254.1	264.05	273.9	252.55	
17	300	84.84	245.56	270.48	226.76	303.24	289.95	244.45	255.9	252.15	234.05	
20	300	82.08	251.88	258.52	210.28	302.72	289.95	234.3	275.15	277.7	264	
29	300	48.56	243.52	260.36	210.96	294.92	292.2	264.15	270.7	267.95	249.8	
Nominal SO4 Concentrations mg/L												
		5/16/2013	6/11/2013	6/18/2013	6/25/2013	6/28/2013	7/2/2013	7/16/2013	7/30/2013	8/6/2013	8/13/2013	Growing season mean SO4
0		5.24	5.48	8.08	7.22	8.88	8.39	8.82	5.96	5.44	5.88	7.13
50		6.52	44.79	39.46	24.87	51.08	42.72	27.26	32.89	27.62	23.74	34.93
100		9.03	85.32	84.13	62.36	101.08	89.55	65.06	74.23	69.36	63.15	77.14
150		15.58	129.12	132.62	103.20	148.11	139.75	108.68	128.15	126.66	114.32	125.62
300		70.97	249.97	268.29	222.17	300.95	293.52	248.24	265.02	265.93	247.94	262.34

