

Appendix A

Land Use Categories

File names and descriptions:

Values and class names found in the Land Cover of Illinois 1999-2000 Arc/Info GRID coverage.

<u>Value</u>	<u>Class Names</u>
0	Background
	AGRICULTURAL LAND
11	Corn
12	Soybeans
13	Winter Wheat
14	Other Small Grains & Hay
15	Winter Wheat/Soybeans
16	Other Agriculture
17	Rural Grassland
	FORESTED LAND
21	Upland
25	Partial Canopy/Savannah Upland
26	Coniferous
	URBAN & BUILT-UP LAND
31	High Density
32	Low/Medium Density
35	Urban Open Space
	WETLAND
41	Shallow Marsh/Wet Meadow
42	Deep Marsh
43	Seasonally/Temporally Flooded
44	Floodplain Forest
48	Swamp
49	Shallow Water
	OTHER
51	Surface Water
52	Barren & Exposed Land
53	Clouds
54	Cloud Shadows

Appendix B
SSURGO Soil Series

SSURGO	Description	Square Miles	Percent of Watershed
16	Rushville silt loam	0.01	0.0003%
46	Herrick silt loam	0.14	0.0089%
48	Ebbert silt loam	0.01	0.0010%
50	Viriden silt loam	1.33	0.0869%
112	Cowden silt loam	1.79	0.1173%
120	Huey silt loam	0.06	0.0042%
123	Riverwash	0.02	0.0010%
165	Weir silt loam	0.63	0.0411%
218	Newberry silt loam	0.04	0.0024%
334	Birds silt loam, frequently flooded, long duration	0.08	0.0051%
454	Iva silt loam	0.16	0.0106%
474	Piasa silt loam	0.08	0.0050%
533	Urban land	1.07	0.0700%
536	Dumps, mine	1.73	0.1134%
801	Orthents, silty, undulating	0.03	0.0017%
864	Pits, quarries	0.31	0.0201%
865	Pits, gravel	0.05	0.0033%
866	Dumps, slurry	1.67	0.1096%
941	Viriden-Piasa complex	7.59	0.4967%
993	Cowden-Piasa complex	3.19	0.2089%
995	Herrick-Piasa silt loams	2.24	0.1466%
3070	Beaucoup silt loam, frequently flooded	4.58	0.2999%
3083	Wabash silty clay, frequently flooded	0.09	0.0058%
3288	Petrolia silty clay loam, frequently flooded	1.77	0.1158%
3333	Wakeland silt loam, frequently flooded	1.36	0.0891%
3334	Birds silt loam, frequently flooded	0.40	0.0260%
3402	Colo silt loam, frequently flooded	0.52	0.0340%
3603	Blackoar silt loam, frequently flooded	0.64	0.0417%
7026	Wagner silt loam, rarely flooded	0.73	0.0480%
7084	Okaw silt loam, rarely flooded	0.31	0.0204%
7466	Bartelso silt loam, rarely flooded	1.14	0.0744%
7468	Lakaskia silt loam, rarely flooded	0.58	0.0379%
8000	Hickory silty clay loam, 18 to 25 percent slopes, severely eroded	1.60	0.1050%
8109	Raccoon silt loam, occasionally flooded	0.57	0.0370%
79000	Menfro silty clay loam, 18 to 25 percent slopes, severely eroded	0.52	0.0338%
851000	Menfro-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded	0.92	0.0599%
886000	Ruma-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded	1.17	0.0769%
1070L	Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded	0.22	0.0145%
109A	Raccoon silt loam, 0 to 2 percent slopes	0.39	0.0253%
112A	Cowden silt loam, 0 to 2 percent slopes	7.85	0.5139%
113A	Oconee silt loam, 0 to 2 percent slopes	16.65	1.0894%
113B	Oconee silt loam, 2 to 5 percent slopes	15.43	1.0101%
113B2	Oconee silt loam, 2 to 5 percent slopes, eroded	0.75	0.0493%
119C2	Elco silt loam, 5 to 10 percent slopes, eroded	0.02	0.0011%
119C3	Elco silty clay loam, 5 to 10 percent slopes, severely eroded	4.74	0.3104%
119D2	Elco silt loam, 10 to 18 percent slopes, eroded	1.66	0.1085%
119D3	Elco silty clay loam, 10 to 15 percent slopes, severely eroded	2.08	0.1359%
120A	Huey silt loam, 0 to 2 percent slopes	1.78	0.1162%
122B	Colp silt loam, 2 to 5 percent slopes	0.98	0.0639%
122C2	Colp silt loam, 5 to 10 percent slopes, eroded	1.70	0.1112%
122C3	Colp silty clay loam, 5 to 10 percent slopes, severely eroded	1.56	0.1019%
127A	Harrison silt loam, 0 to 2 percent slopes	0.01	0.0009%
127B	Harrison silt loam, 2 to 5 percent slopes	2.67	0.1745%
1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	3.65	0.2390%
1288L	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded, long duration	1.82	0.1191%
128B	Douglas silt loam, 2 to 5 percent slopes	0.14	0.0093%
12A	Wynoose silt loam, 0 to 2 percent slopes	0.01	0.0009%
1334A	Birds silt loam, undrained, 0 to 2 percent slopes, frequently flooded	5.57	0.3647%
13A	Bluford silt loam, 0 to 2 percent slopes	0.01	0.0007%
1457L	Booker clay, undrained, 0 to 2 percent slopes, occasionally flooded, long duration	0.34	0.0219%
15C2	Parke silt loam, 5 to 10 percent slopes, eroded	0.06	0.0037%
164A	Stoy silt loam, 0 to 2 percent slopes	1.51	0.0988%
164B	Stoy silt loam, 2 to 5 percent slopes	0.41	0.0271%

SSURGO	Description	Square Miles	Percent of Watershed
164B2	Stoy silt loam, 2 to 5 percent slopes, eroded	0.08	0.0049%
165A	Weir silt loam, 0 to 2 percent slopes	0.48	0.0315%
16A	Rushville silt loam, 0 to 2 percent slopes	0.05	0.0033%
184B	Roby fine sandy loam, 2 to 5 percent slopes	0.39	0.0256%
2079D	Menfro-Orthents-Urban land complex, 8 to 15 percent slopes	1.03	0.0673%
2079E	Menfro-Urban land complex, 15 to 25 percent slopes	0.62	0.0408%
216G	Stookey silt loam, 35 to 70 percent slopes	0.34	0.0221%
2384B	Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes	4.38	0.2868%
2477B	Winfield-Orthents-Urban land complex, 2 to 8 percent slopes	6.01	0.3935%
250D	Velma silt loam, 10 to 18 percent slopes	0.01	0.0008%
267A	Caseyville silt loam, 0 to 2 percent slopes	8.53	0.5584%
267B	Caseyville silt loam, 2 to 5 percent slopes	3.91	0.2557%
283B	Downsouth silt loam, 2 to 5 percent slopes	4.76	0.3112%
283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded	1.89	0.1240%
287A	Chauncey silt loam, 0 to 2 percent slopes	0.09	0.0059%
2A	Cisne silt loam, 0 to 2 percent slopes	2.62	0.1712%
3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded	2.50	0.1633%
3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	1.24	0.0812%
3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration	0.25	0.0162%
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded	1.65	0.1078%
3083L	Wabash silty clay, 0 to 2 percent slopes, frequently flooded, long duration	2.35	0.1541%
3085L	Jacob silty clay, 0 to 2 percent slopes, frequently flooded, long duration	0.52	0.0340%
30G	Hamburg silt loam, 35 to 70 percent slopes	0.02	0.0014%
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded	0.07	0.0047%
3131A	Alvin silt loam, 0 to 2 percent slopes, frequently flooded	0.05	0.0031%
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded	2.95	0.1928%
31A	Pierron silt loam, 0 to 2 percent slopes	15.27	0.9996%
3226A	Wirt silt loam, 0 to 2 percent slopes, frequently flooded	0.24	0.0158%
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded	0.25	0.0163%
3288L	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	11.68	0.7641%
3304A	Landes fine sandy loam, 0 to 2 percent slopes, frequently flooded	0.07	0.0045%
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	74.77	4.8934%
3333L	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration	3.97	0.2596%
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded	18.90	1.2372%
3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration	9.33	0.6105%
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded	12.17	0.7968%
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded	0.53	0.0346%
338A	Hurst silt loam, 0 to 2 percent slopes	3.61	0.2361%
338B	Hurst silt loam, 2 to 5 percent slopes	2.41	0.1576%
3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded	0.16	0.0105%
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded	7.06	0.4623%
3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded	2.21	0.1447%
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded	2.03	0.1327%
3646A	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	1.82	0.1192%
3847L	Fluvaquents-Orthents complex, frequently flooded, long duration	2.20	0.1438%
384A	Edwardsville silt loam, 0 to 2 percent slopes	18.26	1.1948%
384B	Edwardsville silt loam, 2 to 5 percent slopes	4.14	0.2708%
385A	Mascoutah silty clay loam, 0 to 2 percent slopes	9.67	0.6332%
3A	Hoyleton silt loam, 0 to 2 percent slopes	0.20	0.0131%
3B	Hoyleton silt loam, 2 to 5 percent slopes	1.01	0.0661%
3B2	Hoyleton silt loam, 2 to 5 percent slopes, eroded	0.25	0.0164%
423A	Millstadt silt loam, 0 to 2 percent slopes	11.66	0.7633%
423B	Millstadt silt loam, 2 to 5 percent slopes	2.90	0.1898%
432B	Geff silt loam, 2 to 5 percent slopes	0.26	0.0170%
433A	Floraville silt loam, 0 to 2 percent slopes	2.96	0.1940%
437B	Redbud silt loam, 2 to 5 percent slopes	7.32	0.4787%
437C2	Redbud silt loam, 5 to 10 percent slopes, eroded	3.53	0.2313%
437D	Redbud silt loam, 10 to 18 percent slopes	0.58	0.0376%
437D3	Redbud silty clay loam, 10 to 18 percent slopes, severely eroded	4.93	0.3227%
438B	Aviston silt loam, 2 to 5 percent slopes	8.22	0.5379%
438C2	Aviston silt loam, 5 to 10 percent slopes, eroded	2.25	0.1473%
441B	Wakenda silt loam, 2 to 5 percent slopes	3.63	0.2377%
441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded	3.13	0.2050%

SSURGO	Description	Square Miles	Percent of Watershed
453B2	Muren silt loam, 2 to 5 percent slopes, eroded	0.06	0.0042%
466A	Bartelso silt loam, 0 to 2 percent slopes	4.90	0.3208%
467D2	Markland silty clay loam, 10 to 18 percent slopes, eroded	2.05	0.1343%
468A	Lakaskia silt loam, 0 to 2 percent slopes	5.70	0.3728%
46A	Herrick silt loam, 0 to 2 percent slopes	38.49	2.5189%
470B2	Keller silt loam, 2 to 5 percent slopes, eroded	0.12	0.0081%
474A	Piasa silt loam, 0 to 2 percent slopes	3.56	0.2332%
477B	Winfield silt loam, 2 to 5 percent slopes	45.25	2.9616%
477B2	Winfield silt loam, 2 to 5 percent slopes, eroded	0.94	0.0618%
477B3	Winfield silty clay loam, 2 to 5 percent slopes, severely eroded	0.04	0.0029%
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded	14.58	0.9545%
477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded	3.99	0.2612%
477D3	Winfield silty clay loam, 10 to 18 percent slopes, severely eroded	1.81	0.1183%
48A	Ebbert silt loam, 0 to 2 percent slopes	0.21	0.0138%
491B	Ruma silt loam, 2 to 5 percent slopes	11.48	0.7514%
491B2	Ruma silty clay loam, 2 to 5 percent slopes, eroded	1.89	0.1240%
491C2	Ruma silt loam, 5 to 10 percent slopes, eroded	6.63	0.4336%
491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded	2.90	0.1896%
491D	Ruma silt loam, 10 to 18 percent slopes	0.04	0.0024%
491D2	Ruma silt loam, 10 to 18 percent slopes, eroded	2.13	0.1392%
491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded	6.74	0.4408%
4B	Richview silt loam, 1 to 5 percent slopes	0.09	0.0056%
4C2	Richview silt loam, 5 to 10 percent slopes, eroded	0.10	0.0063%
5079B2	Menfro silt loam, karst, 2 to 5 percent slopes, eroded	1.88	0.1230%
5079C3	Menfro silt loam, karst, 4 to 12 percent slopes, severely eroded	3.36	0.2199%
5079D2	Menfro silt loam, karst, 12 to 25 percent slopes, eroded	1.02	0.0669%
5079D3	Menfro silt loam, karst, 12 to 25 percent slopes, severely eroded	5.63	0.3686%
5079G	Menfro silt loam, karst, 25 to 60 percent slopes	2.41	0.1577%
50A	Virden silt loam, 0 to 2 percent slopes	9.11	0.5960%
515B3	Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded	1.45	0.0947%
515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded	6.71	0.4392%
515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded	32.79	2.1463%
515D	Bunkum silt loam, 10 to 18 percent slopes	1.27	0.0829%
515D2	Bunkum silt loam, 10 to 18 percent slopes, eroded	0.78	0.0509%
515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded	26.98	1.7657%
517A	Marine silt loam, 0 to 2 percent slopes	64.16	4.1989%
517B	Marine silt loam, 2 to 4 percent slopes	59.85	3.9168%
53B	Bloomfield loamy fine sand, 2 to 5 percent slopes	0.36	0.0239%
53D2	Bloomfield loamy fine sand, 10 to 18 percent slopes, eroded	0.31	0.0201%
5491C3	Ruma silty clay loam, karst, 5 to 12 percent slopes, severely eroded	2.44	0.1595%
5491D2	Ruma silt loam, karst, 12 to 25 percent slopes, eroded	0.30	0.0196%
5491D3	Ruma silty clay loam, karst, 12 to 25 percent slopes, severely eroded	2.23	0.1457%
5491G	Ruma silt loam, karst, 25 to 60 percent slopes	2.26	0.1477%
5582B	Homen silt loam, karst, 2 to 5 percent slopes	1.00	0.0656%
5582C2	Homen silt loam, karst, 5 to 12 percent slopes, eroded	0.51	0.0331%
570B	Martinsville silt loam, 2 to 5 percent slopes	1.10	0.0722%
570D2	Martinsville fine sandy loam, 10 to 18 percent slopes, eroded	1.89	0.1235%
571B	Whitaker silt loam, 2 to 5 percent slopes	0.86	0.0562%
581B	Tamalco silt loam, 2 to 5 percent slopes	0.05	0.0032%
581B2	Tamalco silt loam, 1 to 5 percent slopes, eroded	1.82	0.1189%
582B	Homen silt loam, 2 to 5 percent slopes	62.67	4.1017%
582B2	Homen silt loam, 2 to 5 percent slopes, eroded	2.77	0.1814%
582C2	Homen silt loam, 5 to 10 percent slopes, eroded	23.43	1.5335%
582C3	Homen silty clay loam, 5 to 10 percent slopes, severely eroded	0.17	0.0110%
583B	Pike silt loam, 2 to 5 percent slopes	0.05	0.0032%
585D	Negley silt loam, 10 to 15 percent slopes	0.00	0.0003%
585F	Negley loam, 18 to 35 percent slopes	0.39	0.0254%
585F2	Negley loam, 18 to 35 percent slopes, eroded	1.52	0.0994%
5C2	Blair silt loam, 5 to 10 percent slopes, eroded	5.84	0.3824%
5C3	Blair silt loam, 5 to 10 percent slopes, severely eroded	9.21	0.6024%
5D	Blair silt loam, 10 to 18 percent slopes	0.58	0.0381%
5D2	Blair silt loam, 10 to 18 percent slopes, eroded	0.08	0.0050%
5D3	Blair silt loam, 10 to 18 percent slopes, severely eroded	2.78	0.1822%

SSURGO	Description	Square Miles	Percent of Watershed
620A	Darmstadt silt loam, 0 to 2 percent slopes	0.18	0.0115%
620B3	Darmstadt silty clay loam, 2 to 5 percent slopes, severely eroded	0.12	0.0079%
657A	Burksville silt loam, 0 to 2 percent slopes	11.47	0.7507%
658F	Sonsac flaggy silt loam, 18 to 35 percent slopes	0.02	0.0014%
690F	Brookside silty clay loam, 18 to 35 percent slopes, stony	0.86	0.0565%
690G	Brookside silty clay loam, 35 to 60 percent slopes, bouldery	0.37	0.0243%
6B2	Fishhook silt loam, 2 to 5 percent slopes, eroded	0.16	0.0107%
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	0.14	0.0091%
701F	Menfro-Hickory silt loams, 18 to 35 percent slopes	0.76	0.0496%
702F	Ruma-Hickory silt loams, 18 to 35 percent slopes	1.45	0.0952%
703A	Pierron-Burksville silt loams, 0 to 2 percent slopes	3.64	0.2381%
7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded	0.66	0.0434%
7122B2	Colp silt loam, 2 to 5 percent slopes, eroded, rarely flooded	0.97	0.0637%
7337A	Creal silt loam, 0 to 2 percent slopes, rarely flooded	0.24	0.0156%
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded	2.98	0.1949%
7338B2	Hurst silt loam, 2 to 5 percent slopes, eroded, rarely flooded	0.26	0.0173%
7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded	0.09	0.0059%
7432A	Geff silt loam, 0 to 2 percent slopes, rarely flooded	0.07	0.0044%
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded	0.03	0.0017%
7434B2	Ridgway silt loam, 2 to 5 percent slopes, eroded, rarely flooded	0.51	0.0334%
7436B	Meadowbank silt loam, 2 to 5 percent slopes, rarely flooded	0.44	0.0286%
75B	Drury silt loam, 2 to 5 percent slopes	0.00	0.0001%
75C	Drury silt loam, 5 to 10 percent slopes	0.14	0.0092%
790A	Herrick-Biddle silt loams, 0 to 2 percent slopes	0.01	0.0005%
796A	Huey-Burksville silt loams, 0 to 2 percent slopes	0.78	0.0511%
797D3	Hickory-Homen silty clay loams, 10 to 18 percent slopes, severely eroded	0.12	0.0080%
79B	Menfro silt loam, 2 to 5 percent slopes	23.02	1.5064%
79B2	Menfro silt loam, 2 to 5 percent slopes, eroded	1.13	0.0738%
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded	15.84	1.0367%
79C3	Menfro silt clay loam, 5 to 10 percent slopes, severely eroded	5.91	0.3867%
79D	Menfro silt loam, 10 to 18 percent slopes	0.60	0.0395%
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded	5.97	0.3909%
79D3	Menfro silt loam, 10 to 18 percent slopes, severely eroded	8.39	0.5494%
79F	Menfro silt loam, 18 to 35 percent slopes	8.05	0.5272%
79F3	Menfro silty clay loam, 18 to 35 percent slopes, severely eroded	2.33	0.1525%
79G	Menfro silt loam, 35 to 60 percent slopes	0.21	0.0137%
7D3	Atlas silty clay loam, 10 to 18 percent slopes, severely eroded	6.65	0.4350%
801B	Orthents, silty, undulating	0.92	0.0604%
801D	Orthents, silty, steep	1.59	0.1042%
8026A	Wagner silt loam, 0 to 2 percent slopes, occasionally flooded	0.67	0.0438%
802B	Orthents, loamy, undulating	4.90	0.3206%
802D	Orthents, loamy, hilly	4.47	0.2924%
8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	0.43	0.0281%
8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded	0.19	0.0123%
8084A	Okaw silt loam, 0 to 2 percent slopes, occasionally flooded	7.60	0.4972%
8085L	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	1.98	0.1296%
8109A	Racoon silt loam, 0 to 2 percent slopes, occasionally flooded	0.98	0.0638%
8122B	Colp silt loam, 2 to 5 percent slopes, occasionally flooded	0.20	0.0128%
8122C3	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, occasionally flooded	0.85	0.0557%
8122D3	Colp silty clay loam, 10 to 18 percent slopes, severely eroded, occasionally flooded	3.23	0.2115%
8131B	Alvin fine sandy loam, 2 to 5 percent slopes, occasionally flooded	0.86	0.0561%
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded	0.49	0.0322%
821G	Morristown channery silt loam, 12 to 60 percent slopes	5.37	0.3512%
823B	Schuline silt loam, 1 to 5 percent slopes	0.44	0.0285%
823C	Schuline silt loam, 5 to 10 percent slopes	0.31	0.0204%
824B	Swanwick silt loam, 1 to 5 percent slopes	1.67	0.1090%
824C	Swanwick silt loam, 5 to 10 percent slopes	3.28	0.2146%
825B	Lenzburg silty clay loam, acid substratum, 1 to 7 percent slopes	1.37	0.0899%
826D	Orthents, silty, acid substratum, rolling	0.37	0.0243%
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded	0.02	0.0012%
8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded	0.63	0.0410%
8338A	Hurst silt loam, 0 to 2 percent slopes, occasionally flooded	1.25	0.0819%
8338B	Hurst silt loam, 2 to 5 percent slopes, occasionally flooded	0.50	0.0325%

SSURGO	Description	Square Miles	Percent of Watershed
8338B2	Hurst silt loam, 2 to 5 percent slopes, eroded, occasionally flooded	1.69	0.1106%
8338C2	Hurst silty clay loam, 5 to 10 percent slopes, eroded, occasionally flooded	2.53	0.1653%
8432A	Geff silt loam, 0 to 2 percent slopes, occasionally flooded	1.13	0.0739%
8434B	Ridgway silt loam, 2 to 5 percent slopes, occasionally flooded	0.67	0.0438%
8436B	Meadowbank silt loam, 2 to 5 percent slopes, occasionally flooded	0.75	0.0489%
8457L	Booker clay, 0 to 2 percent clay, occasionally flooded, long duration	1.24	0.0811%
8489A	Hurst silt loam, sandy substratum, 0 to 2 percent slopes, occasionally flooded	0.87	0.0572%
84A	Okaw silt loam, 0 to 2 percent slopes	2.27	0.1483%
851F	Menfro-Ursa silt loams, 18 to 35 percent slopes	4.00	0.2620%
851G	Ursa-Menfro silt loams, 35 to 60 percent slopes	1.22	0.0799%
8524L	Zipp silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	1.66	0.1090%
852F	Menfro-Wellston silt loam, 18 to 35 percent slopes	0.01	0.0010%
854F	Menfro-Westmore silt loams, 18 to 35 percent slopes	0.51	0.0331%
855F	Ruma-Westmore silt loams, 18 to 35 percent slopes	0.04	0.0029%
8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded	0.25	0.0163%
860D	Homen-Atlas silt loams, 10 to 18 percent slopes	0.81	0.0533%
860D3	Homen-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	4.36	0.2852%
8646A	Fluvaquents, loamy, 0 to 2 percent slopes, occasionally flooded	0.39	0.0257%
8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded	0.31	0.0201%
871B	Lenzburg gravelly silty clay loam, 1 to 7 percent slopes, stony	4.04	0.2647%
871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes, stony	7.08	0.4633%
871G	Lenzburg gravelly silty clay loam, 18 to 70 percent slopes, stony	6.97	0.4562%
8787A	Banlic silt loam, 0 to 2 percent slopes, occasionally flooded	3.32	0.2174%
878C2	Coulterville-Grantfork silt loams, 5 to 10 percent slopes, eroded	0.34	0.0224%
878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded	18.60	1.2171%
880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded	26.72	1.7489%
8812F	Typic Hapludalfs, 18 to 35 percent slopes, occasionally flooded	0.26	0.0173%
882A	Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes	46.40	3.0366%
882B	Oconee-Darmstadt-Coulterville silt loams, 2 to 5 percent slopes	22.28	1.4580%
882B2	Oconee-Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded	0.28	0.0181%
884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded	11.88	0.7774%
884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded	23.17	1.5164%
884D3	Bunkum-Coulterville silty clay loams, 10 to 18 percent slopes, severely eroded	1.69	0.1108%
885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes	34.91	2.2844%
886F	Ruma-Ursa silt loams, 18 to 35 percent slopes	4.92	0.3217%
886F3	Ruma-Ursa silty clay loams, 18 to 35 percent slopes, severely eroded	5.87	0.3840%
894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes	31.52	2.0628%
897C2	Bunkum-Atlas silt loams, 5 to 10 percent slopes, eroded	0.51	0.0334%
897C3	Bunkum-Atlas silty clay loams, 5 to 10 percent slopes, severely eroded	0.10	0.0064%
897D2	Bunkum-Atlas silt loams, 10 to 18 percent slopes, eroded	0.19	0.0123%
897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	13.93	0.9118%
8D	Hickory silt loam, 10 to 18 percent slopes	0.04	0.0023%
8D2	Hickory loam, 10 to 15 percent slopes, eroded	2.57	0.1681%
8D3	Hickory clay loam, 10 to 15 percent slopes, severely eroded	3.87	0.2530%
8F	Hickory loam, 15 to 30 percent slopes	15.48	1.0132%
8F2	Hickory loam, 18 to 35 percent slopes, eroded	9.21	0.6026%
8F3	Hickory clay loam, 18 to 35 percent slopes, severely eroded	1.22	0.0800%
8G	Hickory silt loam, 35 to 60 percent slopes	1.69	0.1106%
906C3	Redbud-Hurst silty clay loams, 5 to 10 percent slopes, severely eroded	1.48	0.0966%
907D3	Redbud-Colp silty clay loams, 10 to 18 percent slopes, severely eroded	2.85	0.1868%
908F	Hickory-Kell silt loams, 18 to 35 percent slopes	2.40	0.1573%
908F3	Hickory-Kell clay loams, 18 to 35 percent slopes, severely eroded	0.33	0.0216%
908G	Kell-Hickory silt loams, 35 to 70 percent slopes	0.90	0.0587%
909A	Coulterville-Oconee silt loams, 0 to 2 percent slopes	10.95	0.7166%
909B	Coulterville-Oconee silt loams, 2 to 5 percent slopes	6.49	0.4244%
90A	Bethalto silt loam, 0 to 2 percent slopes	8.18	0.5351%
912A	Hoyleton-Darmstadt complex, 0 to 2 percent slopes	0.31	0.0202%
912B2	Hoyleton-Darmstadt complex, 2 to 5 percent slopes, eroded	0.89	0.0581%
914C3	Atlas-Grantfork silty clay loams, 4 to 10 percent slopes, severely eroded	2.73	0.1784%
914D3	Atlas-Grantfork silty clay loams, 10 to 18 percent slopes, severely eroded	1.25	0.0819%
916A	Oconee-Darmstadt complex, 0 to 2 percent slopes	5.17	0.3382%
916B2	Oconee-Darmstadt complex, 2 to 5 percent slopes, eroded	1.44	0.0940%
927D3	Blair-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	0.09	0.0057%

SSURGO	Description	Square Miles	Percent of Watershed
934C2	Blair-Grantfork complex, 5 to 10 percent slopes, eroded	0.20	0.0128%
934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded	0.86	0.0560%
962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded	0.38	0.0252%
962G	Sylvan-Bold silt loams, 35 to 60 percent slopes	0.21	0.0138%
967F	Hickory-Gosport complex, 15 to 30 percent slopes	0.44	0.0288%
977G	Neotoma-Wellston complex, 35 to 60 percent slopes	0.11	0.0074%
988F	Westmore-Neotoma complex, 18 to 35 percent slopes	3.47	0.2271%
991A	Cisne-Huey silt loams, 0 to 2 percent slopes	0.13	0.0085%
993A	Cowden-Piasa silt loams, 0 to 2 percent slopes	60.88	3.9844%
M-W	Miscellaneous water	0.05	0.0031%
W	Water	35.75	2.3396%
		1527.99	100.0000%

Appendix C

Historical Water Quality Data

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04		7/16/2008	9:40:00	Water	Alkalinity, Carbonate as CaCO3	Total	185	mg/l			
OC-04		8/19/2008	11:00:00	Water	Alkalinity, Carbonate as CaCO3	Total	190	mg/l			
OC-04		9/29/2008	10:00:00	Water	Alkalinity, Carbonate as CaCO3	Total	185	mg/l			
OC-04		10/4/2007	11:00:00	Water	Aluminum	Dissolved	ND	ug/l	X,ND		
OC-04		10/4/2007	11:00:00	Water	Aluminum	Total	794	ug/l	X		
OC-04		7/16/2008	9:40:00	Water	Aluminum	Dissolved	ND	ug/l	ND		
OC-04		7/16/2008	9:40:00	Water	Aluminum	Total	948	ug/l	J3		
OC-04		8/19/2008	11:00:00	Water	Aluminum	Dissolved	34.8	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Aluminum	Total	704	ug/l			
OC-04		9/29/2008	10:00:00	Water	Aluminum	Dissolved	ND	ug/l	ND		
OC-04		9/29/2008	10:00:00	Water	Aluminum	Total	639	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Aluminum	Total	1050	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Aluminum	Total	612	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Aluminum	Total	285	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Aluminum	Total	1690	ug/l			
O-30	O 30	4-Jan-90	1000	Water	AMMONIA, UNIONIZED		0.000834675	mg/L	\$		
O-30	O 30	1-Feb-90	1000	Water	AMMONIA, UNIONIZED		0.00132409	mg/L	\$		
O-30	O 30	19-Mar-90	1000	Water	AMMONIA, UNIONIZED		0.00209907	mg/L	\$		
O-30	O 30	25-Apr-90	1000	Water	AMMONIA, UNIONIZED		0.00125399	mg/L	\$		
O-30	O 30	6-Jun-90	1000	Water	AMMONIA, UNIONIZED		0.000539039	mg/L	\$		
O-30	O 30	17-Jul-90	1000	Water	AMMONIA, UNIONIZED		0.00210483	mg/L	\$		
O-30	O 30	12-Sep-90	1000	Water	AMMONIA, UNIONIZED		0.00710628	mg/L	\$		
O-30	O 30	23-Oct-90	1000	Water	AMMONIA, UNIONIZED		0.00151307	mg/L	\$		
O-30	O 30	10-Dec-90	1000	Water	AMMONIA, UNIONIZED		0.0043283	mg/L	\$		
O-30	O 30	14-Jan-91	1000	Water	AMMONIA, UNIONIZED		0.000475599	mg/L	\$		
O-30	O 30	27-Feb-91	1000	Water	AMMONIA, UNIONIZED		0.00165739	mg/L	\$		
O-30	O 30	1-Apr-91	1000	Water	AMMONIA, UNIONIZED		0.00209374	mg/L	\$		
O-30	O 30	15-May-91	1000	Water	AMMONIA, UNIONIZED		0.0219673	mg/L	\$		
O-30	O 30	18-Jun-91	1000	Water	AMMONIA, UNIONIZED		0.0117023	mg/L	\$		
O-30	O 30	1-Aug-91	1000	Water	AMMONIA, UNIONIZED		0.000653563	mg/L	\$		
O-30	O 30	24-Sep-91	1000	Water	AMMONIA, UNIONIZED		0.00104161	mg/L	\$		
O-30	O 30	12-Nov-91	1000	Water	AMMONIA, UNIONIZED		0.00157259	mg/L	\$		
O-30	O 30	17-Dec-91	1000	Water	AMMONIA, UNIONIZED		0.00201131	mg/L	\$		
O-30	O 30	13-Jan-92	1000	Water	AMMONIA, UNIONIZED		0.00163428	mg/L	\$		
O-30	O 30	18-Feb-92	1000	Water	AMMONIA, UNIONIZED		0.00209119	mg/L	\$		
O-30	O 30	30-Mar-92	1000	Water	AMMONIA, UNIONIZED		0.00293555	mg/L	\$		
O-30	O 30	29-Apr-92	1000	Water	AMMONIA, UNIONIZED		0.00226695	mg/L	\$		
O-30	O 30	11-Jun-92	1000	Water	AMMONIA, UNIONIZED		0.00303115	mg/L	\$		
O-30	O 30	13-Aug-92	1000	Water	AMMONIA, UNIONIZED		0.0067782	mg/L	\$		
O-30	O 30	15-Sep-92	1000	Water	AMMONIA, UNIONIZED		0.00392537	mg/L	\$		
O-30	O 30	2-Nov-92	700	Water	AMMONIA, UNIONIZED		0.00340236	mg/L	\$		
O-30	O 30	3-Dec-92	1000	Water	AMMONIA, UNIONIZED		0.000392992	mg/L	\$		
O-30	O 30	14-Jan-93	1000	Water	AMMONIA, UNIONIZED		0.000380721	mg/L	\$		
O-30	O 30	24-Feb-93	1000	Water	AMMONIA, UNIONIZED		0.00117678	mg/L	\$		
O-30	O 30	27-Apr-93	1100	Water	AMMONIA, UNIONIZED		0.000658162	mg/L	\$		
O-30	O 30	24-May-93	1000	Water	AMMONIA, UNIONIZED		0.00213651	mg/L	\$		
O-30	O 30	23-Jun-93	1000	Water	AMMONIA, UNIONIZED		0.00145012	mg/L	\$		
O-30	O 30	9-Aug-93	1000	Water	AMMONIA, UNIONIZED		0.0013227	mg/L	\$		
O-30	O 30	20-Sep-93	1000	Water	AMMONIA, UNIONIZED		0.0020714	mg/L	\$		
O-30	O 30	6-Oct-93	1000	Water	AMMONIA, UNIONIZED		0.00165426	mg/L	\$		
O-30	O 30	23-Nov-93	1000	Water	AMMONIA, UNIONIZED		0.000452088	mg/L	\$		
O-30	O 30	31-Jan-94	1000	Water	AMMONIA, UNIONIZED		0.00435751	mg/L	\$		
O-30	O 30	28-Feb-94	1000	Water	AMMONIA, UNIONIZED		0.00219116	mg/L	\$		
O-30	O 30	30-Mar-94	1000	Water	AMMONIA, UNIONIZED		0.00758918	mg/L	\$		
O-30	O 30	18-May-94	1000	Water	AMMONIA, UNIONIZED		0.00181726	mg/L	\$		
O-30	O 30	2-Jun-94	1000	Water	AMMONIA, UNIONIZED		0.00270715	mg/L	\$		
O-30	O 30	13-Jul-94	900	Water	AMMONIA, UNIONIZED		0.00623866	mg/L	\$		
O-30	O 30	28-Sep-94	900	Water	AMMONIA, UNIONIZED		0.0127393	mg/L	\$		
O-30	O 30	9-Nov-94	1000	Water	AMMONIA, UNIONIZED		0.000210579	mg/L	\$		
O-30	O 30	14-Dec-94	1000	Water	AMMONIA, UNIONIZED		0.000101189	mg/L	\$		
O-30	O 30	18-Jan-95	1000	Water	AMMONIA, UNIONIZED		0.000690974	mg/L	\$		
O-30	O 30	16-Feb-95	1000	Water	AMMONIA, UNIONIZED		0.000570338	mg/L	\$		
O-30	O 30	22-Mar-95	1100	Water	AMMONIA, UNIONIZED		0.00229186	mg/L	\$		
O-30	O 30	15-May-95	1000	Water	AMMONIA, UNIONIZED		0.00129865	mg/L	\$		
O-30	O 30	14-Jun-95	1000	Water	AMMONIA, UNIONIZED		0.00180093	mg/L	\$		
O-30	O 30	21-Jul-95	1000	Water	AMMONIA, UNIONIZED		0.000125497	mg/L	\$		
O-30	O 30	5-Sep-95	1000	Water	AMMONIA, UNIONIZED		0.00601483	mg/L	\$		
O-30	O 30	7-Nov-95	900	Water	AMMONIA, UNIONIZED		0.000136988	mg/L	\$		
O-30	O 30	13-Dec-95	1000	Water	AMMONIA, UNIONIZED		6.53346E-06	mg/L	\$		
O-30	O 30	24-Jan-96	1000	Water	AMMONIA, UNIONIZED		0.0042251	mg/L	\$		
O-30	O 30	20-Feb-96	1000	Water	AMMONIA, UNIONIZED		0.00110414	mg/L	\$		
O-30	O 30	27-Mar-96	1000	Water	AMMONIA, UNIONIZED		0.000203595	mg/L	\$		
O-30	O 30	24-Apr-96	1000	Water	AMMONIA, UNIONIZED		0.00201053	mg/L	\$		
O-30	O 30	3-Jun-96	1000	Water	AMMONIA, UNIONIZED		0.000142301	mg/L	\$		
O-30	O 30	15-Jul-96	1000	Water	AMMONIA, UNIONIZED		0.00145012	mg/L	\$		
O-30	O 30	26-Aug-96	1000	Water	AMMONIA, UNIONIZED		0.00016865	mg/L	\$		
O-30	O 30	16-Oct-96	900	Water	AMMONIA, UNIONIZED		4.47793E-05	mg/L	\$		
O-30	O 30	13-Nov-96	900	Water	AMMONIA, UNIONIZED		0.000508777	mg/L	\$		
O-30	O 30	13-Jan-97	900	Water	AMMONIA, UNIONIZED		0.000143765	mg/L	\$		
O-30	O 30	19-Feb-97	900	Water	AMMONIA, UNIONIZED		0.0160784	mg/L	\$		
O-30	O 30	31-Mar-97	900	Water	AMMONIA, UNIONIZED		0.00251218	mg/L	\$		
O-30	O 30	3-Jun-97	1000	Water	AMMONIA, UNIONIZED		0.00396011	mg/L	\$		
O-30	O 30	7-Jul-97	900	Water	AMMONIA, UNIONIZED		0.00396328	mg/L	\$		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	12-Aug-97	900	Water	AMMONIA, UNIONIZED		0.00530942	mg/L	\$		
O-30	O 30	10-Sep-97	900	Water	AMMONIA, UNIONIZED		0.0125383	mg/L	\$		
O-30	O 30	12-Nov-97	900	Water	AMMONIA, UNIONIZED		0.00125922	mg/L	\$		
O-30	O 30	10-Dec-97	900	Water	AMMONIA, UNIONIZED		0.000200313	mg/L	\$		
O-30	O 30	15-Jan-98	900	Water	AMMONIA, UNIONIZED		0.000225348	mg/L	\$		
O-30	O 30	17-Feb-98	900	Water	AMMONIA, UNIONIZED		0.0112455	mg/L	\$		
O-30	O 30	26-Mar-98	900	Water	AMMONIA, UNIONIZED		0.00657397	mg/L	\$		
O-30	O 30	11-May-98	900	Water	AMMONIA, UNIONIZED		0.00584076	mg/L	\$		
O-30	O 30	8-Jun-98	900	Water	AMMONIA, UNIONIZED		0.00251533	mg/L	\$		
O-30	O 30	15-Jul-98	900	Water	AMMONIA, UNIONIZED		0.000387389	mg/L	\$		
O-30	O 30	24-Aug-98	900	Water	AMMONIA, UNIONIZED		0.0011288	mg/L	\$		
O-30	O 30	7-Oct-98	900	Water	AMMONIA, UNIONIZED		0.00194734	mg/L	\$		
O-30	O 30	18-Nov-98	900	Water	AMMONIA, UNIONIZED		0.00182132	mg/L	\$		
OB-03	OB 03	9-Jul-96	1400	Water	AMMONIA, UNIONIZED		0.000448089	mg/L	\$		
OB-03	OB 03	15-Nov-96	1200	Water	AMMONIA, UNIONIZED		1.39548E-05	mg/L	\$		
OC-04	OC 04	29-Jan-90	1000	Water	AMMONIA, UNIONIZED		0.00332795	mg/L	\$		
OC-04	OC 04	21-Mar-90	1000	Water	AMMONIA, UNIONIZED		0.0310388	mg/L	\$		
OC-04	OC 04	24-Apr-90	1000	Water	AMMONIA, UNIONIZED		0.00290149	mg/L	\$		
OC-04	OC 04	4-Jun-90	1000	Water	AMMONIA, UNIONIZED		0.00661655	mg/L	\$		
OC-04	OC 04	11-Jul-90	1000	Water	AMMONIA, UNIONIZED		0.0059237	mg/L	\$		
OC-04	OC 04	29-Aug-90	1000	Water	AMMONIA, UNIONIZED		0.0135876	mg/L	\$		
OC-04	OC 04	1-Oct-90	1100	Water	AMMONIA, UNIONIZED		0.00290373	mg/L	\$		
OC-04	OC 04	19-Nov-90	1000	Water	AMMONIA, UNIONIZED		0.00676518	mg/L	\$		
OC-04	OC 04	15-Jan-91	1100	Water	AMMONIA, UNIONIZED		0.00152232	mg/L	\$		
OC-04	OC 04	5-Mar-91	1000	Water	AMMONIA, UNIONIZED		0.00137193	mg/L	\$		
OC-04	OC 04	3-Apr-91	1000	Water	AMMONIA, UNIONIZED		0.00462646	mg/L	\$		
OC-04	OC 04	22-May-91	1000	Water	AMMONIA, UNIONIZED		0.0772684	mg/L	\$		
OC-04	OC 04	17-Jun-91	1000	Water	AMMONIA, UNIONIZED		0.0118892	mg/L	\$		
OC-04	OC 04	24-Jul-91	1000	Water	AMMONIA, UNIONIZED		0.00797349	mg/L	\$		
OC-04	OC 04	28-Aug-91	1000	Water	AMMONIA, UNIONIZED		0.0476652	mg/L	\$		
OC-04	OC 04	7-Oct-91	1000	Water	AMMONIA, UNIONIZED		0.00167956	mg/L	\$		
OC-04	OC 04	21-Nov-91	1000	Water	AMMONIA, UNIONIZED		0.00284952	mg/L	\$		
OC-04	OC 04	6-Jan-92	1000	Water	AMMONIA, UNIONIZED		0.00384711	mg/L	\$		
OC-04	OC 04	5-Feb-92	1000	Water	AMMONIA, UNIONIZED		0.00307019	mg/L	\$		
OC-04	OC 04	24-Mar-92	1000	Water	AMMONIA, UNIONIZED		0.00414308	mg/L	\$		
OC-04	OC 04	23-Apr-92	1000	Water	AMMONIA, UNIONIZED		0.019145	mg/L	\$		
OC-04	OC 04	1-Jun-92	1000	Water	AMMONIA, UNIONIZED		0.00032612	mg/L	\$		
OC-04	OC 04	21-Jul-92	1000	Water	AMMONIA, UNIONIZED		0.000995466	mg/L	\$		
OC-04	OC 04	24-Aug-92	1000	Water	AMMONIA, UNIONIZED		0.0169174	mg/L	\$		
OC-04	OC 04	1-Oct-92	1000	Water	AMMONIA, UNIONIZED		0.000727797	mg/L	\$		
OC-04	OC 04	18-Nov-92	1000	Water	AMMONIA, UNIONIZED		0.000574329	mg/L	\$		
OC-04	OC 04	29-Dec-92	1000	Water	AMMONIA, UNIONIZED		0.00491878	mg/L	\$		
OC-04	OC 04	6-Apr-93	1200	Water	AMMONIA, UNIONIZED		0.00162951	mg/L	\$		
OC-04	OC 04	4-May-93	1200	Water	AMMONIA, UNIONIZED		0.00364276	mg/L	\$		
OC-04	OC 04	1-Jun-93	1000	Water	AMMONIA, UNIONIZED		0.00562683	mg/L	\$		
OC-04	OC 04	10-Aug-93	1000	Water	AMMONIA, UNIONIZED		0.0105695	mg/L	\$		
OC-04	OC 04	1-Sep-93	1000	Water	AMMONIA, UNIONIZED		0.00640447	mg/L	\$		
OC-04	OC 04	5-Oct-93	1000	Water	AMMONIA, UNIONIZED		0.001381	mg/L	\$		
OC-04	OC 04	17-Nov-93	1000	Water	AMMONIA, UNIONIZED		0.000198758	mg/L	\$		
OC-04	OC 04	4-Jan-94	1000	Water	AMMONIA, UNIONIZED		0.00202745	mg/L	\$		
OC-04	OC 04	7-Feb-94	1000	Water	AMMONIA, UNIONIZED		0.00462458	mg/L	\$		
OC-04	OC 04	24-Mar-94	1000	Water	AMMONIA, UNIONIZED		0.00301265	mg/L	\$		
OC-04	OC 04	26-Apr-94	1100	Water	AMMONIA, UNIONIZED		0.00257454	mg/L	\$		
OC-04	OC 04	26-May-94	1000	Water	AMMONIA, UNIONIZED		0.00481171	mg/L	\$		
OC-04	OC 04	29-Jun-94	1100	Water	AMMONIA, UNIONIZED		0.00520817	mg/L	\$		
OC-04	OC 04	14-Sep-94	1100	Water	AMMONIA, UNIONIZED		0.00905275	mg/L	\$		
OC-04	OC 04	20-Oct-94	1100	Water	AMMONIA, UNIONIZED		0.019982	mg/L	\$		
OC-04	OC 04	21-Nov-94	1000	Water	AMMONIA, UNIONIZED		0.0055378	mg/L	\$		
OC-04	OC 04	19-Jan-95	1000	Water	AMMONIA, UNIONIZED		0.000632635	mg/L	\$		
OC-04	OC 04	1-Mar-95	1000	Water	AMMONIA, UNIONIZED		0.00493191	mg/L	\$		
OC-04	OC 04	4-Apr-95	1000	Water	AMMONIA, UNIONIZED		0.0016707	mg/L	\$		
OC-04	OC 04	16-May-95	1000	Water	AMMONIA, UNIONIZED		0.00486251	mg/L	\$		
OC-04	OC 04	11-Jul-95	1000	Water	AMMONIA, UNIONIZED		0.000312966	mg/L	\$		
OC-04	OC 04	23-Aug-95	1000	Water	AMMONIA, UNIONIZED		0.00030941	mg/L	\$		
OC-04	OC 04	18-Sep-95	1000	Water	AMMONIA, UNIONIZED		0.00361091	mg/L	\$		
OC-04	OC 04	2-Nov-95	1000	Water	AMMONIA, UNIONIZED		0.000619684	mg/L	\$		
OC-04	OC 04	4-Dec-95	1000	Water	AMMONIA, UNIONIZED		0.000238084	mg/L	\$		
OC-04	OC 04	16-Jan-96	1000	Water	AMMONIA, UNIONIZED		0.000995931	mg/L	\$		
OC-04	OC 04	7-Feb-96	1000	Water	AMMONIA, UNIONIZED		0.000360486	mg/L	\$		
OC-04	OC 04	2-Apr-96	1000	Water	AMMONIA, UNIONIZED		0.00501173	mg/L	\$		
OC-04	OC 04	8-May-96	1000	Water	AMMONIA, UNIONIZED		0.00225968	mg/L	\$		
OC-04	OC 04	27-Jun-96	1300	Water	AMMONIA, UNIONIZED		0.000126017	mg/L	\$		
OC-04	OC 04	9-Jul-96	830	Water	AMMONIA, UNIONIZED		0.000714418	mg/L	\$		
OC-04	OC 04	19-Aug-96	1000	Water	AMMONIA, UNIONIZED		0.0129164	mg/L	\$		
OC-04	OC 04	24-Oct-96	1000	Water	AMMONIA, UNIONIZED		0.00188925	mg/L	\$		
OC-04	OC 04	20-Nov-96	1000	Water	AMMONIA, UNIONIZED		0.00173765	mg/L	\$		
OC-04	OC 04	7-Jan-97	1000	Water	AMMONIA, UNIONIZED		0.000390809	mg/L	\$		
OC-04	OC 04	10-Feb-97	1000	Water	AMMONIA, UNIONIZED		0.0110893	mg/L	\$		
OC-04	OC 04	27-Mar-97	1000	Water	AMMONIA, UNIONIZED		0.000823159	mg/L	\$		
OC-04	OC 04	7-May-97	1000	Water	AMMONIA, UNIONIZED		0.00399001	mg/L	\$		
OC-04	OC 04	5-Jun-97	1000	Water	AMMONIA, UNIONIZED		0.0057285	mg/L	\$		
OC-04	OC 04	15-Jul-97	1000	Water	AMMONIA, UNIONIZED		0.011741	mg/L	\$		
OC-04	OC 04	20-Aug-97	1000	Water	AMMONIA, UNIONIZED		0.0127165	mg/L	\$		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	6-Oct-97	1000	Water	AMMONIA, UNIONIZED		0.00732099	mg/L	\$		
OC-04	OC 04	13-Nov-97	1000	Water	AMMONIA, UNIONIZED		0.00124807	mg/L	\$		
OC-04	OC 04	6-Jan-98	1000	Water	AMMONIA, UNIONIZED		0.00283439	mg/L	\$		
OC-04	OC 04	9-Feb-98	1000	Water	AMMONIA, UNIONIZED		0.00937503	mg/L	\$		
OC-04	OC 04	23-Mar-98	1000	Water	AMMONIA, UNIONIZED		0.00908614	mg/L	\$		
OC-04	OC 04	28-Apr-98	1000	Water	AMMONIA, UNIONIZED		0.00733771	mg/L	\$		
OC-04	OC 04	25-Jun-98	1200	Water	AMMONIA, UNIONIZED		0.00385343	mg/L	\$		
OC-04	OC 04	19-Aug-98	1000	Water	AMMONIA, UNIONIZED		0.00493002	mg/L	\$		
OC-04	OC 04	23-Sep-98	1000	Water	AMMONIA, UNIONIZED		0.00726798	mg/L	\$		
OC-04	OC 04	28-Oct-98	1000	Water	AMMONIA, UNIONIZED		0.001965	mg/L	\$		
OC-04	OC 04	9-Dec-98	1000	Water	AMMONIA, UNIONIZED		0.000600312	mg/L	\$		
OE-02	OE 04	10-Jul-96	900	Water	AMMONIA, UNIONIZED		0.00226066	mg/L	\$		
OE-02	OE 04	12-Nov-96	1130	Water	AMMONIA, UNIONIZED		0.00012881	mg/L	\$		
ROV	ROV-1	4-Aug-92	900	Water	AMMONIA, UNIONIZED		0.0048996	mg/L	\$		
O-30	O 30	4-Jan-90	1000	Water	AMMONIA, UNIONIZED		0.000686473	mg/L	\$		
O-30	O 30	1-Feb-90	1000	Water	AMMONIA, UNIONIZED		0.00108899	mg/L	\$		
O-30	O 30	19-Mar-90	1000	Water	AMMONIA, UNIONIZED		0.00172636	mg/L	\$		
O-30	O 30	25-Apr-90	1000	Water	AMMONIA, UNIONIZED		0.00103133	mg/L	\$		
O-30	O 30	6-Jun-90	1000	Water	AMMONIA, UNIONIZED		0.000443329	mg/L	\$		
O-30	O 30	17-Jul-90	1000	Water	AMMONIA, UNIONIZED		0.0017311	mg/L	\$		
O-30	O 30	12-Sep-90	1000	Water	AMMONIA, UNIONIZED		0.0058445	mg/L	\$		
O-30	O 30	23-Oct-90	1000	Water	AMMONIA, UNIONIZED		0.00124441	mg/L	\$		
O-30	O 30	10-Dec-90	1000	Water	AMMONIA, UNIONIZED		0.00355977	mg/L	\$		
O-30	O 30	14-Jan-91	1000	Water	AMMONIA, UNIONIZED		0.000391153	mg/L	\$		
O-30	O 30	27-Feb-91	1000	Water	AMMONIA, UNIONIZED		0.00136311	mg/L	\$		
O-30	O 30	1-Apr-91	1000	Water	AMMONIA, UNIONIZED		0.00172198	mg/L	\$		
O-30	O 30	15-May-91	1000	Water	AMMONIA, UNIONIZED		0.0180669	mg/L	\$		
O-30	O 30	18-Jun-91	1000	Water	AMMONIA, UNIONIZED		0.00962443	mg/L	\$		
O-30	O 30	1-Aug-91	1000	Water	AMMONIA, UNIONIZED		0.000537518	mg/L	\$		
O-30	O 30	24-Sep-91	1000	Water	AMMONIA, UNIONIZED		0.000856664	mg/L	\$		
O-30	O 30	12-Nov-91	1000	Water	AMMONIA, UNIONIZED		0.00129337	mg/L	\$		
O-30	O 30	17-Dec-91	1000	Water	AMMONIA, UNIONIZED		0.00165419	mg/L	\$		
O-30	O 30	13-Jan-92	1000	Water	AMMONIA, UNIONIZED		0.0013441	mg/L	\$		
O-30	O 30	18-Feb-92	1000	Water	AMMONIA, UNIONIZED		0.00171988	mg/L	\$		
O-30	O 30	30-Mar-92	1000	Water	AMMONIA, UNIONIZED		0.00241433	mg/L	\$		
O-30	O 30	29-Apr-92	1000	Water	AMMONIA, UNIONIZED		0.00186444	mg/L	\$		
O-30	O 30	11-Jun-92	1000	Water	AMMONIA, UNIONIZED		0.00249295	mg/L	\$		
O-30	O 30	13-Aug-92	1000	Water	AMMONIA, UNIONIZED		0.00557467	mg/L	\$		
O-30	O 30	15-Sep-92	1000	Water	AMMONIA, UNIONIZED		0.00322839	mg/L	\$		
O-30	O 30	2-Nov-92	700	Water	AMMONIA, UNIONIZED		0.00279825	mg/L	\$		
O-30	O 30	3-Dec-92	1000	Water	AMMONIA, UNIONIZED		0.000323213	mg/L	\$		
O-30	O 30	14-Jan-93	1000	Water	AMMONIA, UNIONIZED		0.000313121	mg/L	\$		
O-30	O 30	24-Feb-93	1000	Water	AMMONIA, UNIONIZED		0.000967836	mg/L	\$		
O-30	O 30	27-Apr-93	1100	Water	AMMONIA, UNIONIZED		0.0005413	mg/L	\$		
O-30	O 30	24-May-93	1000	Water	AMMONIA, UNIONIZED		0.00175715	mg/L	\$		
O-30	O 30	23-Jun-93	1000	Water	AMMONIA, UNIONIZED		0.00119264	mg/L	\$		
O-30	O 30	9-Aug-93	1000	Water	AMMONIA, UNIONIZED		0.00108785	mg/L	\$		
O-30	O 30	20-Sep-93	1000	Water	AMMONIA, UNIONIZED		0.00170361	mg/L	\$		
O-30	O 30	6-Oct-93	1000	Water	AMMONIA, UNIONIZED		0.00136053	mg/L	\$		
O-30	O 30	23-Nov-93	1000	Water	AMMONIA, UNIONIZED		0.000371816	mg/L	\$		
O-30	O 30	31-Jan-94	1000	Water	AMMONIA, UNIONIZED		0.0035838	mg/L	\$		
O-30	O 30	28-Feb-94	1000	Water	AMMONIA, UNIONIZED		0.0018021	mg/L	\$		
O-30	O 30	30-Mar-94	1000	Water	AMMONIA, UNIONIZED		0.00624166	mg/L	\$		
O-30	O 30	18-May-94	1000	Water	AMMONIA, UNIONIZED		0.0014946	mg/L	\$		
O-30	O 30	2-Jun-94	1000	Water	AMMONIA, UNIONIZED		0.00222648	mg/L	\$		
O-30	O 30	13-Jul-94	900	Water	AMMONIA, UNIONIZED		0.00513094	mg/L	\$		
O-30	O 30	28-Sep-94	900	Water	AMMONIA, UNIONIZED		0.0104773	mg/L	\$		
O-30	O 30	9-Nov-94	1000	Water	AMMONIA, UNIONIZED		0.00017319	mg/L	\$		
O-30	O 30	14-Dec-94	1000	Water	AMMONIA, UNIONIZED		8.32224E-05	mg/L	\$		
O-30	O 30	18-Jan-95	1000	Water	AMMONIA, UNIONIZED		0.000568287	mg/L	\$		
O-30	O 30	16-Feb-95	1000	Water	AMMONIA, UNIONIZED		0.000469071	mg/L	\$		
O-30	O 30	22-Mar-95	1100	Water	AMMONIA, UNIONIZED		0.00188493	mg/L	\$		
O-30	O 30	15-May-95	1000	Water	AMMONIA, UNIONIZED		0.00106806	mg/L	\$		
O-30	O 30	14-Jun-95	1000	Water	AMMONIA, UNIONIZED		0.00148116	mg/L	\$		
O-30	O 30	21-Jul-95	1000	Water	AMMONIA, UNIONIZED		0.000103214	mg/L	\$		
O-30	O 30	5-Sep-95	1000	Water	AMMONIA, UNIONIZED		0.00494685	mg/L	\$		
O-30	O 30	7-Nov-95	900	Water	AMMONIA, UNIONIZED		0.000112665	mg/L	\$		
O-30	O 30	13-Dec-95	1000	Water	AMMONIA, UNIONIZED		5.3734E-06	mg/L	\$		
O-30	O 30	24-Jan-96	1000	Water	AMMONIA, UNIONIZED		0.0034749	mg/L	\$		
O-30	O 30	20-Feb-96	1000	Water	AMMONIA, UNIONIZED		0.00090809	mg/L	\$		
O-30	O 30	27-Mar-96	1000	Water	AMMONIA, UNIONIZED		0.000167445	mg/L	\$		
O-30	O 30	24-Apr-96	1000	Water	AMMONIA, UNIONIZED		0.00165354	mg/L	\$		
O-30	O 30	3-Jun-96	1000	Water	AMMONIA, UNIONIZED		0.000117034	mg/L	\$		
O-30	O 30	15-Jul-96	1000	Water	AMMONIA, UNIONIZED		0.00119264	mg/L	\$		
O-30	O 30	26-Aug-96	1000	Water	AMMONIA, UNIONIZED		0.000138705	mg/L	\$		
O-30	O 30	16-Oct-96	900	Water	AMMONIA, UNIONIZED		3.68284E-05	mg/L	\$		
O-30	O 30	13-Nov-96	900	Water	AMMONIA, UNIONIZED		0.00041844	mg/L	\$		
O-30	O 30	13-Jan-97	900	Water	AMMONIA, UNIONIZED		0.000118239	mg/L	\$		
O-30	O 30	19-Feb-97	900	Water	AMMONIA, UNIONIZED		0.0132236	mg/L	\$		
O-30	O 30	31-Mar-97	900	Water	AMMONIA, UNIONIZED		0.00206613	mg/L	\$		
O-30	O 30	3-Jun-97	1000	Water	AMMONIA, UNIONIZED		0.00325696	mg/L	\$		
O-30	O 30	7-Jul-97	900	Water	AMMONIA, UNIONIZED		0.00325957	mg/L	\$		
O-30	O 30	12-Aug-97	900	Water	AMMONIA, UNIONIZED		0.00436669	mg/L	\$		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	10-Sep-97	900	Water	AMMONIA, UNIONIZED		0.010312	mg/L	\$		
O-30	O 30	12-Nov-97	900	Water	AMMONIA, UNIONIZED		0.00103564	mg/L	\$		
O-30	O 30	10-Dec-97	900	Water	AMMONIA, UNIONIZED		0.000164746	mg/L	\$		
O-30	O 30	15-Jan-98	900	Water	AMMONIA, UNIONIZED		0.000185336	mg/L	\$		
O-30	O 30	17-Feb-98	900	Water	AMMONIA, UNIONIZED		0.00924877	mg/L	\$		
O-30	O 30	26-Mar-98	900	Water	AMMONIA, UNIONIZED		0.00540671	mg/L	\$		
O-30	O 30	11-May-98	900	Water	AMMONIA, UNIONIZED		0.00480369	mg/L	\$		
O-30	O 30	8-Jun-98	900	Water	AMMONIA, UNIONIZED		0.00206872	mg/L	\$		
O-30	O 30	15-Jul-98	900	Water	AMMONIA, UNIONIZED		0.000318605	mg/L	\$		
O-30	O 30	24-Aug-98	900	Water	AMMONIA, UNIONIZED		0.000928377	mg/L	\$		
O-30	O 30	7-Oct-98	900	Water	AMMONIA, UNIONIZED		0.00160157	mg/L	\$		
O-30	O 30	18-Nov-98	900	Water	AMMONIA, UNIONIZED		0.00149793	mg/L	\$		
OB-03	OB 03	9-Jul-96	1400	Water	AMMONIA, UNIONIZED		0.000368527	mg/L	\$		
OB-03	OB 03	15-Nov-96	1200	Water	AMMONIA, UNIONIZED		0.000011477	mg/L	\$		
OC-04	OC 04	29-Jan-90	1000	Water	AMMONIA, UNIONIZED		0.00273705	mg/L	\$		
OC-04	OC 04	21-Mar-90	1000	Water	AMMONIA, UNIONIZED		0.0255276	mg/L	\$		
OC-04	OC 04	24-Apr-90	1000	Water	AMMONIA, UNIONIZED		0.00238631	mg/L	\$		
OC-04	OC 04	4-Jun-90	1000	Water	AMMONIA, UNIONIZED		0.00544173	mg/L	\$		
OC-04	OC 04	11-Jul-90	1000	Water	AMMONIA, UNIONIZED		0.0048719	mg/L	\$		
OC-04	OC 04	29-Aug-90	1000	Water	AMMONIA, UNIONIZED		0.011175	mg/L	\$		
OC-04	OC 04	1-Oct-90	1100	Water	AMMONIA, UNIONIZED		0.00238815	mg/L	\$		
OC-04	OC 04	19-Nov-90	1000	Water	AMMONIA, UNIONIZED		0.00556397	mg/L	\$		
OC-04	OC 04	15-Jan-91	1100	Water	AMMONIA, UNIONIZED		0.00125202	mg/L	\$		
OC-04	OC 04	5-Mar-91	1000	Water	AMMONIA, UNIONIZED		0.00112833	mg/L	\$		
OC-04	OC 04	3-Apr-91	1000	Water	AMMONIA, UNIONIZED		0.003805	mg/L	\$		
OC-04	OC 04	22-May-91	1000	Water	AMMONIA, UNIONIZED		0.0635488	mg/L	\$		
OC-04	OC 04	17-Jun-91	1000	Water	AMMONIA, UNIONIZED		0.00977818	mg/L	\$		
OC-04	OC 04	24-Jul-91	1000	Water	AMMONIA, UNIONIZED		0.00655774	mg/L	\$		
OC-04	OC 04	28-Aug-91	1000	Water	AMMONIA, UNIONIZED		0.0392019	mg/L	\$		
OC-04	OC 04	7-Oct-91	1000	Water	AMMONIA, UNIONIZED		0.00138134	mg/L	\$		
OC-04	OC 04	21-Nov-91	1000	Water	AMMONIA, UNIONIZED		0.00234357	mg/L	\$		
OC-04	OC 04	6-Jan-92	1000	Water	AMMONIA, UNIONIZED		0.00316403	mg/L	\$		
OC-04	OC 04	5-Feb-92	1000	Water	AMMONIA, UNIONIZED		0.00252505	mg/L	\$		
OC-04	OC 04	24-Mar-92	1000	Water	AMMONIA, UNIONIZED		0.00340744	mg/L	\$		
OC-04	OC 04	23-Apr-92	1000	Water	AMMONIA, UNIONIZED		0.0157457	mg/L	\$		
OC-04	OC 04	1-Jun-92	1000	Water	AMMONIA, UNIONIZED		0.000268215	mg/L	\$		
OC-04	OC 04	21-Jul-92	1000	Water	AMMONIA, UNIONIZED		0.000818714	mg/L	\$		
OC-04	OC 04	24-Aug-92	1000	Water	AMMONIA, UNIONIZED		0.0139136	mg/L	\$		
OC-04	OC 04	1-Oct-92	1000	Water	AMMONIA, UNIONIZED		0.000598571	mg/L	\$		
OC-04	OC 04	18-Nov-92	1000	Water	AMMONIA, UNIONIZED		0.000472352	mg/L	\$		
OC-04	OC 04	29-Dec-92	1000	Water	AMMONIA, UNIONIZED		0.00404541	mg/L	\$		
OC-04	OC 04	6-Apr-93	1200	Water	AMMONIA, UNIONIZED		0.00134018	mg/L	\$		
OC-04	OC 04	4-May-93	1200	Water	AMMONIA, UNIONIZED		0.00299596	mg/L	\$		
OC-04	OC 04	1-Jun-93	1000	Water	AMMONIA, UNIONIZED		0.00462775	mg/L	\$		
OC-04	OC 04	10-Aug-93	1000	Water	AMMONIA, UNIONIZED		0.00869277	mg/L	\$		
OC-04	OC 04	1-Sep-93	1000	Water	AMMONIA, UNIONIZED		0.0052673	mg/L	\$		
OC-04	OC 04	5-Oct-93	1000	Water	AMMONIA, UNIONIZED		0.00113579	mg/L	\$		
OC-04	OC 04	17-Nov-93	1000	Water	AMMONIA, UNIONIZED		0.000163467	mg/L	\$		
OC-04	OC 04	4-Jan-94	1000	Water	AMMONIA, UNIONIZED		0.00166746	mg/L	\$		
OC-04	OC 04	7-Feb-94	1000	Water	AMMONIA, UNIONIZED		0.00380345	mg/L	\$		
OC-04	OC 04	24-Mar-94	1000	Water	AMMONIA, UNIONIZED		0.00247773	mg/L	\$		
OC-04	OC 04	26-Apr-94	1100	Water	AMMONIA, UNIONIZED		0.00211741	mg/L	\$		
OC-04	OC 04	26-May-94	1000	Water	AMMONIA, UNIONIZED		0.00395735	mg/L	\$		
OC-04	OC 04	29-Jun-94	1100	Water	AMMONIA, UNIONIZED		0.00428342	mg/L	\$		
OC-04	OC 04	14-Sep-94	1100	Water	AMMONIA, UNIONIZED		0.00744537	mg/L	\$		
OC-04	OC 04	20-Oct-94	1100	Water	AMMONIA, UNIONIZED		0.0164341	mg/L	\$		
OC-04	OC 04	21-Nov-94	1000	Water	AMMONIA, UNIONIZED		0.00455452	mg/L	\$		
OC-04	OC 04	19-Jan-95	1000	Water	AMMONIA, UNIONIZED		0.000520306	mg/L	\$		
OC-04	OC 04	1-Mar-95	1000	Water	AMMONIA, UNIONIZED		0.00405621	mg/L	\$		
OC-04	OC 04	4-Apr-95	1000	Water	AMMONIA, UNIONIZED		0.00137406	mg/L	\$		
OC-04	OC 04	16-May-95	1000	Water	AMMONIA, UNIONIZED		0.00399913	mg/L	\$		
OC-04	OC 04	11-Jul-95	1000	Water	AMMONIA, UNIONIZED		0.000257397	mg/L	\$		
OC-04	OC 04	23-Aug-95	1000	Water	AMMONIA, UNIONIZED		0.000254472	mg/L	\$		
OC-04	OC 04	18-Sep-95	1000	Water	AMMONIA, UNIONIZED		0.00296977	mg/L	\$		
OC-04	OC 04	2-Nov-95	1000	Water	AMMONIA, UNIONIZED		0.000509655	mg/L	\$		
OC-04	OC 04	4-Dec-95	1000	Water	AMMONIA, UNIONIZED		0.000195811	mg/L	\$		
OC-04	OC 04	16-Jan-96	1000	Water	AMMONIA, UNIONIZED		0.000819096	mg/L	\$		
OC-04	OC 04	7-Feb-96	1000	Water	AMMONIA, UNIONIZED		0.000296479	mg/L	\$		
OC-04	OC 04	2-Apr-96	1000	Water	AMMONIA, UNIONIZED		0.00412186	mg/L	\$		
OC-04	OC 04	8-May-96	1000	Water	AMMONIA, UNIONIZED		0.00185846	mg/L	\$		
OC-04	OC 04	27-Jun-96	1300	Water	AMMONIA, UNIONIZED		0.000103642	mg/L	\$		
OC-04	OC 04	9-Jul-96	830	Water	AMMONIA, UNIONIZED		0.000587567	mg/L	\$		
OC-04	OC 04	19-Aug-96	1000	Water	AMMONIA, UNIONIZED		0.010623	mg/L	\$		
OC-04	OC 04	24-Oct-96	1000	Water	AMMONIA, UNIONIZED		0.0015538	mg/L	\$		
OC-04	OC 04	20-Nov-96	1000	Water	AMMONIA, UNIONIZED		0.00142912	mg/L	\$		
OC-04	OC 04	7-Jan-97	1000	Water	AMMONIA, UNIONIZED		0.000321418	mg/L	\$		
OC-04	OC 04	10-Feb-97	1000	Water	AMMONIA, UNIONIZED		0.00912034	mg/L	\$		
OC-04	OC 04	27-Mar-97	1000	Water	AMMONIA, UNIONIZED		0.000677001	mg/L	\$		
OC-04	OC 04	7-May-97	1000	Water	AMMONIA, UNIONIZED		0.00328156	mg/L	\$		
OC-04	OC 04	5-Jun-97	1000	Water	AMMONIA, UNIONIZED		0.00471136	mg/L	\$		
OC-04	OC 04	15-Jul-97	1000	Water	AMMONIA, UNIONIZED		0.00965632	mg/L	\$		
OC-04	OC 04	20-Aug-97	1000	Water	AMMONIA, UNIONIZED		0.0104586	mg/L	\$		
OC-04	OC 04	6-Oct-97	1000	Water	AMMONIA, UNIONIZED		0.00602109	mg/L	\$		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	13-Nov-97	1000	Water	AMMONIA, UNIONIZED		0.00102647	mg/L	\$		
OC-04	OC 04	6-Jan-98	1000	Water	AMMONIA, UNIONIZED		0.00233113	mg/L	\$		
OC-04	OC 04	9-Feb-98	1000	Water	AMMONIA, UNIONIZED		0.00771042	mg/L	\$		
OC-04	OC 04	23-Mar-98	1000	Water	AMMONIA, UNIONIZED		0.00747282	mg/L	\$		
OC-04	OC 04	28-Apr-98	1000	Water	AMMONIA, UNIONIZED		0.00603484	mg/L	\$		
OC-04	OC 04	25-Jun-98	1200	Water	AMMONIA, UNIONIZED		0.00316923	mg/L	\$		
OC-04	OC 04	19-Aug-98	1000	Water	AMMONIA, UNIONIZED		0.00405466	mg/L	\$		
OC-04	OC 04	23-Sep-98	1000	Water	AMMONIA, UNIONIZED		0.00597749	mg/L	\$		
OC-04	OC 04	28-Oct-98	1000	Water	AMMONIA, UNIONIZED		0.0016161	mg/L	\$		
OC-04	OC 04	9-Dec-98	1000	Water	AMMONIA, UNIONIZED		0.000493722	mg/L	\$		
OE-02	OE 04	10-Jul-96	900	Water	AMMONIA, UNIONIZED		0.00185926	mg/L	\$		
OE-02	OE 04	12-Nov-96	1130	Water	AMMONIA, UNIONIZED		0.000105939	mg/L	\$		
ROV	ROV-1	4-Aug-92	900	Water	AMMONIA, UNIONIZED		0.00402964	mg/L	\$		
OC-04		10/4/2007	11:00:00	Water	Arsenic	Dissolved	ND	ug/l	ND		
OC-04		10/4/2007	11:00:00	Water	Arsenic	Total	ND	ug/l	ND		
OC-04		7/16/2008	9:40:00	Water	Arsenic	Dissolved	ND	ug/l	ND		
OC-04		7/16/2008	9:40:00	Water	Arsenic	Total	ND	ug/l	ND		
OC-04		8/19/2008	11:00:00	Water	Arsenic	Dissolved	ND	ug/l	ND		
OC-04		8/19/2008	11:00:00	Water	Arsenic	Total	ND	ug/l	ND		
OC-04		9/29/2008	10:00:00	Water	Arsenic	Dissolved	ND	ug/l	ND		
OC-04		9/29/2008	10:00:00	Water	Arsenic	Total	ND	ug/l	ND		
OCF-96		7/22/2008	8:10:00	Water	Arsenic	Total	ND	ug/l	ND		
OCF-96		7/29/2008	9:45:00	Water	Arsenic	Total	ND	ug/l	ND		
OCF-96		9/8/2008	8:00:00	Water	Arsenic	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Arsenic	Total	ND	ug/l	ND		
ROV	ROV-1	6/8/1999	14:15	Water	Atrazine		0.77	ug/l			
ROV	ROV-3	8/23/1999	15:20	Water	Atrazine		50	ug/l	K		
ROV	ROV-1	10/13/1999	14:00	Water	Atrazine		0.56	ug/l			
ROV	ROV-1	7/22/1999	12:50	Water	Atrazine		1.3	ug/l			
ROV	ROV-1	8/23/1999	14:30	Water	Atrazine		50	ug/l	K		
ROV	ROV-1	4/30/1999	13:10	Water	Atrazine		0.3	ug/l	K		
ROV	ROV-1	8/23/1999	13:45	Water	Atrazine		1.2	ug/l			
SOC	SOC-2	06/30/2003	13:35	Water	Atrazine		6.8	ug/l			8 ft
SOC	SOC-2	08/21/2003	13:50	Water	Atrazine		0.68	ug/l			8 ft
SOC	SOC-3	08/21/2003	14:20	Sediment	Atrazine			ug/kg			8 ft
SOC	SOC-2	08/21/2003	13:50	Water	Atrazine		5	ug/l			8 ft
SOC	SOC-2	07/22/2003	13:50	Water	Atrazine		5.7	ug/l			8 ft
SOC	SOC-2	07/22/2003	13:50	Water	Atrazine		6.8	ug/l			8 ft
SOC	SOC-1	08/21/2003	13:15	Sediment	Atrazine			ug/kg			8 ft
SOC	SOC-2	10/16/2003	13:00	Water	Atrazine		3.4	ug/l			8 ft
SOC	SOC-2	06/30/2003	13:35	Water	Atrazine		6.8	ug/l			8 ft
SOC	SOC-2	06/30/2003	13:35	Water	Atrazine		7	ug/l			8 ft
SOC	SOC-2	06/30/2003	13:35	Water	Atrazine		7	ug/l			8 ft
SOC	SOC-2	10/16/2003	13:00	Water	Atrazine		3.6	ug/l			8 ft
SOL	SOL-1	4/24/2006	14:50	Water	Atrazine		0.31	ug/l			5 ft
SOL	SOL-1	4/24/2006	14:50	Water	Atrazine		0	ug/l	ND		5 ft
SOL	SOL-1	6/28/2006	13:25	Water	Atrazine		1.3	ug/l			5 ft
SOL	SOL-1	6/28/2006	13:25	Water	Atrazine		1	ug/l			5 ft
SOL	SOL-1	7/12/2006	14:25	Water	Atrazine		0.62	ug/l			5 ft
SOL	SOL-1	7/12/2006	14:25	Water	Atrazine		0.79	ug/l			5 ft
SOL	SOL-1	8/31/2006	15:00	Water	Atrazine		0.6	ug/l			1 ft
SOL	SOL-1	8/31/2006	15:00	Water	Atrazine		0.59	ug/l			1 ft
SOL	SOL-1	8/31/2006	15:00	Sediment	Atrazine		0	ug/kg	ND		
SOL	SOL-1	10/26/2006	14:50	Water	Atrazine		0.18	ug/l			
SOL	SOL-1	10/26/2006	14:50	Water	Atrazine		0.31	ug/l			
SOL	SOL-1	5/12/2003	13:00	Water	Atrazine		4.3	ug/l	4.3		4 ft
SOL	SOL-1	5/12/2003	13:00	Water	Atrazine		4	ug/l	4		4 ft
SOL	SOL-1	10/15/2003	12:30	Water	Atrazine		0.56	ug/l	0.56J		4 ft
SOL	SOL-1	10/15/2003	12:30	Water	Atrazine		0.56	ug/l	0.56		4 ft
SOL	SOL-1	8/19/2003	13:45	Sediment	Atrazine			ug/kg	50K		8 ft
SOL	SOL-1	8/19/2003	13:45	Water	Atrazine		0.75	ug/l	0.75		4 ft
SOL	SOL-1	8/19/2003	13:45	Water	Atrazine		0.73	ug/l	0.73		4 ft
SOL	SOL-1	7/21/2003	13:05	Water	Atrazine		1.9	ug/l	1.9		4 ft
SOL	SOL-1	7/21/2003	13:05	Water	Atrazine		1.8	ug/l	1.8		4 ft
SOL	SOL-1	6/17/2003	14:15	Water	Atrazine		14	ug/l	14		4 ft
SOL	SOL-1	6/17/2003	14:15	Water	Atrazine		14	ug/l	14		4 ft
OC-04		10/4/2007	11:00:00	Water	Barium	Dissolved	54.6	ug/l	X		
OC-04		10/4/2007	11:00:00	Water	Barium	Total	63.4	ug/l	X		
OC-04		7/16/2008	9:40:00	Water	Barium	Dissolved	75.6	ug/l			
OC-04		7/16/2008	9:40:00	Water	Barium	Total	90.5	ug/l			
OC-04		8/19/2008	11:00:00	Water	Barium	Dissolved	73.2	ug/l			
OC-04		8/19/2008	11:00:00	Water	Barium	Total	79.8	ug/l			
OC-04		9/29/2008	10:00:00	Water	Barium	Dissolved	75.6	ug/l			
OC-04		9/29/2008	10:00:00	Water	Barium	Total	82.8	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Barium	Total	85.6	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Barium	Total	59.4	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Barium	Total	74.2	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Barium	Total	74.9	ug/l			
OCF	OCF-FB-A1	2-Aug-96	840	Water	BOD Carb		1	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	BOD Carb		1	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	BOD Carb		2	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	BOD Carb		2	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	BOD Carb		1	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OCF	OCF-FB-A1	2-Aug-96	840	Water	BOD Total			1 mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	BOD Total			5 mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	BOD Total			3 mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	BOD Total			4 mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	BOD Total			3 mg/L			
OC-95		7/22/2008	9:20:00	Water	BOD, Biochemical oxygen demand	Total		2.8 mg/l			
OC-95		7/29/2008	10:53:00	Water	BOD, Biochemical oxygen demand	Total		2.7 mg/l			
OC-95		9/8/2008	9:20:00	Water	BOD, Biochemical oxygen demand	Total	ND	mg/l	J7,ND		
OC-95		9/15/2008	10:00:00	Water	BOD, Biochemical oxygen demand	Total		3.7 mg/l			
OCF-96		7/22/2008	8:10:00	Water	BOD, Biochemical oxygen demand	Total	ND	mg/l	ND		
OCF-96		7/29/2008	9:45:00	Water	BOD, Biochemical oxygen demand	Total	ND	mg/l	ND		
OCF-96		9/8/2008	8:00:00	Water	BOD, Biochemical oxygen demand	Total	ND	mg/l	J7,ND		
OCF-96		9/15/2008	9:00:00	Water	BOD, Biochemical oxygen demand	Total		2.9 mg/l			
OC-95		7/22/2008	9:20:00	Water	BOD, carbonaceous	Total		2.6 mg/l			
OC-95		7/29/2008	10:53:00	Water	BOD, carbonaceous	Total		2.3 mg/l			
OC-95		9/8/2008	9:20:00	Water	BOD, carbonaceous	Total	ND	mg/l	ND		
OC-95		9/15/2008	10:00:00	Water	BOD, carbonaceous	Total		2.7 mg/l			
OCF-96		7/22/2008	8:10:00	Water	BOD, carbonaceous	Total	ND	mg/l	ND		
OCF-96		7/29/2008	9:45:00	Water	BOD, carbonaceous	Total	ND	mg/l	ND		
OCF-96		9/8/2008	8:00:00	Water	BOD, carbonaceous	Total	ND	mg/l	ND		
OCF-96		9/15/2008	9:00:00	Water	BOD, carbonaceous	Total		2.6 mg/l			
OC-04		10/4/2007	11:00:00	Water	Boron	Dissolved		411 ug/l			
OC-04		10/4/2007	11:00:00	Water	Boron	Total		408 ug/l			
OC-04		7/16/2008	9:40:00	Water	Boron	Dissolved		265 ug/l			
OC-04		7/16/2008	9:40:00	Water	Boron	Total		275 ug/l			
OC-04		8/19/2008	11:00:00	Water	Boron	Dissolved		279 ug/l			
OC-04		8/19/2008	11:00:00	Water	Boron	Total		276 ug/l			
OC-04		9/29/2008	10:00:00	Water	Boron	Dissolved		308 ug/l			
OC-04		9/29/2008	10:00:00	Water	Boron	Total		315 ug/l			
OCF-96		7/22/2008	8:10:00	Water	Boron	Total		212 ug/l			
OCF-96		7/29/2008	9:45:00	Water	Boron	Total		108 ug/l	V		
OCF-96		9/8/2008	8:00:00	Water	Boron	Total		164 ug/l			
OCF-96		9/15/2008	9:00:00	Water	Boron	Total		158 ug/l			
OC-04		10/4/2007	11:00:00	Water	Cadmium	Dissolved		0.81 ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Cadmium	Total		1.1 ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Cadmium	Dissolved		0.7 ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Cadmium	Total		0.87 ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Cadmium	Dissolved		0.3 ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Cadmium	Total		0.52 ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Cadmium	Dissolved		0.41 ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Cadmium	Total		0.7 ug/l	J		
OCF-96		7/22/2008	8:10:00	Water	Cadmium	Total		1.91 ug/l	J		
OCF-96		7/29/2008	9:45:00	Water	Cadmium	Total		0.53 ug/l	J		
OCF-96		9/8/2008	8:00:00	Water	Cadmium	Total		0.46 ug/l	J		
OCF-96		9/15/2008	9:00:00	Water	Cadmium	Total		0.76 ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Calcium	Dissolved		74800 ug/l			
OC-04		10/4/2007	11:00:00	Water	Calcium	Total		76400 ug/l			
OC-04		7/16/2008	9:40:00	Water	Calcium	Dissolved		96800 ug/l			
OC-04		7/16/2008	9:40:00	Water	Calcium	Total		102000 ug/l			
OC-04		8/19/2008	11:00:00	Water	Calcium	Dissolved		78700 ug/l			
OC-04		8/19/2008	11:00:00	Water	Calcium	Total		79600 ug/l			
OC-04		9/29/2008	10:00:00	Water	Calcium	Dissolved		86700 ug/l			
OC-04		9/29/2008	10:00:00	Water	Calcium	Total		86000 ug/l			
OCF-96		7/22/2008	8:10:00	Water	Calcium	Total		53600 ug/l			
OCF-96		7/29/2008	9:45:00	Water	Calcium	Total		39200 ug/l			
OCF-96		9/8/2008	8:00:00	Water	Calcium	Total		53200 ug/l			
OCF-96		9/15/2008	9:00:00	Water	Calcium	Total		31700 ug/l			
OC-04		8/19/2008	11:00:00	Water	Carbon, organic	Total		4.64 mg/l			
OC-04		9/29/2008	10:00:00	Water	Carbon, organic	Total		3.93 mg/l			
O-30	O 30	4-Jan-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			6.9 mg/L			
O-30	O 30	1-Feb-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			8.9 mg/L			
O-30	O 30	19-Mar-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			7.8 mg/L			
O-30	O 30	25-Apr-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			14 mg/L			
O-30	O 30	6-Jun-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			10 mg/L			
O-30	O 30	17-Jul-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			7.6 mg/L			
O-30	O 30	12-Sep-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			8.9 mg/L			
O-30	O 30	23-Oct-90	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)			7.3 mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	14-Jan-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.7	mg/L			
O-30	O 30	27-Feb-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.4	mg/L			
O-30	O 30	1-Apr-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.2	mg/L			
O-30	O 30	15-May-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.1	mg/L			
O-30	O 30	18-Jun-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.1	mg/L			
O-30	O 30	1-Aug-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.3	mg/L			
O-30	O 30	24-Sep-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.4	mg/L			
O-30	O 30	12-Nov-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		12.3	mg/L			
O-30	O 30	17-Dec-91	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.1	mg/L			
O-30	O 30	13-Jan-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		11	mg/L			
O-30	O 30	18-Feb-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8	mg/L			
O-30	O 30	30-Mar-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7	mg/L			
O-30	O 30	29-Apr-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		10	mg/L			
O-30	O 30	11-Jun-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8	mg/L			
O-30	O 30	13-Aug-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7	mg/L			
O-30	O 30	15-Sep-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7	mg/L			
O-30	O 30	2-Nov-92	700	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7	mg/L			
O-30	O 30	3-Dec-92	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8	mg/L			
O-30	O 30	14-Jan-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		10	mg/L			
O-30	O 30	24-Feb-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		10	mg/L			
O-30	O 30	27-Apr-93	1100	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		10.32	mg/L			
O-30	O 30	24-May-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		10	mg/L			
O-30	O 30	23-Jun-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8	mg/L			
O-30	O 30	9-Aug-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6	mg/L			
O-30	O 30	20-Sep-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8	mg/L			
O-30	O 30	6-Oct-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		11	mg/L			
O-30	O 30	23-Nov-93	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		11	mg/L			
O-30	O 30	31-Jan-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		12	mg/L			
O-30	O 30	28-Feb-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8	mg/L			
O-30	O 30	30-Mar-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		9	mg/L			
O-30	O 30	18-May-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.1	mg/L			
O-30	O 30	2-Jun-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	mg/L			
O-30	O 30	13-Jul-94	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.4	mg/L			
O-30	O 30	28-Sep-94	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.8	mg/L			
O-30	O 30	9-Nov-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.3	mg/L			
O-30	O 30	14-Dec-94	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5	mg/L			
O-30	O 30	18-Jan-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.7	mg/L			
O-30	O 30	16-Feb-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6	mg/L			
O-30	O 30	22-Mar-95	1100	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5	mg/L			
O-30	O 30	15-May-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		23.5	mg/L			
O-30	O 30	14-Jun-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		29.21	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	21-Jul-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		27.1	mg/L			
O-30	O 30	5-Sep-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	mg/L			
O-30	O 30	7-Nov-95	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		4.9	mg/L			
O-30	O 30	13-Dec-95	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		4.7	mg/L			
O-30	O 30	24-Jan-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.6	mg/L			
O-30	O 30	20-Feb-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	mg/L			
O-30	O 30	27-Mar-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.3	mg/L			
O-30	O 30	24-Apr-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.6	mg/L			
O-30	O 30	3-Jun-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.7	mg/L			
O-30	O 30	15-Jul-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		4.6	mg/L			
O-30	O 30	26-Aug-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		4.2	mg/L			
O-30	O 30	16-Oct-96	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		4.5	mg/L			
O-30	O 30	13-Nov-96	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.1	mg/L			
O-30	O 30	13-Jan-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.1	mg/L			
O-30	O 30	19-Feb-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		4.1	mg/L			
O-30	O 30	31-Mar-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	mg/L			
O-30	O 30	3-Jun-97	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.8	mg/L			
O-30	O 30	7-Jul-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.3	mg/L			
O-30	O 30	12-Aug-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.7	mg/L			
O-30	O 30	10-Sep-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	mg/L			
O-30	O 30	12-Nov-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.21	mg/L			
O-30	O 30	10-Dec-97	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.48	mg/L			
O-30	O 30	15-Jan-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.25	mg/L			
O-30	O 30	17-Feb-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.44	mg/L			
O-30	O 30	26-Mar-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.72	mg/L			
O-30	O 30	11-May-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.08	mg/L			
O-30	O 30	8-Jun-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.02	mg/L			
O-30	O 30	15-Jul-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.13	mg/L			
O-30	O 30	24-Aug-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.1	mg/L			
O-30	O 30	7-Oct-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.35	mg/L	Q		
O-30	O 30	18-Nov-98	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.26	mg/L	Q		
OB-03	OB 03	9-Jul-96	1400	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		3	mg/L			
OB-03	OB 03	15-Nov-96	1200	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		8.7	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.7	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.5	mg/L			
OC-95	OC-SW-A1	8-Aug-96	745	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.5	mg/L			
OC-95	OC-SW-E1	8-Aug-96	800	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.2	mg/L			
OC-95	OC-SW-C1	8-Aug-96	815	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6	mg/L			
OC-95	OC-SW-C2	8-Aug-96	840	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6	mg/L			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.3	mg/L			
OC-95	OC-SW-C5	8-Aug-96	920	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OCF	OCF-FB-A1	2-Aug-96	840	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.6	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.6	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		6.9	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.4	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.9	mg/L			
OE-02	OE 04	10-Jul-96	900	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		7.5	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		14.7	mg/L			
OC-95	OC-BV-A2	8-Aug-96	945	Water	CARBON, TOTAL ORGANIC (MG/L AS C)		5.9	mg/L			
OC-04		7/16/2008	9:40:00	Water	Carbon, Total Organic (TOC)	Total	4.77	mg/l			
OC-04		7/16/2008	9:40:00	Water	Chloride	Total	68.5	mg/l			
OC-04		8/19/2008	11:00:00	Water	Chloride	Total	89.5	mg/l			
OC-04		9/29/2008	10:00:00	Water	Chloride	Total	73	mg/l			
SOC	SOC-3	06/30/2003	14:05	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	602	ug/l		1	ft
SOC	SOC-3	10/16/2003	13:35	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	596	ug/l		1	ft
SOC	SOC-3	07/22/2003	14:20	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	352	ug/l		5.5	ft
SOC	SOC-3	08/21/2003	14:20	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	406	ug/l		4.67	ft
SOC	SOC-3	05/06/2003	14:20	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	718	ug/l		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	430	ug/l		5	ft
SOC	SOC-2	07/22/2003	13:50	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	327	ug/l		5.5	ft
SOC	SOC-2	05/06/2003	13:45	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	592	ug/l		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	470	ug/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	331	ug/l		4.67	ft
SOC	SOC-1	10/16/2003	12:30	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	954	ug/l		6	ft
SOC	SOC-1	06/30/2003	13:05	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	458	ug/l		1	ft
SOC	SOC-1	05/06/2003	13:10	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	639	ug/l		1	ft
SOC	SOC-1	07/22/2003	13:15	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	349	ug/l		5.5	ft
SOC	SOC-1	08/21/2003	13:15	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	372	ug/l		4.67	ft
ROV	ROV-3	30-Apr-99	14:00	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	275				
ROV	ROV-3	22-Jul-99	13:45	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	267				
ROV	ROV-3	08-Jun-99	15:05	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	224				
ROV	ROV-3	23-Aug-99	15:00	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	162				
ROV	ROV-3	13-Oct-99	15:00	Water	CHLOROPHYLL (A+B+C),Filterable	Filterable	200				
O-30	O 30	19-Jun-02		Water	CHLOROPHYLL (A+B+C),Filterable		200	mg/L			
O-30	O 30	29-Aug-02		Water	CHLOROPHYLL (A+B+C),Filterable		180	mg/L			
OB-03	OB 03	19-Jun-02		Water	CHLOROPHYLL (A+B+C),Filterable		68	mg/L			
OB-03	OB 03	9-Jul-02		Water	CHLOROPHYLL (A+B+C),Filterable		250	mg/L			
OB-03	OB 03	27-Aug-02		Water	CHLOROPHYLL (A+B+C),Filterable		430	mg/L			
OC-04	OC 04	20-Jun-02		Water	CHLOROPHYLL (A+B+C),Filterable		250	mg/L			
OC-04	OC 04	11-Jul-02		Water	CHLOROPHYLL (A+B+C),Filterable		180	mg/L			
OC-04	OC 04	20-Aug-02		Water	CHLOROPHYLL (A+B+C),Filterable		50	mg/L			
SOC	SOC-3	05/06/2003	14:20	Water	Chlorophyll a, corrected for pheophytin		6.1	ug/l		1	ft
SOC	SOC-3	08/21/2003	14:20	Water	Chlorophyll a, corrected for pheophytin		20.5	ug/l		4.67	ft
SOC	SOC-3	06/30/2003	14:05	Water	Chlorophyll a, corrected for pheophytin		76.9	ug/l		1	ft

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
SOC	SOC-3	07/22/2003	14:20	Water	Chlorophyll a, corrected for pheophytin		40.7	ug/l		5.5	ft
SOC	SOC-3	10/16/2003	13:35	Water	Chlorophyll a, corrected for pheophytin		494	ug/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Chlorophyll a, corrected for pheophytin		20	ug/l		4.67	ft
SOC	SOC-2	06/30/2003	13:35	Water	Chlorophyll a, corrected for pheophytin		104	ug/l		1	ft
SOC	SOC-2	05/06/2003	13:45	Water	Chlorophyll a, corrected for pheophytin		9.62	ug/l		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	Chlorophyll a, corrected for pheophytin		54.8	ug/l		5.5	ft
SOC	SOC-2	10/16/2003	13:00	Water	Chlorophyll a, corrected for pheophytin		91.6	ug/l		5	ft
SOC	SOC-1	05/06/2003	13:10	Water	Chlorophyll a, corrected for pheophytin		25.4	ug/l		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	Chlorophyll a, corrected for pheophytin		7.95	ug/l		6	ft
SOC	SOC-1	08/21/2003	13:15	Water	Chlorophyll a, corrected for pheophytin		16.1	ug/l		4.67	ft
SOC	SOC-1	07/22/2003	13:15	Water	Chlorophyll a, corrected for pheophytin		62.8	ug/l		5.5	ft
SOC	SOC-1	06/30/2003	13:05	Water	Chlorophyll a, corrected for pheophytin		51	ug/l		1	ft
OC-95		7/22/2008	9:20:00	Water	Chlorophyll a, corrected for pheophytin	Total	10.9	ug/l			
OC-95		7/29/2008	10:53:00	Water	Chlorophyll a, corrected for pheophytin	Total	20.8	ug/l			
OC-95		9/8/2008	9:20:00	Water	Chlorophyll a, corrected for pheophytin	Total	3.48	ug/l			
OC-95		9/15/2008	10:00:00	Water	Chlorophyll a, corrected for pheophytin	Total	11.2	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Chlorophyll a, corrected for pheophytin	Total	ND	ug/l	ND		
OCF-96		7/29/2008	9:45:00	Water	Chlorophyll a, corrected for pheophytin	Total	1.28	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Chlorophyll a, corrected for pheophytin	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Chlorophyll a, corrected for pheophytin	Total	6.54	ug/l			
O-30	O 30	19-Jun-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		9.92	mg/L			
O-30	O 30	29-Aug-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		42.4	mg/L			
OB-03	OB 03	19-Jun-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		3.16	mg/L			
OB-03	OB 03	9-Jul-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		17.3	mg/L			
OB-03	OB 03	27-Aug-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		2.02	mg/L			
OC-04	OC 04	20-Jun-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		4.36	mg/L			
OC-04	OC 04	11-Jul-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		8.24	mg/L			
OC-04	OC 04	20-Aug-02		Water	CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN ug/l		10.1	mg/L			
SOC	SOC-3	10/16/2003	13:35	Water	Chlorophyll a, uncorrected for pheophytin		489	ug/l		1	ft
SOC	SOC-3	07/22/2003	14:20	Water	Chlorophyll a, uncorrected for pheophytin		40	ug/l		5.5	ft
SOC	SOC-3	06/30/2003	14:05	Water	Chlorophyll a, uncorrected for pheophytin		74.7	ug/l		1	ft
SOC	SOC-3	05/06/2003	14:20	Water	Chlorophyll a, uncorrected for pheophytin		6.45	ug/l		1	ft
SOC	SOC-3	08/21/2003	14:20	Water	Chlorophyll a, uncorrected for pheophytin		19.8	ug/l		4.67	ft
SOC	SOC-2	07/22/2003	13:50	Water	Chlorophyll a, uncorrected for pheophytin		52.6	ug/l		5.5	ft
SOC	SOC-2	06/30/2003	13:35	Water	Chlorophyll a, uncorrected for pheophytin		101	ug/l		1	ft
SOC	SOC-2	05/06/2003	13:45	Water	Chlorophyll a, uncorrected for pheophytin		9.88	ug/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Chlorophyll a, uncorrected for pheophytin		18.8	ug/l		4.67	ft
SOC	SOC-2	10/16/2003	13:00	Water	Chlorophyll a, uncorrected for pheophytin		90.2	ug/l		5	ft
SOC	SOC-1	06/30/2003	13:05	Water	Chlorophyll a, uncorrected for pheophytin		47.8	ug/l		1	ft
SOC	SOC-1	07/22/2003	13:15	Water	Chlorophyll a, uncorrected for pheophytin		60.2	ug/l		5.5	ft
SOC	SOC-1	05/06/2003	13:10	Water	Chlorophyll a, uncorrected for pheophytin		26	ug/l		1	ft

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
SOC	SOC-1	08/21/2003	13:15	Water	Chlorophyll a, uncorrected for pheophytin		15.4	ug/l		4.67	ft
SOC	SOC-1	10/16/2003	12:30	Water	Chlorophyll a, uncorrected for pheophytin		8.44	ug/l		6	ft
OC-95		7/22/2008	9:20:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	12.2	ug/l			
OC-95		7/29/2008	10:53:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	23	ug/l			
OC-95		9/8/2008	9:20:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	3.74	ug/l			
OC-95		9/15/2008	10:00:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	11.2	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	1.49	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	1.3	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Chlorophyll a, uncorrected for pheophytin	Total	7.28	ug/l			
ROV	ROV-3	30-Apr-99	14:00	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		44.04				
ROV	ROV-3	23-Aug-99	15:00	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		520.14				
ROV	ROV-3	22-Jul-99	13:45	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		45.24				
ROV	ROV-3	08-Jun-99	15:05	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		31.52				
ROV	ROV-3	13-Oct-99	15:00	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		59				
O-30	O 30	19-Jun-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		9.95	mg/L			
O-30	O 30	29-Aug-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		45.1	mg/L			
OB-03	OB 03	19-Jun-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		1	mg/L			
OB-03	OB 03	9-Jul-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		17.2	mg/L			
OB-03	OB 03	27-Aug-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		1	mg/L			
OC-04	OC 04	20-Jun-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		3.1	mg/L			
OC-04	OC 04	11-Jul-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		6.95	mg/L			
OC-04	OC 04	20-Aug-02		Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Fixed		7.67	mg/L			
ROV	ROV-3	30-Apr-99	14:00	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Total		41.75				
ROV	ROV-3	13-Oct-99	15:00	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Total		58.74				
ROV	ROV-3	22-Jul-99	13:45	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Total		5				
ROV	ROV-3	08-Jun-99	15:05	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Total		32.18				
ROV	ROV-3	23-Aug-99	15:00	Water	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN,Total		524.11				
ROV	ROV-1	4-Aug-92	900	Water	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.		16.43	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED		15.68	mg/L			
OC-95		7/22/2008	9:20:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OC-95		7/29/2008	10:53:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OC-95		9/8/2008	9:20:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OC-95		9/15/2008	10:00:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OCF-96		7/22/2008	8:10:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OCF-96		7/29/2008	9:45:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OCF-96		9/8/2008	8:00:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Chlorophyll-b	Total	ND	ug/l	ND		
OC-95		7/22/2008	9:20:00	Water	Chlorophyll-c	Total	1.02	ug/l			
OC-95		7/29/2008	10:53:00	Water	Chlorophyll-c	Total	1.71	ug/l			
OC-95		9/8/2008	9:20:00	Water	Chlorophyll-c	Total	ND	ug/l	ND		
OC-95		9/15/2008	10:00:00	Water	Chlorophyll-c	Total	1.19	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Chlorophyll-c	Total	ND	ug/l	ND		
OCF-96		7/29/2008	9:45:00	Water	Chlorophyll-c	Total	ND	ug/l	ND		
OCF-96		9/8/2008	8:00:00	Water	Chlorophyll-c	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Chlorophyll-c	Total	ND	ug/l	ND		
ROV	ROV-1	4-Aug-92	900	Water	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED		0	mg/L			
OC-04		10/4/2007	11:00:00	Water	Chromium	Dissolved	0.75	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Chromium	Total	1.99	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Chromium	Dissolved	0.81	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Chromium	Total	1.75	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Chromium	Dissolved	0.63	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Chromium	Total	1.01	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Chromium	Dissolved	0.64	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Chromium	Total	1.1	ug/l	J		
OCF-96		7/22/2008	8:10:00	Water	Chromium	Total	1.91	ug/l	J		
OCF-96		7/29/2008	9:45:00	Water	Chromium	Total	1.35	ug/l	J		
OCF-96		9/8/2008	8:00:00	Water	Chromium	Total	0.92	ug/l	J		
OCF-96		9/15/2008	9:00:00	Water	Chromium	Total	1.98	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Cobalt	Dissolved	0.6	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Cobalt	Total	1.37	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Cobalt	Dissolved	2.77	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Cobalt	Total	0.94	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Cobalt	Dissolved	0.91	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Cobalt	Total	0.52	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Cobalt	Dissolved	1.87	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Cobalt	Total	1.31	ug/l	J		
OCF-96		7/22/2008	8:10:00	Water	Cobalt	Total	3.4	ug/l	J		
OCF-96		7/29/2008	9:45:00	Water	Cobalt	Total	1.17	ug/l	#,J		
OCF-96		9/8/2008	8:00:00	Water	Cobalt	Total	1.15	ug/l	J		
OCF-96		9/15/2008	9:00:00	Water	Cobalt	Total	1.17	ug/l	J		
O-30	O 30	4-Jan-90	1000	Water	COD, .025N K2CR2O7 MG/L		14	mg/L			
O-30	O 30	1-Feb-90	1000	Water	COD, .025N K2CR2O7 MG/L		22	mg/L			
O-30	O 30	19-Mar-90	1000	Water	COD, .025N K2CR2O7 MG/L		16	mg/L			
O-30	O 30	25-Apr-90	1000	Water	COD, .025N K2CR2O7 MG/L		26	mg/L			
O-30	O 30	6-Jun-90	1000	Water	COD, .025N K2CR2O7 MG/L		28	mg/L			
O-30	O 30	17-Jul-90	1000	Water	COD, .025N K2CR2O7 MG/L		17	mg/L			
O-30	O 30	12-Sep-90	1000	Water	COD, .025N K2CR2O7 MG/L		17	mg/L			
O-30	O 30	23-Oct-90	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
O-30	O 30	10-Dec-90	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
O-30	O 30	14-Jan-91	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
O-30	O 30	27-Feb-91	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
O-30	O 30	1-Apr-91	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
O-30	O 30	15-May-91	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
O-30	O 30	18-Jun-91	1000	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
O-30	O 30	1-Aug-91	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
O-30	O 30	24-Sep-91	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
O-30	O 30	12-Nov-91	1000	Water	COD, .025N K2CR2O7 MG/L		27	mg/L			
O-30	O 30	17-Dec-91	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
O-30	O 30	13-Jan-92	1000	Water	COD, .025N K2CR2O7 MG/L		22	mg/L			
O-30	O 30	18-Feb-92	1000	Water	COD, .025N K2CR2O7 MG/L		21	mg/L			
O-30	O 30	30-Mar-92	1000	Water	COD, .025N K2CR2O7 MG/L		23	mg/L			
O-30	O 30	29-Apr-92	1000	Water	COD, .025N K2CR2O7 MG/L		23	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	11-Jun-92	1000	Water	COD, .025N K2CR2O7 MG/L		21	mg/L			
O-30	O 30	13-Aug-92	1000	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
O-30	O 30	15-Sep-92	1000	Water	COD, .025N K2CR2O7 MG/L		16	mg/L			
O-30	O 30	2-Nov-92	700	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
O-30	O 30	3-Dec-92	1000	Water	COD, .025N K2CR2O7 MG/L		16	mg/L			
O-30	O 30	14-Jan-93	1000	Water	COD, .025N K2CR2O7 MG/L		21	mg/L			
O-30	O 30	24-Feb-93	1000	Water	COD, .025N K2CR2O7 MG/L		27	mg/L			
O-30	O 30	27-Apr-93	1100	Water	COD, .025N K2CR2O7 MG/L		25	mg/L			
O-30	O 30	24-May-93	1000	Water	COD, .025N K2CR2O7 MG/L		24	mg/L			
O-30	O 30	23-Jun-93	1000	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
O-30	O 30	9-Aug-93	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
O-30	O 30	20-Sep-93	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
O-30	O 30	6-Oct-93	1000	Water	COD, .025N K2CR2O7 MG/L		27	mg/L			
OC-04	OC 04	29-Jan-90	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	COD, .025N K2CR2O7 MG/L		27	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	COD, .025N K2CR2O7 MG/L		13	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	COD, .025N K2CR2O7 MG/L		22	mg/L			
OC-04	OC 04	1-Oct-90	1100	Water	COD, .025N K2CR2O7 MG/L		25	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	COD, .025N K2CR2O7 MG/L		26	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	COD, .025N K2CR2O7 MG/L		21	mg/L			
OC-04	OC 04	5-Mar-91	1000	Water	COD, .025N K2CR2O7 MG/L		14	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	COD, .025N K2CR2O7 MG/L		13	mg/L			
OC-04	OC 04	22-May-91	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	COD, .025N K2CR2O7 MG/L		37	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	COD, .025N K2CR2O7 MG/L		22	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	COD, .025N K2CR2O7 MG/L		33	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	COD, .025N K2CR2O7 MG/L		38	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	COD, .025N K2CR2O7 MG/L		26	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
OC-04	OC 04	21-Jul-92	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	COD, .025N K2CR2O7 MG/L		17	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	COD, .025N K2CR2O7 MG/L		17	mg/L			
OC-04	OC 04	3-Feb-93	1000	Water	COD, .025N K2CR2O7 MG/L		18	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	6-Apr-93	1200	Water	COD, .025N K2CR2O7 MG/L		19	mg/L			
OC-04	OC 04	4-May-93	1200	Water	COD, .025N K2CR2O7 MG/L		42	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	COD, .025N K2CR2O7 MG/L		16	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	COD, .025N K2CR2O7 MG/L		20	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	COD, .025N K2CR2O7 MG/L		15	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	COD, .025N K2CR2O7 MG/L		28	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	COD, .025N K2CR2O7 MG/L		24	mg/L			
OC-04		10/4/2007	11:00:00	Water	Copper	Dissolved	7.32	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Copper	Total	8.18	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Copper	Dissolved	5.29	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Copper	Total	6.16	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Copper	Dissolved	6.41	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Copper	Total	6.78	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Copper	Dissolved	4.48	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Copper	Total	5.64	ug/l	J		
OCF-96		7/22/2008	8:10:00	Water	Copper	Total	6.57	ug/l	J		
OCF-96		7/29/2008	9:45:00	Water	Copper	Total	4.11	ug/l	J		
OCF-96		9/8/2008	8:00:00	Water	Copper	Total	4.39	ug/l	J		
OCF-96		9/15/2008	9:00:00	Water	Copper	Total	4.93	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Cyanide	Total	0.004	mg/l	J		
OC-04		8/19/2008	11:00:00	Water	Cyanide	Total	0.01	mg/l			
OC-04		9/29/2008	10:00:00	Water	Cyanide	Total	ND	mg/l	ND		
SOC	SOC-3	07/22/2003	14:20	Water	Depth		4	ft		5.5	ft
SOC	SOC-3	08/21/2003	14:20	Sediment	Depth		14	ft		8	ft
SOC	SOC-3	08/21/2003	14:20	Water	Depth		4	ft		4.67	ft
SOC	SOC-3	08/21/2003	14:20	Sediment	Depth		14	ft		26	ft
SOC	SOC-3	10/16/2003	13:35	Water	Depth		1	ft		1	ft
SOC	SOC-3	10/16/2003	13:35	Water	Depth		5	ft		1	ft
SOC	SOC-3	06/30/2003	14:05	Water	Depth		4	ft		1	ft
SOC	SOC-3	05/06/2003	14:20	Water	Depth		7	ft		1	ft
SOC	SOC-3	05/06/2003	14:20	Water	Depth		1	ft		1	ft
SOC	SOC-3	07/22/2003	14:20	Water	Depth		1	ft		1	ft
SOC	SOC-3	08/21/2003	14:20	Water	Depth		1	ft		1	ft
SOC	SOC-3	06/30/2003	14:05	Water	Depth		1	ft		12	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth		1	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth		5	ft		4.67	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth		5	ft		5	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth		12	ft		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth		12	ft		8	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth		12	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth		12	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth		1	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth		12	ft		8	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth		12	ft		1	ft
SOC	SOC-2	05/06/2003	13:45	Water	Depth		12	ft		12	ft
SOC	SOC-2	05/06/2003	13:45	Water	Depth		12	ft		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth		1	ft		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth		12	ft		12	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth		12	ft		12	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth		3	ft		1	ft
SOC	SOC-2	05/06/2003	17:45	Water	Depth		1	ft		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth		4	ft		5.5	ft
SOC	SOC-2	05/06/2003	13:45	Water	Depth		8	ft		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth		12	ft		8	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth		12	ft		8	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth		12	ft		8	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth		12	ft		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth		12	ft		1	ft
SOC	SOC-1	05/06/2003	13:10	Water	Depth		10	ft		1	ft
SOC	SOC-1	05/06/2003	13:10	Water	Depth		1	ft		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	Depth		6	ft		6	ft
SOC	SOC-1	10/16/2003	12:30	Water	Depth		45	ft		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	Depth		1	ft		1	ft
SOC	SOC-1	08/21/2003	13:15	Sediment	Depth		48	ft		26	ft
SOC	SOC-1	08/21/2003	13:15	Water	Depth		46	ft		1	ft
SOC	SOC-1	08/21/2003	13:15	Water	Depth		1	ft		1	ft
SOC	SOC-1	08/21/2003	13:15	Water	Depth		4	ft		4.67	ft
SOC	SOC-1	05/06/2003	13:10	Water	Depth		47	ft		1	ft
SOC	SOC-1	08/21/2003	13:15	Sediment	Depth		48	ft		8	ft
SOC	SOC-1	07/22/2003	13:15	Water	Depth		4	ft		5.5	ft
SOC	SOC-1	07/22/2003	13:15	Water	Depth		47	ft		1	ft
SOC	SOC-1	07/22/2003	13:15	Water	Depth		1	ft		1	ft
SOC	SOC-1	06/30/2003	13:05	Water	Depth		6	ft		1	ft
SOC	SOC-1	06/30/2003	13:50	Water	Depth		46	ft		12	ft

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
SOC	SOC-1	06/30/2003	13:35	Water	Depth		1	ft		12	ft
SOC	SOC-1	06/30/2003	13:05	Water	Depth		1	ft		20	ft
ROV	ROV-3	08-Jun-99	15:05	Water	Depth		1	ft			
ROV	ROV-3	22-Jul-99	13:45	Water	Depth		1	ft			
ROV	ROV-3	30-Apr-99	14:00	Water	Depth		2	ft			
ROV	ROV-3	22-Jul-99	13:45	Water	Depth		2	ft			
ROV	ROV-3	23-Aug-99	15:30	Sediment	Depth		3	ft			
ROV	ROV-3	22-Jul-99	13:45	Water	Depth		0	ft			
ROV	ROV-3	08-Jun-99	15:05	Water	Depth		3	ft			
ROV	ROV-3	23-Aug-99	15:00	Water	Depth		0	ft			
ROV	ROV-3	30-Apr-99	14:00	Water	Depth		0	ft			
ROV	ROV-3	30-Apr-99	14:00	Water	Depth		1	ft			
ROV	ROV-3	30-Apr-99	14:00	Water	Depth		1	ft			
ROV	ROV-3	30-Apr-99	14:00	Water	Depth		2	ft			
ROV	ROV-3	13-Oct-99	15:00	Water	Depth		1	ft			
ROV	ROV-3	22-Jul-99	13:45	Water	Depth		1	ft			
ROV	ROV-3	08-Jun-99	15:05	Water	Depth		2.5	ft			
ROV	ROV-3	13-Oct-99	15:00	Water	Depth		0	ft			
ROV	ROV-3	22-Jul-99	13:45	Water	Depth		2	ft			
ROV	ROV-3	23-Aug-99	15:00	Water	Depth		1	ft			
ROV	ROV-3	08-Jun-99	15:05	Water	Depth		0	ft			
ROV	ROV-3	23-Aug-99	15:00	Water	Depth		1	ft			
ROV	ROV-3	08-Jun-99	15:05	Water	Depth		1	ft			
ROV	ROV-3	13-Oct-99	15:00	Water	Depth		1	ft			
ROV	ROV-3	13-Oct-99	15:00	Water	Depth		1	ft			
ROV	ROV-3	23-Aug-99	15:00	Water	Depth		1	ft			
O-20	O 20	29-Oct-02		Water	DEPTH ft		1	mg/L			
O-20	O 20	26-Nov-02		Water	DEPTH ft		1	mg/L			
O-30	O 30	19-Jun-02		Water	DEPTH ft		1	mg/L			
O-30	O 30	29-Aug-02		Water	DEPTH ft		1	mg/L			
OB-03	OB 03	19-Jun-02		Water	DEPTH ft		1	mg/L			
OB-03	OB 03	9-Jul-02		Water	DEPTH ft		1	mg/L			
OB-03	OB 03	27-Aug-02		Water	DEPTH ft		1	mg/L			
OC-04	OC 04	20-Jun-02		Water	DEPTH ft		1	mg/L			
OC-04	OC 04	11-Jul-02		Water	DEPTH ft		1	mg/L			
OC-04	OC 04	20-Aug-02		Water	DEPTH ft		1	mg/L			
ROV	ROV-1	15-May-90	1130	Water	DEPTH OF POND OR RESERVOIR IN FEET		18	mg/L			
ROV	ROV-2	15-May-90	1142	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-3	15-May-90	1200	Water	DEPTH OF POND OR RESERVOIR IN FEET		9	mg/L			
ROV	ROV-1	30-May-90	1100	Water	DEPTH OF POND OR RESERVOIR IN FEET		17.5	mg/L			
ROV	ROV-2	30-May-90	1115	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	30-May-90	1121	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-1	14-Jun-90	1100	Water	DEPTH OF POND OR RESERVOIR IN FEET		17.5	mg/L			
ROV	ROV-2	14-Jun-90	1110	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	14-Jun-90	1114	Water	DEPTH OF POND OR RESERVOIR IN FEET		11	mg/L			
ROV	ROV-1	25-Jun-90	1205	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-2	25-Jun-90	1210	Water	DEPTH OF POND OR RESERVOIR IN FEET		14.5	mg/L			
ROV	ROV-3	25-Jun-90	1217	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	12-Jul-90	1230	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-2	12-Jul-90	1241	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	12-Jul-90	1250	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	25-Jul-90	1100	Water	DEPTH OF POND OR RESERVOIR IN FEET		16.5	mg/L			
ROV	ROV-2	25-Jul-90	1110	Water	DEPTH OF POND OR RESERVOIR IN FEET		13	mg/L			
ROV	ROV-3	25-Jul-90	1121	Water	DEPTH OF POND OR RESERVOIR IN FEET		11	mg/L			
ROV	ROV-1	13-Aug-90	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-2	13-Aug-90	1312	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	13-Aug-90	1321	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-1	22-Aug-90	1400	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-2	22-Aug-90	1409	Water	DEPTH OF POND OR RESERVOIR IN FEET		13	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
ROV	ROV-3	22-Aug-90	1414	Water	DEPTH OF POND OR RESERVOIR IN FEET		11	mg/L			
ROV	ROV-1	14-Sep-90	1030	Water	DEPTH OF POND OR RESERVOIR IN FEET		16.5	mg/L			
ROV	ROV-2	14-Sep-90	1041	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-3	14-Sep-90	1050	Water	DEPTH OF POND OR RESERVOIR IN FEET		9	mg/L			
ROV	ROV-1	26-Sep-90	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		16	mg/L			
ROV	ROV-2	26-Sep-90	1311	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-3	26-Sep-90	1318	Water	DEPTH OF POND OR RESERVOIR IN FEET		9	mg/L			
ROV	ROV-1	15-Oct-90	800	Water	DEPTH OF POND OR RESERVOIR IN FEET		18	mg/L			
ROV	ROV-2	15-Oct-90	810	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	15-Oct-90	814	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-1	24-Oct-90	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		16	mg/L			
ROV	ROV-2	24-Oct-90	1306	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	24-Oct-90	1310	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-1	12-May-92	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		21	mg/L			
ROV	ROV-2	12-May-92	1315	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-3	12-May-92	1319	Water	DEPTH OF POND OR RESERVOIR IN FEET		10.5	mg/L			
ROV	ROV-1	29-May-92	1310	Water	DEPTH OF POND OR RESERVOIR IN FEET		21	mg/L			
ROV	ROV-2	29-May-92	1315	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-3	29-May-92	1330	Water	DEPTH OF POND OR RESERVOIR IN FEET		11	mg/L			
ROV	ROV-1	10-Jun-92	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	10-Jun-92	1310	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-3	10-Jun-92	1317	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	30-Jun-92	825	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-2	30-Jun-92	830	Water	DEPTH OF POND OR RESERVOIR IN FEET		14.5	mg/L			
ROV	ROV-3	30-Jun-92	836	Water	DEPTH OF POND OR RESERVOIR IN FEET		10.5	mg/L			
ROV	ROV-1	15-Jul-92	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		17	mg/L			
ROV	ROV-2	15-Jul-92	1305	Water	DEPTH OF POND OR RESERVOIR IN FEET		12	mg/L			
ROV	ROV-3	15-Jul-92	1311	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	DEPTH OF POND OR RESERVOIR IN FEET		19	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	DEPTH OF POND OR RESERVOIR IN FEET		19	mg/L			
ROV	ROV-1	14-May-93	1100	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	14-May-93	1105	Water	DEPTH OF POND OR RESERVOIR IN FEET		15	mg/L			
ROV	ROV-3	14-May-93	1115	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	26-May-93	1245	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	26-May-93	1250	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			
ROV	ROV-3	26-May-93	1300	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	11-Jun-93	830	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	11-Jun-93	835	Water	DEPTH OF POND OR RESERVOIR IN FEET		15	mg/L			
ROV	ROV-3	11-Jun-93	838	Water	DEPTH OF POND OR RESERVOIR IN FEET		10	mg/L			
ROV	ROV-1	28-Jun-93	800	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	28-Jun-93	805	Water	DEPTH OF POND OR RESERVOIR IN FEET		14	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
ROV	ROV-3	28-Jun-93	809	Water	DEPTH OF POND OR RESERVOIR IN FEET		9	mg/L			
ROV	ROV-1	12-Jul-93	800	Water	DEPTH OF POND OR RESERVOIR IN FEET		19	mg/L			
ROV	ROV-2	12-Jul-93	810	Water	DEPTH OF POND OR RESERVOIR IN FEET		13	mg/L			
ROV	ROV-3	12-Jul-93	814	Water	DEPTH OF POND OR RESERVOIR IN FEET		8.5	mg/L			
ROV	ROV-1	27-Jul-93	900	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	27-Jul-93	905	Water	DEPTH OF POND OR RESERVOIR IN FEET		13	mg/L			
ROV	ROV-3	27-Jul-93	912	Water	DEPTH OF POND OR RESERVOIR IN FEET		9	mg/L			
ROV	ROV-1	9-Aug-93	1000	Water	DEPTH OF POND OR RESERVOIR IN FEET		20	mg/L			
ROV	ROV-2	9-Aug-93	1007	Water	DEPTH OF POND OR RESERVOIR IN FEET		12.5	mg/L			
ROV	ROV-3	9-Aug-93	1010	Water	DEPTH OF POND OR RESERVOIR IN FEET		9	mg/L			
SOC	SOC-3	08/21/2003	14:20	Water	Depth, bottom		14	ft		1	ft
SOC	SOC-3	07/22/2003	14:20	Water	Depth, bottom		16	ft		1	ft
SOC	SOC-3	05/06/2003	14:20	Water	Depth, bottom		17	ft		1	ft
SOC	SOC-3	10/16/2003	13:35	Water	Depth, bottom		15	ft		1	ft
SOC	SOC-3	06/30/2003	14:05	Water	Depth, bottom		17	ft		12	ft
SOC	SOC-2	05/06/2003	13:45	Water	Depth, bottom		24	ft		12	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth, bottom		23	ft		8	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth, bottom		24	ft		12	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth, bottom		24	ft		8	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth, bottom		23	ft		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth, bottom		23	ft		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth, bottom		24	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth, bottom		23	ft		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	Depth, bottom		23	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth, bottom		23	ft		1	ft
SOC	SOC-2	05/06/2003	13:45	Water	Depth, bottom		24	ft		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth, bottom		24	ft		8	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth, bottom		24	ft		8	ft
SOC	SOC-2	05/06/2003	17:45	Water	Depth, bottom		24	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth, bottom		23	ft		8	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth, bottom		24	ft		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	Depth, bottom		24	ft		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	Depth, bottom		23	ft		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	Depth, bottom		24	ft		12	ft
SOC	SOC-1	06/30/2003	13:35	Water	Depth, bottom		24	ft		12	ft
SOC	SOC-1	07/22/2003	13:15	Water	Depth, bottom		49	ft		1	ft
SOC	SOC-1	05/06/2003	13:10	Water	Depth, bottom		49	ft		1	ft
SOC	SOC-1	05/06/2003	13:10	Water	Depth, bottom		49	ft		1	ft
SOC	SOC-1	06/30/2003	13:50	Water	Depth, bottom		48	ft		12	ft
SOC	SOC-1	08/21/2003	13:15	Water	Depth, bottom		48	ft		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	Depth, bottom		47	ft		1	ft
SOC	SOC-1	06/30/2003	13:05	Water	Depth, bottom		48	ft		20	ft
SOC	SOC-1	10/16/2003	12:30	Water	Depth, bottom		47	ft		1	ft
SOC	SOC-1	08/21/2003	13:15	Water	Depth, bottom		48	ft		1	ft
SOC	SOC-1	07/22/2003	13:15	Water	Depth, bottom		49	ft		1	ft
ROV	ROV-3	13-Oct-99	15:00	Water	Depth, bottom		3	ft			
ROV	ROV-3	23-Aug-99	15:00	Water	Depth, bottom		3	ft			
ROV	ROV-3	22-Jul-99	13:45	Water	Depth, bottom		13	ft			
ROV	ROV-3	30-Apr-99	14:00	Water	Depth, bottom		4	ft			
ROV	ROV-3	08-Jun-99	15:05	Water	Depth, bottom		4.5	ft			
O-20	O 20	29-Oct-02		Water	Dissolved Oxygen		7.1	mg/L			
O-20	O 20	26-Nov-02		Water	Dissolved Oxygen		11	mg/L			
O-30	O 30	9-Aug-93	1000	Water	Dissolved Oxygen		1.1	mg/L			
O-30	O 30	1-Aug-91	1000	Water	Dissolved Oxygen		2.5	mg/L			
O-30	O 30	11-Jun-92	1000	Water	Dissolved Oxygen		2.5	mg/L			
O-30	O 30	6-Oct-93	1000	Water	Dissolved Oxygen		2.8	mg/L			
O-30	O 30	12-Sep-90	1000	Water	Dissolved Oxygen		2.9	mg/L			
O-30	O-30	4-Sep-03	0.333333333	Water	Dissolved Oxygen		3.1	mg/L			
O-30	O-30	15-Aug-05	0.458333333	Water	Dissolved Oxygen		3.1	mg/L			
O-30	O 30	16-Jun-99		Water	Dissolved Oxygen		3.3	mg/L			
O-30	O-30	12-Oct-05	0.416666667	Water	Dissolved Oxygen		3.3	mg/L			
O-30	O 30	15-Jul-98	900	Water	Dissolved Oxygen		3.3	mg/L			
O-30	O 30	4-Jun-01		Water	Dissolved Oxygen		3.8	mg/L			
O-30	O 30	24-May-93	1000	Water	Dissolved Oxygen		3.9	mg/L			
O-30	O 30	20-Sep-93	1000	Water	Dissolved Oxygen		3.9	mg/L			
O-30	O-30	21-Sep-05	0.5	Water	Dissolved Oxygen		4.1	mg/L			
O-30	O 30	15-May-95	1000	Water	Dissolved Oxygen		4.2	mg/L			
O-30	O 30	1-Apr-91	1000	Water	Dissolved Oxygen		4.3	mg/L			
O-30	O-30	26-May-04	0.458333333	Water	Dissolved Oxygen		4.4	mg/L			
O-30	O-30	18-Jun-03	0.4375	Water	Dissolved Oxygen		4.6	mg/L			
O-30	O 30	24-Sep-91	1000	Water	Dissolved Oxygen		4.7	mg/L			
O-30	O 30	13-Aug-92	1000	Water	Dissolved Oxygen		4.7	mg/L			
O-30	O 30	7-Oct-98	900	Water	Dissolved Oxygen		4.7	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	21-Aug-01		Water	Dissolved Oxygen		4.9	mg/L			
O-30	O 30	28-Sep-94	900	Water	Dissolved Oxygen		4.9	mg/L			
O-30	O 30	23-Jun-93	1000	Water	Dissolved Oxygen		5.1	mg/L			
O-30	O 30	13-Nov-96	900	Water	Dissolved Oxygen		5.1	mg/L			
O-30	O 30	7-Apr-99		Water	Dissolved Oxygen		5.2	mg/L			
O-30	O 30	6-Jun-90	1000	Water	Dissolved Oxygen		5.3	mg/L			
O-30	O 30	17-Jul-01		Water	Dissolved Oxygen		5.4	mg/L			
O-30	O 30	19-Jun-02		Water	Dissolved Oxygen		5.5	mg/L			
O-30	O 30	15-Sep-92	1000	Water	Dissolved Oxygen		5.5	mg/L			
O-30	O 30	8-Jun-98	900	Water	Dissolved Oxygen		5.5	mg/L			
O-30	O 30	20-Sep-99		Water	Dissolved Oxygen		5.6	mg/L			
O-30	O 30	13-Jul-94	900	Water	Dissolved Oxygen		5.6	mg/L			
O-30	O 30	18-Jun-91	1000	Water	Dissolved Oxygen		5.7	mg/L			
O-30	O 30	9-Nov-94	1000	Water	Dissolved Oxygen		5.7	mg/L			
O-30	O 30	24-Aug-98	900	Water	Dissolved Oxygen		5.7	mg/L			
O-30	O-30	9-Sep-04	0.479166667	Water	Dissolved Oxygen		5.8	mg/L			
O-30	O 30	3-Jun-96	1000	Water	Dissolved Oxygen		5.8	mg/L			
O-30	O 30	6-Aug-99		Water	Dissolved Oxygen		5.9	mg/L			
O-30	O 30	12-Nov-91	1000	Water	Dissolved Oxygen		5.9	mg/L			
O-30	O 30	18-Nov-98	900	Water	Dissolved Oxygen		5.9	mg/L			
O-30	O 30	11-May-99		Water	Dissolved Oxygen		6	mg/L			
O-30	O-30	23-Jun-04	0.479166667	Water	Dissolved Oxygen		6	mg/L			
O-30	O 30	24-Apr-96	1000	Water	Dissolved Oxygen		6.1	mg/L			
O-30	O 30	18-May-00		Water	Dissolved Oxygen		6.2	mg/L			
O-30	O 30	9-Oct-01		Water	Dissolved Oxygen		6.3	mg/L			
O-30	O 30	29-Apr-92	1000	Water	Dissolved Oxygen		6.3	mg/L			
O-30	O-30	27-May-03	0.416666667	Water	Dissolved Oxygen		6.4	mg/L			
O-30	O 30	17-Jul-90	1000	Water	Dissolved Oxygen		6.4	mg/L			
O-30	O 30	14-Jun-95	1000	Water	Dissolved Oxygen		6.4	mg/L			
O-30	O 30	15-Jul-96	1000	Water	Dissolved Oxygen		6.4	mg/L			
O-30	O 30	15-Jun-00		Water	Dissolved Oxygen		6.5	mg/L			
O-30	O 30	22-Jul-02		Water	Dissolved Oxygen		6.5	mg/L			
O-30	O 30	27-Apr-93	1100	Water	Dissolved Oxygen		6.5	mg/L			
O-30	O 30	26-Aug-96	1000	Water	Dissolved Oxygen		6.5	mg/L			
O-30	O-30	4-Aug-03	0.416666667	Water	Dissolved Oxygen		6.6	mg/L			
O-30	O 30	5-Sep-95	1000	Water	Dissolved Oxygen		6.6	mg/L			
O-30	O 30	20-Apr-00		Water	Dissolved Oxygen		6.7	mg/L			
O-30	O-30	25-Apr-03	0.489583333	Water	Dissolved Oxygen		6.7	mg/L			
O-30	O 30	21-Jul-95	1000	Water	Dissolved Oxygen		6.7	mg/L			
O-30	O 30	25-Sep-00		Water	Dissolved Oxygen		6.8	mg/L			
O-30	O 30	29-Aug-02		Water	Dissolved Oxygen		6.8	mg/L			
O-30	O 30	25-Apr-90	1000	Water	Dissolved Oxygen		6.8	mg/L			
O-30	O 30	27-Jan-99		Water	Dissolved Oxygen		6.9	mg/L			
O-30	O-30	15-Oct-03	0.458333333	Water	Dissolved Oxygen		6.9	mg/L			
O-30	O 30	7-Jul-97	900	Water	Dissolved Oxygen		6.9	mg/L			
O-30	O 30	11-May-98	900	Water	Dissolved Oxygen		6.9	mg/L			
O-30	O-30	12-Aug-04	0.5	Water	Dissolved Oxygen		7	mg/L			
O-30	O-30	1-Dec-05	0.416666667	Water	Dissolved Oxygen		7	mg/L			
O-30	O 30	19-Mar-90	1000	Water	Dissolved Oxygen		7.2	mg/L			
O-30	O 30	16-Feb-99		Water	Dissolved Oxygen		7.3	mg/L			
O-30	O 30	27-Jul-00		Water	Dissolved Oxygen		7.3	mg/L			
O-30	O 30	12-Aug-97	900	Water	Dissolved Oxygen		7.3	mg/L			
O-30	O 30	1-May-02		Water	Dissolved Oxygen		7.4	mg/L			
O-30	O 30	2-Nov-92	700	Water	Dissolved Oxygen		7.5	mg/L			
O-30	O 30	18-May-94	1000	Water	Dissolved Oxygen		7.5	mg/L			
O-30	O 30	29-Oct-02	367.375	Water	Dissolved Oxygen		7.6	mg/L			
O-30	O 30	2-Nov-00		Water	Dissolved Oxygen		7.7	mg/L			
O-30	O-30	15-Nov-04	0.5	Water	Dissolved Oxygen		7.7	mg/L			
O-30	O 30	2-Nov-99		Water	Dissolved Oxygen		7.9	mg/L			
O-30	O 30	2-Jun-94	1000	Water	Dissolved Oxygen		7.9	mg/L			
O-30	O 30	9-Mar-00		Water	Dissolved Oxygen		8.3	mg/L			
O-30	O 30	16-Oct-96	900	Water	Dissolved Oxygen		8.3	mg/L			
O-30	O 30	31-Mar-97	900	Water	Dissolved Oxygen		8.3	mg/L			
O-30	O 30	12-Nov-97	900	Water	Dissolved Oxygen		8.5	mg/L			
O-30	O 30	10-Sep-97	900	Water	Dissolved Oxygen		8.6	mg/L			
O-30	O 30	23-Nov-93	1000	Water	Dissolved Oxygen		8.7	mg/L			
O-30	O 30	3-Jun-97	1000	Water	Dissolved Oxygen		8.8	mg/L			
O-30	O 30	26-Mar-98	900	Water	Dissolved Oxygen		8.8	mg/L			
O-30	O 30	23-Oct-90	1000	Water	Dissolved Oxygen		8.9	mg/L			
O-30	O 30	14-Dec-94	1000	Water	Dissolved Oxygen		8.9	mg/L			
O-30	O 30	13-Dec-99		Water	Dissolved Oxygen		9.1	mg/L			
O-30	O-30	5-Jan-05	0.5625	Water	Dissolved Oxygen		9.1	mg/L			
O-30	O 30	22-Mar-95	1100	Water	Dissolved Oxygen		9.2	mg/L			
O-30	O 30	7-Nov-95	900	Water	Dissolved Oxygen		9.3	mg/L			
O-30	O 30	15-May-91	1000	Water	Dissolved Oxygen		9.4	mg/L			
O-30	O 30	10-Dec-97	900	Water	Dissolved Oxygen		9.4	mg/L			
O-30	O 30	17-Dec-91	1000	Water	Dissolved Oxygen		9.5	mg/L			
O-30	O 30	30-Mar-92	1000	Water	Dissolved Oxygen		9.7	mg/L			
O-30	O 30	21-Mar-01		Water	Dissolved Oxygen		9.8	mg/L			
O-30	O 30	14-Nov-01		Water	Dissolved Oxygen		10.3	mg/L			
O-30	O 30	6-Dec-00		Water	Dissolved Oxygen		10.5	mg/L			
O-30	O 30	10-Dec-90	1000	Water	Dissolved Oxygen		10.5	mg/L			
O-30	O 30	3-Dec-92	1000	Water	Dissolved Oxygen		10.5	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	13-Feb-01		Water	Dissolved Oxygen		10.7	mg/L			
O-30	O-30	20-May-05	0.447916667	Water	Dissolved Oxygen		10.7	mg/L			
O-30	O 30	13-Jan-92	1000	Water	Dissolved Oxygen		10.9	mg/L			
O-30	O 30	27-Mar-02		Water	Dissolved Oxygen		11.1	mg/L			
O-30	O 30	14-Jan-91	1000	Water	Dissolved Oxygen		11.1	mg/L			
O-30	O 30	27-Feb-91	1000	Water	Dissolved Oxygen		11.1	mg/L			
O-30	O-30	19-Apr-04	0.458333333	Water	Dissolved Oxygen		11.3	mg/L			
O-30	O 30	1-Feb-90	1000	Water	Dissolved Oxygen		11.3	mg/L			
O-30	O 30	18-Feb-92	1000	Water	Dissolved Oxygen		11.3	mg/L			
O-30	O 30	18-Jan-95	1000	Water	Dissolved Oxygen		11.3	mg/L			
O-30	O 30	15-Jan-98	900	Water	Dissolved Oxygen		11.3	mg/L			
O-30	O 30	19-Feb-97	900	Water	Dissolved Oxygen		11.5	mg/L			
O-30	O 30	4-Jan-90	1000	Water	Dissolved Oxygen		11.7	mg/L			
O-30	O 30	31-Jan-94	1000	Water	Dissolved Oxygen		11.8	mg/L			
O-30	O 30	24-Jan-01		Water	Dissolved Oxygen		12.1	mg/L			
O-30	O-30	10-Dec-03	0.458333333	Water	Dissolved Oxygen		12.1	mg/L			
O-30	O 30	27-Mar-96	1000	Water	Dissolved Oxygen		12.1	mg/L			
O-30	O-30	10-Mar-05	0.479166667	Water	Dissolved Oxygen		12.3	mg/L			
O-30	O 30	8-Jan-02		Water	Dissolved Oxygen		12.5	mg/L			
O-30	O-30	21-Jan-04	0.5	Water	Dissolved Oxygen		12.5	mg/L			
O-30	O-30	1-Feb-05	0.458333333	Water	Dissolved Oxygen		12.5	mg/L			
O-30	O 30	28-Feb-94	1000	Water	Dissolved Oxygen		12.5	mg/L			
O-30	O 30	30-Mar-94	1000	Water	Dissolved Oxygen		12.5	mg/L			
O-30	O 30	14-Jan-93	1000	Water	Dissolved Oxygen		12.6	mg/L			
O-30	O 30	24-Feb-93	1000	Water	Dissolved Oxygen		12.6	mg/L			
O-30	O-30	26-Feb-04	0.541666667	Water	Dissolved Oxygen		12.7	mg/L			
O-30	O-30	22-Jun-05	0.420138889	Water	Dissolved Oxygen		12.8	mg/L			
O-30	O 30	13-Dec-95	1000	Water	Dissolved Oxygen		12.9	mg/L			
O-30	O 30	19-Dec-02	367.2916667	Water	Dissolved Oxygen		13	mg/L			
O-30	O-30	6-Mar-03	0.458333333	Water	Dissolved Oxygen		13.4	mg/L			
O-30	O-30	6-Apr-05	0.583333333	Water	Dissolved Oxygen		13.5	mg/L			
O-30	O 30	16-Feb-95	1000	Water	Dissolved Oxygen		13.5	mg/L			
O-30	O 30	17-Feb-98	900	Water	Dissolved Oxygen		13.5	mg/L			
O-30	O 30	13-Feb-02		Water	Dissolved Oxygen		13.6	mg/L			
O-30	O 30	20-Feb-96	1000	Water	Dissolved Oxygen		14.2	mg/L			
O-30	O 30	13-Jan-97	900	Water	Dissolved Oxygen		14.4	mg/L			
O-30	O 30	1-Feb-00		Water	Dissolved Oxygen		14.8	mg/L			
O-30	O 30	24-Jan-96	1000	Water	Dissolved Oxygen		14.9	mg/L			
O-30	O-30	29-Jan-03	0.489583333	Water	Dissolved Oxygen		17.3	mg/L			
OB-03	OB 03	19-Jun-02		Water	Dissolved Oxygen		3.8	mg/L			
OB-03	OB 03	9-Jul-02		Water	Dissolved Oxygen		4	mg/L			
OB-03	OB 03	27-Aug-02		Water	Dissolved Oxygen		5.1	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	Dissolved Oxygen		6.2	mg/L			
OB-03	OB 03	15-Nov-96	1200	Water	Dissolved Oxygen		9.3	mg/L			
OC-04	OC 04	1-Feb-99		Water	Dissolved Oxygen		10.8	mg/L			
OC-04	OC 04	3-Mar-99		Water	Dissolved Oxygen		7.3	mg/L			
OC-04	OC 04	1-Apr-99		Water	Dissolved Oxygen		9.1	mg/L			
OC-04	OC 04	12-May-99		Water	Dissolved Oxygen		6.7	mg/L			
OC-04	OC 04	9-Jun-99		Water	Dissolved Oxygen		4.2	mg/L			
OC-04	OC 04	5-Aug-99		Water	Dissolved Oxygen		6.2	mg/L			
OC-04	OC 04	15-Sep-99		Water	Dissolved Oxygen		7.7	mg/L			
OC-04	OC 04	3-Nov-99		Water	Dissolved Oxygen		7.9	mg/L			
OC-04	OC 04	18-Jan-00		Water	Dissolved Oxygen		12.5	mg/L			
OC-04	OC 04	10-Feb-00		Water	Dissolved Oxygen		12	mg/L			
OC-04	OC 04	26-Apr-00		Water	Dissolved Oxygen		7.7	mg/L			
OC-04	OC 04	29-Jun-00		Water	Dissolved Oxygen		5.5	mg/L			
OC-04	OC 04	18-Jul-00		Water	Dissolved Oxygen		5.5	mg/L			
OC-04	OC 04	27-Sep-00		Water	Dissolved Oxygen		6.6	mg/L			
OC-04	OC 04	8-Nov-00		Water	Dissolved Oxygen		7.8	mg/L			
OC-04	OC 04	4-Dec-00		Water	Dissolved Oxygen		11.5	mg/L			
OC-04	OC 04	11-Jan-01		Water	Dissolved Oxygen		13	mg/L			
OC-04	OC 04	12-Mar-01		Water	Dissolved Oxygen		10.5	mg/L			
OC-04	OC 04	4-Apr-01		Water	Dissolved Oxygen		8.6	mg/L			
OC-04	OC 04	7-May-01		Water	Dissolved Oxygen		4.8	mg/L			
OC-04	OC 04	8-Aug-01		Water	Dissolved Oxygen		6.1	mg/L			
OC-04	OC 04	13-Sep-01		Water	Dissolved Oxygen		7	mg/L			
OC-04	OC 04	5-Nov-01		Water	Dissolved Oxygen		8.1	mg/L			
OC-04	OC 04	6-Dec-01		Water	Dissolved Oxygen		8.4	mg/L			
OC-04	OC 04	16-Jan-02		Water	Dissolved Oxygen		11.5	mg/L			
OC-04	OC 04	4-Mar-02		Water	Dissolved Oxygen		12.4	mg/L			
OC-04	OC 04	1-Apr-02		Water	Dissolved Oxygen		8	mg/L			
OC-04	OC 04	8-May-02		Water	Dissolved Oxygen		6.8	mg/L			
OC-04	OC 04	20-Jun-02		Water	Dissolved Oxygen		6.8	mg/L			
OC-04	OC 04	11-Jul-02		Water	Dissolved Oxygen		6.1	mg/L			
OC-04	OC 04	20-Aug-02		Water	Dissolved Oxygen		6.2	mg/L			
OC-04	OC 04	3-Oct-02	367.4166667	Water	Dissolved Oxygen		6.8	mg/L			
OC-04	OC 04	26-Nov-02	367.4166667	Water	Dissolved Oxygen		9.9	mg/L			
OC-04	OC-04	22-Jan-03	0.541666667	Water	Dissolved Oxygen		13.2	mg/L			
OC-04	OC-04	13-Feb-03	0.583333333	Water	Dissolved Oxygen		17	mg/L			
OC-04	OC-04	17-Apr-03	0.5	Water	Dissolved Oxygen		6.2	mg/L			
OC-04	OC-04	15-May-03	0.479166667	Water	Dissolved Oxygen		7.7	mg/L			
OC-04	OC-04	18-Jun-03	0.59375	Water	Dissolved Oxygen		6.45	mg/L			
OC-04	OC-04	31-Jul-03	0.5	Water	Dissolved Oxygen		6.33	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC-04	11-Sep-03	0.46875	Water	Dissolved Oxygen		6.72	mg/L			
OC-04	OC-04	22-Oct-03	0.583333333	Water	Dissolved Oxygen		6.7	mg/L			
OC-04	OC-04	20-Nov-03	0.458333333	Water	Dissolved Oxygen		7.6	mg/L			
OC-04	OC-04	7-Jan-04	0.635416667	Water	Dissolved Oxygen		10.8	mg/L			
OC-04	OC-04	26-Feb-04	0.375	Water	Dissolved Oxygen		11.2	mg/L			
OC-04	OC-04	24-Mar-04	0.145833333	Water	Dissolved Oxygen		13.4	mg/L			
OC-04	OC-04	6-May-04	0.395833333	Water	Dissolved Oxygen		7.1	mg/L			
OC-04	OC-04	10-Jun-04	0.385416667	Water	Dissolved Oxygen		6.4	mg/L			
OC-04	OC-04	21-Jul-04	0.614583333	Water	Dissolved Oxygen		7.1	mg/L			
OC-04	OC-04	1-Sep-04	0.625	Water	Dissolved Oxygen		6.5	mg/L			
OC-04	OC-04	9-Nov-04	0.520833333	Water	Dissolved Oxygen		9.3	mg/L			
OC-04	OC-04	3-Jan-05	0.569444444	Water	Dissolved Oxygen		8.8	mg/L			
OC-04	OC-04	3-Feb-05	0.541666667	Water	Dissolved Oxygen		11.9	mg/L			
OC-04	OC-04	7-Mar-05	0.541666667	Water	Dissolved Oxygen		10.8	mg/L			
OC-04	OC-04	6-Apr-05	0.395833333	Water	Dissolved Oxygen		8.2	mg/L			
OC-04	OC-04	13-May-05	0.53125	Water	Dissolved Oxygen		6.5	mg/L			
OC-04	OC-04	29-Jun-05	0.5	Water	Dissolved Oxygen		7.6	mg/L			
OC-04	OC-04	31-Aug-05	0.666666667	Water	Dissolved Oxygen		7.4	mg/L			
OC-04	OC-04	20-Sep-05	0.625	Water	Dissolved Oxygen		4.3	mg/L			
OC-04	OC-04	24-Oct-05	0.5625	Water	Dissolved Oxygen		9.1	mg/L			
OC-04	OC-04	5-Nov-05	0.4375	Water	Dissolved Oxygen		6.6	mg/L			
OC-04	OC 04	29-Jan-90	1000	Water	Dissolved Oxygen		11.7	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	Dissolved Oxygen		10.6	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	Dissolved Oxygen		7.9	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	Dissolved Oxygen		7.5	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	Dissolved Oxygen		5.7	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	Dissolved Oxygen		6.3	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	Dissolved Oxygen		10.7	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	Dissolved Oxygen		10.8	mg/L			
OC-04	OC 04	5-Mar-91	1000	Water	Dissolved Oxygen		11.5	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	Dissolved Oxygen		13	mg/L			
OC-04	OC 04	22-May-91	1000	Water	Dissolved Oxygen		8.4	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	Dissolved Oxygen		2.3	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	Dissolved Oxygen		6	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	Dissolved Oxygen		8.1	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	Dissolved Oxygen		9.3	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	Dissolved Oxygen		9.2	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	Dissolved Oxygen		11.1	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	Dissolved Oxygen		13.7	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	Dissolved Oxygen		11	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	Dissolved Oxygen		7.7	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	Dissolved Oxygen		9.1	mg/L			
OC-04	OC 04	21-Jul-92	1000	Water	Dissolved Oxygen		6.1	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	Dissolved Oxygen		6.8	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	Dissolved Oxygen		7.9	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	Dissolved Oxygen		8.7	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	Dissolved Oxygen		10.9	mg/L			
OC-04	OC 04	3-Feb-93	1000	Water	Dissolved Oxygen		10.8	mg/L			
OC-04	OC 04	6-Apr-93	1200	Water	Dissolved Oxygen		11.1	mg/L			
OC-04	OC 04	4-May-93	1200	Water	Dissolved Oxygen		7.8	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	Dissolved Oxygen		7.6	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	Dissolved Oxygen		6.6	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	Dissolved Oxygen		6.8	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	Dissolved Oxygen		7.9	mg/L			
OC-04	OC 04	17-Nov-93	1000	Water	Dissolved Oxygen		5.3	mg/L			
OC-04	OC 04	4-Jan-94	1000	Water	Dissolved Oxygen		11.8	mg/L			
OC-04	OC 04	7-Feb-94	1000	Water	Dissolved Oxygen		11.9	mg/L			
OC-04	OC 04	24-Mar-94	1000	Water	Dissolved Oxygen		11.4	mg/L			
OC-04	OC 04	26-Apr-94	1100	Water	Dissolved Oxygen		8.1	mg/L			
OC-04	OC 04	26-May-94	1000	Water	Dissolved Oxygen		6	mg/L			
OC-04	OC 04	29-Jun-94	1100	Water	Dissolved Oxygen		5.6	mg/L			
OC-04	OC 04	14-Sep-94	1100	Water	Dissolved Oxygen		6.9	mg/L			
OC-04	OC 04	20-Oct-94	1100	Water	Dissolved Oxygen		7.8	mg/L			
OC-04	OC 04	21-Nov-94	1000	Water	Dissolved Oxygen		8.2	mg/L			
OC-04	OC 04	19-Jan-95	1000	Water	Dissolved Oxygen		11.6	mg/L			
OC-04	OC 04	1-Mar-95	1000	Water	Dissolved Oxygen		11.4	mg/L			
OC-04	OC 04	4-Apr-95	1000	Water	Dissolved Oxygen		10	mg/L			
OC-04	OC 04	16-May-95	1000	Water	Dissolved Oxygen		6.7	mg/L			
OC-04	OC 04	11-Jul-95	1000	Water	Dissolved Oxygen		6.5	mg/L			
OC-04	OC 04	23-Aug-95	1000	Water	Dissolved Oxygen		6.3	mg/L			
OC-04	OC 04	18-Sep-95	1000	Water	Dissolved Oxygen		6.6	mg/L			
OC-04	OC 04	2-Nov-95	1000	Water	Dissolved Oxygen		6.5	mg/L			
OC-04	OC 04	4-Dec-95	1000	Water	Dissolved Oxygen		12.3	mg/L			
OC-04	OC 04	16-Jan-96	1000	Water	Dissolved Oxygen		12.9	mg/L			
OC-04	OC 04	7-Feb-96	1000	Water	Dissolved Oxygen		9.9	mg/L			
OC-04	OC 04	2-Apr-96	1000	Water	Dissolved Oxygen		10.9	mg/L			
OC-04	OC 04	8-May-96	1000	Water	Dissolved Oxygen		7.3	mg/L			
OC-04	OC 04	27-Jun-96	1300	Water	Dissolved Oxygen		7	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	Dissolved Oxygen		6.5	mg/L			
OC-04	OC 04	19-Aug-96	1000	Water	Dissolved Oxygen		6	mg/L			
OC-04	OC 04	24-Oct-96	1000	Water	Dissolved Oxygen		8	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	Dissolved Oxygen		9.9	mg/L			
OC-04	OC 04	7-Jan-97	1000	Water	Dissolved Oxygen		12.3	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	10-Feb-97	1000	Water	Dissolved Oxygen		11.7	mg/L			
OC-04	OC 04	27-Mar-97	1000	Water	Dissolved Oxygen		9.5	mg/L			
OC-04	OC 04	7-May-97	1000	Water	Dissolved Oxygen		8.7	mg/L			
OC-04	OC 04	5-Jun-97	1000	Water	Dissolved Oxygen		9.1	mg/L			
OC-04	OC 04	15-Jul-97	1000	Water	Dissolved Oxygen		5.7	mg/L			
OC-04	OC 04	20-Aug-97	1000	Water	Dissolved Oxygen		8.4	mg/L			
OC-04	OC 04	6-Oct-97	1000	Water	Dissolved Oxygen		6.7	mg/L			
OC-04	OC 04	13-Nov-97	1000	Water	Dissolved Oxygen		9.8	mg/L			
OC-04	OC 04	6-Jan-98	1000	Water	Dissolved Oxygen		7.8	mg/L			
OC-04	OC 04	9-Feb-98	1000	Water	Dissolved Oxygen		13.6	mg/L			
OC-04	OC 04	23-Mar-98	1000	Water	Dissolved Oxygen		9.2	mg/L			
OC-04	OC 04	28-Apr-98	1000	Water	Dissolved Oxygen		7.5	mg/L			
OC-04	OC 04	25-Jun-98	1200	Water	Dissolved Oxygen		5.9	mg/L			
OC-04	OC 04	19-Aug-98	1000	Water	Dissolved Oxygen		6.1	mg/L			
OC-04	OC 04	23-Sep-98	1000	Water	Dissolved Oxygen		7.4	mg/L			
OC-04	OC 04	28-Oct-98	1000	Water	Dissolved Oxygen		8.1	mg/L			
OC-04	OC 04	9-Dec-98	1000	Water	Dissolved Oxygen		10.5	mg/L			
OC-95	OC-SW-A1	8-Aug-96	745	Water	Dissolved Oxygen		1.9	mg/L			
OC-95	OC-SW-E1	8-Aug-96	800	Water	Dissolved Oxygen		7.5	mg/L			
OC-95	OC-SW-C1	8-Aug-96	815	Water	Dissolved Oxygen		5.6	mg/L			
OC-95	OC-SW-C2	8-Aug-96	840	Water	Dissolved Oxygen		4.9	mg/L			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	Dissolved Oxygen		5.1	mg/L			
OC-95	OC-SW-C5	8-Aug-96	920	Water	Dissolved Oxygen		5.1	mg/L			
OCF	OCF-FB-A1	2-Aug-96	840	Water	Dissolved Oxygen		2.8	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	Dissolved Oxygen		7	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	Dissolved Oxygen		6	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	Dissolved Oxygen		4.4	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	Dissolved Oxygen		5.5	mg/L			
OE-02	OE 04	10-Jul-96	900	Water	Dissolved Oxygen		1.9	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	Dissolved Oxygen		5.7	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		7.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		3.4	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		3.4	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		1.9	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		0.2	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		0.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		7.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		6.7	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		4.2	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		7.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		0.3	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		0.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		0.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		7.5	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		7.5	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		7.5	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		6.9	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Oxygen		1.2	mg/L			
OC-95	OC-BV-A2	8-Aug-96	945	Water	Dissolved Oxygen		6.2	mg/L			
OC-04		1/3/2005	13:40	Water	Dissolved Oxygen		8.8	mg/L			
OC-04		2/3/2005	13:00	Water	Dissolved Oxygen		11.9	mg/L			
OC-04		3/7/2005	13:00	Water	Dissolved Oxygen		10.8	mg/L			
OC-04		4/6/2005	9:30	Water	Dissolved Oxygen		8.2	mg/L			
OC-04		5/13/2005	11:00	Water	Dissolved Oxygen		6.5	mg/L			
OC-04		6/29/2005	12:00	Water	Dissolved Oxygen		7.6	mg/L			
OC-04		8/31/2005	16:00	Water	Dissolved Oxygen		7.4	mg/L			
OC-04		9/20/2005	15:00	Water	Dissolved Oxygen		4.3	mg/L			
OC-04		10/24/2005	13:30	Water	Dissolved Oxygen		9.1	mg/L			
OC-04		11/9/2005	10:30	Water	Dissolved Oxygen		6.6	mg/L			
OC-04		1/26/2006	11:00	Water	Dissolved Oxygen		11.9	mg/L			
OC-04		2/21/2006	14:00	Water	Dissolved Oxygen		13.2	mg/L			
OC-04		4/5/2006	13:30	Water	Dissolved Oxygen		8.9	mg/L			
OC-04		5/11/2006	14:00	Water	Dissolved Oxygen		7.3	mg/L			
OC-04		6/28/2006	10:45	Water	Dissolved Oxygen		6.85	mg/L			
OC-04		8/29/2006	13:00	Water	Dissolved Oxygen		5.5	mg/L			
OC-04		10/3/2006	13:30	Water	Dissolved Oxygen		7.5	mg/L			
OC-04		10/30/2006	14:00	Water	Dissolved Oxygen		8.8	mg/L			
OC-04		11/28/2006	12:40	Water	Dissolved Oxygen		9.1	mg/L			
OC-04		1/22/2007	13:10	Water	Dissolved Oxygen		11.5	mg/L			
OC-04		5/8/2007	10:30	Water	Dissolved Oxygen		6.8	mg/L			
OC-04		6/18/2007	9:15	Water	Dissolved Oxygen		6.1	mg/L			
OC-04		6/25/2007	12:00	Water	Dissolved Oxygen		6.9	mg/L			
OC-04		8/2/2007	9:00	Water	Dissolved Oxygen		7.1	mg/L			
OC-04		8/9/2007	10:00	Water	Dissolved Oxygen		5.7	mg/L			
OC-04		9/10/2007	9:40	Water	Dissolved Oxygen		5.2	mg/L			
OC-04		9/17/2007	10:53	Water	Dissolved Oxygen		8.6	mg/L			
OC-04		10/4/2007	11:00	Water	Dissolved Oxygen		7.3	mg/L			
OC-04		5/27/2008	11:21	Water	Dissolved Oxygen		5.3	mg/L			
OC-04		7/16/2008	9:40	Water	Dissolved Oxygen		6.9	mg/L			
ROV	ROV-3	13-Oct-99	15:00	Water	DISSOLVED OXYGEN (DO) mg/l		10.1	mg/l			
ROV	ROV-3	23-Aug-99	15:00	Water	DISSOLVED OXYGEN (DO) mg/l		11.1	mg/l			
ROV	ROV-3	23-Aug-99	15:00	Water	DISSOLVED OXYGEN (DO) mg/l		17.8	mg/l			
ROV	ROV-3	13-Oct-99	15:00	Water	DISSOLVED OXYGEN (DO) mg/l		9.9	mg/l			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
ROV	ROV-3	22-Jul-99	13:45	Water	DISSOLVED OXYGEN (DO) mg/l		11.5	mg/l			
ROV	ROV-3	30-Apr-99	14:00	Water	DISSOLVED OXYGEN (DO) mg/l		11.2	mg/l			
ROV	ROV-3	08-Jun-99	15:05	Water	DISSOLVED OXYGEN (DO) mg/l		10.6	mg/l			
ROV	ROV-3	08-Jun-99	15:05	Water	DISSOLVED OXYGEN (DO) mg/l		13.2	mg/l			
ROV	ROV-3	08-Jun-99	15:05	Water	DISSOLVED OXYGEN (DO) mg/l		12.5	mg/l			
ROV	ROV-3	22-Jul-99	13:45	Water	DISSOLVED OXYGEN (DO) mg/l		11.3	mg/l			
ROV	ROV-3	22-Jul-99	13:45	Water	DISSOLVED OXYGEN (DO) mg/l		11.4	mg/l			
ROV	ROV-3	30-Apr-99	14:00	Water	DISSOLVED OXYGEN (DO) mg/l		10.9	mg/l			
ROV	ROV-3	30-Apr-99	14:00	Water	DISSOLVED OXYGEN (DO) mg/l		11	mg/l			
O-30	O 30	27-Jan-99		Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	16-Feb-99		Water	Dissolved Phosphorus		0.12	mg/L			
O-30	O 30	7-Apr-99		Water	Dissolved Phosphorus		0.17	mg/L			
O-30	O 30	11-May-99		Water	Dissolved Phosphorus		0.09	mg/L			
O-30	O 30	16-Jun-99		Water	Dissolved Phosphorus		0.2	mg/L			
O-30	O 30	6-Aug-99		Water	Dissolved Phosphorus		0.14	mg/L			
O-30	O 30	20-Sep-99		Water	Dissolved Phosphorus		0.05	mg/L			
O-30	O 30	2-Nov-99		Water	Dissolved Phosphorus		0.04	mg/L			
O-30	O 30	13-Dec-99		Water	Dissolved Phosphorus		0.06	mg/L			
O-30	O 30	1-Feb-00		Water	Dissolved Phosphorus		0.03	mg/L			
O-30	O 30	9-Mar-00		Water	Dissolved Phosphorus		0.09	mg/L			
O-30	O 30	20-Apr-00		Water	Dissolved Phosphorus		0.04	mg/L			
O-30	O 30	18-May-00		Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	15-Jun-00		Water	Dissolved Phosphorus		0.12	mg/L			
O-30	O 30	27-Jul-00		Water	Dissolved Phosphorus		0.14	mg/L			
O-30	O 30	25-Sep-00		Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	2-Nov-00		Water	Dissolved Phosphorus		0.06	mg/L			
O-30	O 30	6-Dec-00		Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	24-Jan-01		Water	Dissolved Phosphorus		0.09	mg/L			
O-30	O 30	13-Feb-01		Water	Dissolved Phosphorus		0.14	mg/L			
O-30	O 30	21-Mar-01		Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	4-Jun-01		Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	17-Jul-01		Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	21-Aug-01		Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	9-Oct-01		Water	Dissolved Phosphorus		0.05	mg/L			
O-30	O 30	14-Nov-01		Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	8-Jan-02		Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	13-Feb-02		Water	Dissolved Phosphorus		0.05	mg/L			
O-30	O 30	27-Mar-02		Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	1-May-02		Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	19-Jun-02		Water	Dissolved Phosphorus		0.12	mg/L			
O-30	O 30	22-Jul-02		Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	29-Aug-02		Water	Dissolved Phosphorus		0.13	mg/L			
O-30	O-30	26-Feb-04	0.541666667	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O-30	26-May-04	0.458333333	Water	Dissolved Phosphorus		0.166	mg/L			
O-30	O-30	23-Jun-04	0.479166667	Water	Dissolved Phosphorus		0.193	mg/L			
O-30	O-30	9-Sep-04	0.479166667	Water	Dissolved Phosphorus		0.049	mg/L			
O-30	O-30	10-Mar-05	0.479166667	Water	Dissolved Phosphorus		0.126	mg/L			
O-30	O-30	20-May-05	0.447916667	Water	Dissolved Phosphorus		0.029	mg/L			
O-30	O-30	22-Jun-05	0.420138889	Water	Dissolved Phosphorus		0.046	mg/L			
O-30	O-30	15-Aug-05	0.458333333	Water	Dissolved Phosphorus		0.131	mg/L			
O-30	O-30	21-Sep-05	0.5	Water	Dissolved Phosphorus		0.179	mg/L			
O-30	O-30	12-Oct-05	0.416666667	Water	Dissolved Phosphorus		0.221	mg/L			
O-30	O-30	1-Dec-05	0.416666667	Water	Dissolved Phosphorus		0.309	mg/L			
O-30	O 30	4-Jan-90	1000	Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	1-Feb-90	1000	Water	Dissolved Phosphorus		0.19	mg/L			
O-30	O 30	19-Mar-90	1000	Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	25-Apr-90	1000	Water	Dissolved Phosphorus		0.16	mg/L			
O-30	O 30	6-Jun-90	1000	Water	Dissolved Phosphorus		0.16	mg/L			
O-30	O 30	17-Jul-90	1000	Water	Dissolved Phosphorus		0.12	mg/L			
O-30	O 30	12-Sep-90	1000	Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	23-Oct-90	1000	Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	10-Dec-90	1000	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	14-Jan-91	1000	Water	Dissolved Phosphorus		0.16	mg/L			
O-30	O 30	27-Feb-91	1000	Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	1-Apr-91	1000	Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	15-May-91	1000	Water	Dissolved Phosphorus		0.06	mg/L			
O-30	O 30	18-Jun-91	1000	Water	Dissolved Phosphorus		0.09	mg/L			
O-30	O 30	1-Aug-91	1000	Water	Dissolved Phosphorus		0.13	mg/L			
O-30	O 30	24-Sep-91	1000	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	12-Nov-91	1000	Water	Dissolved Phosphorus		0.4	mg/L			
O-30	O 30	17-Dec-91	1000	Water	Dissolved Phosphorus		0.13	mg/L			
O-30	O 30	13-Jan-92	1000	Water	Dissolved Phosphorus		0.16	mg/L			
O-30	O 30	18-Feb-92	1000	Water	Dissolved Phosphorus		0.17	mg/L			
O-30	O 30	30-Mar-92	1000	Water	Dissolved Phosphorus		0.09	mg/L			
O-30	O 30	29-Apr-92	1000	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	11-Jun-92	1000	Water	Dissolved Phosphorus		0.14	mg/L			
O-30	O 30	13-Aug-92	1000	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	15-Sep-92	1000	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	2-Nov-92	700	Water	Dissolved Phosphorus		0.04	mg/L			
O-30	O 30	3-Dec-92	1000	Water	Dissolved Phosphorus		0.12	mg/L			
O-30	O 30	14-Jan-93	1000	Water	Dissolved Phosphorus		0.13	mg/L			
O-30	O 30	24-Feb-93	1000	Water	Dissolved Phosphorus		0.22	mg/L			
O-30	O 30	27-Apr-93	1100	Water	Dissolved Phosphorus		0.17	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	24-May-93	1000	Water	Dissolved Phosphorus		0.28	mg/L			
O-30	O 30	23-Jun-93	1000	Water	Dissolved Phosphorus		0.13	mg/L			
O-30	O 30	9-Aug-93	1000	Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	20-Sep-93	1000	Water	Dissolved Phosphorus		0.16	mg/L			
O-30	O 30	6-Oct-93	1000	Water	Dissolved Phosphorus		0.24	mg/L			
O-30	O 30	23-Nov-93	1000	Water	Dissolved Phosphorus		0.22	mg/L			
O-30	O 30	31-Jan-94	1000	Water	Dissolved Phosphorus		0.25	mg/L			
O-30	O 30	28-Feb-94	1000	Water	Dissolved Phosphorus		0.12	mg/L			
O-30	O 30	30-Mar-94	1000	Water	Dissolved Phosphorus		0.05	mg/L			
O-30	O 30	18-May-94	1000	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	2-Jun-94	1000	Water	Dissolved Phosphorus		0.043	mg/L			
O-30	O 30	13-Jul-94	900	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	28-Sep-94	900	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	9-Nov-94	1000	Water	Dissolved Phosphorus		0.164	mg/L			
O-30	O 30	14-Dec-94	1000	Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	18-Jan-95	1000	Water	Dissolved Phosphorus		0.154	mg/L			
O-30	O 30	16-Feb-95	1000	Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	22-Mar-95	1100	Water	Dissolved Phosphorus		0.06	mg/L			
O-30	O 30	15-May-95	1000	Water	Dissolved Phosphorus		0.31	mg/L			
O-30	O 30	14-Jun-95	1000	Water	Dissolved Phosphorus		0.31	mg/L			
O-30	O 30	21-Jul-95	1000	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	5-Sep-95	1000	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	7-Nov-95	900	Water	Dissolved Phosphorus		0.05	mg/L			
O-30	O 30	13-Dec-95	1000	Water	Dissolved Phosphorus		0.037	mg/L			
O-30	O 30	24-Jan-96	1000	Water	Dissolved Phosphorus		0.184	mg/L			
O-30	O 30	20-Feb-96	1000	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	27-Mar-96	1000	Water	Dissolved Phosphorus		0.05	mg/L			
O-30	O 30	24-Apr-96	1000	Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	3-Jun-96	1000	Water	Dissolved Phosphorus		0.141	mg/L			
O-30	O 30	15-Jul-96	1000	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	26-Aug-96	1000	Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	16-Oct-96	900	Water	Dissolved Phosphorus		0.04	mg/L			
O-30	O 30	13-Nov-96	900	Water	Dissolved Phosphorus		0.25	mg/L			
O-30	O 30	13-Jan-97	900	Water	Dissolved Phosphorus		0.02	mg/L			
O-30	O 30	19-Feb-97	900	Water	Dissolved Phosphorus		0.06	mg/L			
O-30	O 30	31-Mar-97	900	Water	Dissolved Phosphorus		0.06	mg/L			
O-30	O 30	3-Jun-97	1000	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	7-Jul-97	900	Water	Dissolved Phosphorus		0.11	mg/L			
O-30	O 30	12-Aug-97	900	Water	Dissolved Phosphorus		0.07	mg/L			
O-30	O 30	10-Sep-97	900	Water	Dissolved Phosphorus		0.08	mg/L			
O-30	O 30	12-Nov-97	900	Water	Dissolved Phosphorus		0.04	mg/L			
O-30	O 30	10-Dec-97	900	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	15-Jan-98	900	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	17-Feb-98	900	Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	26-Mar-98	900	Water	Dissolved Phosphorus		0.14	mg/L			
O-30	O 30	11-May-98	900	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	8-Jun-98	900	Water	Dissolved Phosphorus		0.27	mg/L			
O-30	O 30	15-Jul-98	900	Water	Dissolved Phosphorus		0.15	mg/L			
O-30	O 30	24-Aug-98	900	Water	Dissolved Phosphorus		0.14	mg/L			
O-30	O 30	7-Oct-98	900	Water	Dissolved Phosphorus		0.1	mg/L			
O-30	O 30	18-Nov-98	900	Water	Dissolved Phosphorus		0.35	mg/L			
OB-03	OB 03	19-Jun-02		Water	Dissolved Phosphorus		0.23	mg/L			
OB-03	OB 03	9-Jul-02		Water	Dissolved Phosphorus		0.14	mg/L			
OB-03	OB 03	27-Aug-02		Water	Dissolved Phosphorus		0.28	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	Dissolved Phosphorus		0.06	mg/L			
OB-03	OB 03	15-Nov-96	1200	Water	Dissolved Phosphorus		0.2	mg/L			
OC-04	OC 04	1-Feb-99		Water	Dissolved Phosphorus		0.21	mg/L			
OC-04	OC 04	3-Mar-99		Water	Dissolved Phosphorus		0.23	mg/L			
OC-04	OC 04	1-Apr-99		Water	Dissolved Phosphorus		0.25	mg/L			
OC-04	OC 04	12-May-99		Water	Dissolved Phosphorus		0.36	mg/L			
OC-04	OC 04	9-Jun-99		Water	Dissolved Phosphorus		0.23	mg/L			
OC-04	OC 04	15-Sep-99		Water	Dissolved Phosphorus		1	mg/L			
OC-04	OC 04	3-Nov-99		Water	Dissolved Phosphorus		2.5	mg/L			
OC-04	OC 04	18-Jan-00		Water	Dissolved Phosphorus		2	mg/L			
OC-04	OC 04	10-Feb-00		Water	Dissolved Phosphorus		1.8	mg/L			
OC-04	OC 04	26-Apr-00		Water	Dissolved Phosphorus		0.63	mg/L			
OC-04	OC 04	29-Jun-00		Water	Dissolved Phosphorus		0.28	mg/L			
OC-04	OC 04	18-Jul-00		Water	Dissolved Phosphorus		0.53	mg/L			
OC-04	OC 04	27-Sep-00		Water	Dissolved Phosphorus		0.38	mg/L			
OC-04	OC 04	8-Nov-00		Water	Dissolved Phosphorus		0.41	mg/L			
OC-04	OC 04	4-Dec-00		Water	Dissolved Phosphorus		0.75	mg/L			
OC-04	OC 04	11-Jan-01		Water	Dissolved Phosphorus		0.78	mg/L			
OC-04	OC 04	12-Mar-01		Water	Dissolved Phosphorus		0.5	mg/L			
OC-04	OC 04	4-Apr-01		Water	Dissolved Phosphorus		0.38	mg/L			
OC-04	OC 04	7-May-01		Water	Dissolved Phosphorus		0.35	mg/L			
OC-04	OC 04	8-Aug-01		Water	Dissolved Phosphorus		0.68	mg/L			
OC-04	OC 04	13-Sep-01		Water	Dissolved Phosphorus		0.94	mg/L			
OC-04	OC 04	5-Nov-01		Water	Dissolved Phosphorus		0.76	mg/L			
OC-04	OC 04	6-Dec-01		Water	Dissolved Phosphorus		0.47	mg/L			
OC-04	OC 04	16-Jan-02		Water	Dissolved Phosphorus		0.6	mg/L			
OC-04	OC 04	4-Mar-02		Water	Dissolved Phosphorus		0.34	mg/L			
OC-04	OC 04	1-Apr-02		Water	Dissolved Phosphorus		0.22	mg/L			
OC-04	OC 04	8-May-02		Water	Dissolved Phosphorus		0.25	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	20-Jun-02		Water	Dissolved Phosphorus		0.41	mg/L			
OC-04	OC 04	11-Jul-02		Water	Dissolved Phosphorus		1.19	mg/L			
OC-04	OC 04	20-Aug-02		Water	Dissolved Phosphorus		0.86	mg/L			
OC-04	OC-04	26-Feb-04	0.375	Water	Dissolved Phosphorus		0.416	mg/L			
OC-04	OC-04	24-Mar-04	0.145833333	Water	Dissolved Phosphorus		0.489	mg/L			
OC-04	OC-04	6-May-04	0.395833333	Water	Dissolved Phosphorus		0.463	mg/L			
OC-04	OC-04	3-Jan-05	0.569444444	Water	Dissolved Phosphorus		0.131	mg/L			
OC-04	OC-04	13-May-05	0.53125	Water	Dissolved Phosphorus		0.522	mg/L			
OC-04	OC-04	29-Jun-05	0.5	Water	Dissolved Phosphorus		1.527	mg/L			
OC-04	OC-04	31-Aug-05	0.666666667	Water	Dissolved Phosphorus		1.163	mg/L			
OC-04	OC-04	20-Sep-05	0.625	Water	Dissolved Phosphorus		0.29	mg/L			
OC-04	OC-04	24-Oct-05	0.5625	Water	Dissolved Phosphorus		1.03	mg/L			
OC-04	OC-04	5-Nov-05	0.4375	Water	Dissolved Phosphorus		0.809	mg/L			
OC-04	OC 04	29-Jan-90	1000	Water	Dissolved Phosphorus		1.6	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	Dissolved Phosphorus		1.8	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	Dissolved Phosphorus		0.4	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	Dissolved Phosphorus		0.47	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	Dissolved Phosphorus		1.3	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	Dissolved Phosphorus		2.5	mg/L			
OC-04	OC 04	1-Oct-90	1100	Water	Dissolved Phosphorus		4	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	Dissolved Phosphorus		2.8	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	Dissolved Phosphorus		0.4	mg/L			
OC-04	OC 04	5-Mar-91	1000	Water	Dissolved Phosphorus		0.69	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	Dissolved Phosphorus		0.74	mg/L			
OC-04	OC 04	22-May-91	1000	Water	Dissolved Phosphorus		1.4	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	Dissolved Phosphorus		0.95	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	Dissolved Phosphorus		1.8	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	Dissolved Phosphorus		2.1	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	Dissolved Phosphorus		1.4	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	Dissolved Phosphorus		0.39	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	Dissolved Phosphorus		0.78	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	Dissolved Phosphorus		1.2	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	Dissolved Phosphorus		0.61	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	Dissolved Phosphorus		0.44	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	Dissolved Phosphorus		1.5	mg/L			
OC-04	OC 04	21-Jul-92	1000	Water	Dissolved Phosphorus		0.86	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	Dissolved Phosphorus		1.9	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	Dissolved Phosphorus		1.6	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	Dissolved Phosphorus		0.94	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	Dissolved Phosphorus		0.82	mg/L			
OC-04	OC 04	3-Feb-93	1000	Water	Dissolved Phosphorus		0.58	mg/L			
OC-04	OC 04	6-Apr-93	1200	Water	Dissolved Phosphorus		0.38	mg/L			
OC-04	OC 04	4-May-93	1200	Water	Dissolved Phosphorus		0.2	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	Dissolved Phosphorus		0.44	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	Dissolved Phosphorus		0.74	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	Dissolved Phosphorus		0.97	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	Dissolved Phosphorus		0.52	mg/L			
OC-04	OC 04	17-Nov-93	1000	Water	Dissolved Phosphorus		0.48	mg/L			
OC-04	OC 04	4-Jan-94	1000	Water	Dissolved Phosphorus		0.34	mg/L			
OC-04	OC 04	7-Feb-94	1000	Water	Dissolved Phosphorus		0.35	mg/L			
OC-04	OC 04	24-Mar-94	1000	Water	Dissolved Phosphorus		0.58	mg/L			
OC-04	OC 04	26-Apr-94	1100	Water	Dissolved Phosphorus		0.3	mg/L			
OC-04	OC 04	26-May-94	1000	Water	Dissolved Phosphorus		0.41	mg/L			
OC-04	OC 04	29-Jun-94	1100	Water	Dissolved Phosphorus		0.38	mg/L			
OC-04	OC 04	14-Sep-94	1100	Water	Dissolved Phosphorus		0.001	mg/L			
OC-04	OC 04	20-Oct-94	1100	Water	Dissolved Phosphorus		0.73	mg/L			
OC-04	OC 04	21-Nov-94	1000	Water	Dissolved Phosphorus		0.5	mg/L			
OC-04	OC 04	19-Jan-95	1000	Water	Dissolved Phosphorus		0.41	mg/L			
OC-04	OC 04	1-Mar-95	1000	Water	Dissolved Phosphorus		0.43	mg/L			
OC-04	OC 04	4-Apr-95	1000	Water	Dissolved Phosphorus		0.36	mg/L			
OC-04	OC 04	16-May-95	1000	Water	Dissolved Phosphorus		0.384	mg/L			
OC-04	OC 04	11-Jul-95	1000	Water	Dissolved Phosphorus		0.57	mg/L			
OC-04	OC 04	23-Aug-95	1000	Water	Dissolved Phosphorus		1.3	mg/L			
OC-04	OC 04	18-Sep-95	1000	Water	Dissolved Phosphorus		1.7	mg/L			
OC-04	OC 04	2-Nov-95	1000	Water	Dissolved Phosphorus		2.2	mg/L			
OC-04	OC 04	4-Dec-95	1000	Water	Dissolved Phosphorus		2.2	mg/L			
OC-04	OC 04	16-Jan-96	1000	Water	Dissolved Phosphorus		0.803	mg/L			
OC-04	OC 04	7-Feb-96	1000	Water	Dissolved Phosphorus		1.1	mg/L			
OC-04	OC 04	2-Apr-96	1000	Water	Dissolved Phosphorus		0.36	mg/L			
OC-04	OC 04	8-May-96	1000	Water	Dissolved Phosphorus		0.16	mg/L			
OC-04	OC 04	27-Jun-96	1300	Water	Dissolved Phosphorus		0.77	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	Dissolved Phosphorus		1.1	mg/L			
OC-04	OC 04	19-Aug-96	1000	Water	Dissolved Phosphorus		0.55	mg/L			
OC-04	OC 04	24-Oct-96	1000	Water	Dissolved Phosphorus		0.545	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	Dissolved Phosphorus		1.5	mg/L			
OC-04	OC 04	7-Jan-97	1000	Water	Dissolved Phosphorus		0.7	mg/L			
OC-04	OC 04	10-Feb-97	1000	Water	Dissolved Phosphorus		0.27	mg/L			
OC-04	OC 04	27-Mar-97	1000	Water	Dissolved Phosphorus		0.24	mg/L			
OC-04	OC 04	7-May-97	1000	Water	Dissolved Phosphorus		0.47	mg/L			
OC-04	OC 04	5-Jun-97	1000	Water	Dissolved Phosphorus		0.46	mg/L			
OC-04	OC 04	15-Jul-97	1000	Water	Dissolved Phosphorus		0.69	mg/L			
OC-04	OC 04	20-Aug-97	1000	Water	Dissolved Phosphorus		0.33	mg/L			
OC-04	OC 04	6-Oct-97	1000	Water	Dissolved Phosphorus		1.7	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	13-Nov-97	1000	Water	Dissolved Phosphorus		1.1	mg/L			
OC-04	OC 04	6-Jan-98	1000	Water	Dissolved Phosphorus		0.45	mg/L			
OC-04	OC 04	9-Feb-98	1000	Water	Dissolved Phosphorus		0.55	mg/L			
OC-04	OC 04	23-Mar-98	1000	Water	Dissolved Phosphorus		0.14	mg/L			
OC-04	OC 04	28-Apr-98	1000	Water	Dissolved Phosphorus		0.01	mg/L	K		
OC-04	OC 04	25-Jun-98	1200	Water	Dissolved Phosphorus		0.45	mg/L			
OC-04	OC 04	19-Aug-98	1000	Water	Dissolved Phosphorus		0.21	mg/L			
OC-04	OC 04	23-Sep-98	1000	Water	Dissolved Phosphorus		0.85	mg/L			
OC-04	OC 04	28-Oct-98	1000	Water	Dissolved Phosphorus		1.5	mg/L			
OC-04	OC 04	9-Dec-98	1000	Water	Dissolved Phosphorus		0.78	mg/L			
OE-02	OE 04	10-Jul-96	900	Water	Dissolved Phosphorus		0.09	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	Dissolved Phosphorus		0.44	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Phosphorus		0.135	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Dissolved Phosphorus		0.062	mg/L			
O-20	O 20	29-Oct-90	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-20	O 20	15-Sep-92	1200	Water	Fecal Coliform		200	cfu/100ml	B		
O-20	O 20	28-Sep-94	1100	Water	Fecal Coliform		440	cfu/100ml			
O-20	O 20	19-Feb-97	1100	Water	Fecal Coliform		44	cfu/100ml			
O-20	O 20	12-Nov-97	1100	Water	Fecal Coliform		14	cfu/100ml	B		
O-20	O 20	24-Aug-98	1100	Water	Fecal Coliform		34	cfu/100ml	B		
O-20	O 20	28-Jan-91	1000	Water	Fecal Coliform		130	cfu/100ml	B		
O-20	O 20	2-Nov-92	900	Water	Fecal Coliform		520	cfu/100ml			
O-20	O 20	24-Feb-93	1200	Water	Fecal Coliform		170	cfu/100ml			
O-20	O 20	15-May-95	1200	Water	Fecal Coliform		1180	cfu/100ml	B		
O-20	O 20	20-Feb-96	1200	Water	Fecal Coliform		2	cfu/100ml	B		
O-20	O 20	27-Mar-96	1200	Water	Fecal Coliform		730	cfu/100ml	B		
O-20	O 20	7-Jul-97	1100	Water	Fecal Coliform		82	cfu/100ml			
O-20	O 20	11-May-98	1100	Water	Fecal Coliform		74	cfu/100ml			
O-20	O 20	24-Jan-90	1000	Water	Fecal Coliform		360	cfu/100ml			
O-20	O 20	15-Feb-90	1000	Water	Fecal Coliform		70	cfu/100ml	B		
O-20	O 20	27-Sep-90	1000	Water	Fecal Coliform		150	cfu/100ml	B		
O-20	O 20	12-Dec-90	1000	Water	Fecal Coliform		90	cfu/100ml	B		
O-20	O 20	4-Mar-91	1000	Water	Fecal Coliform		60	cfu/100ml	B		
O-20	O 20	18-Jun-91	1200	Water	Fecal Coliform		14000	cfu/100ml	B		
O-20	O 20	3-Dec-92	1200	Water	Fecal Coliform		200	cfu/100ml	B		
O-20	O 20	14-Jan-93	1200	Water	Fecal Coliform		900	cfu/100ml	B		
O-20	O 20	9-Aug-93	1200	Water	Fecal Coliform		100	cfu/100ml			
O-20	O 20	30-Mar-94	1200	Water	Fecal Coliform		260	cfu/100ml			
O-20	O 20	3-Jun-96	1200	Water	Fecal Coliform		5800	cfu/100ml			
O-20	O 20	26-Aug-96	1200	Water	Fecal Coliform		66	cfu/100ml			
O-20	O 20	12-Aug-97	1100	Water	Fecal Coliform		42	cfu/100ml			
O-20	O 20	26-Mar-98	1100	Water	Fecal Coliform		100	cfu/100ml	K		
O-20	O 20	2-May-91	1300	Water	Fecal Coliform		20	cfu/100ml	B		
O-20	O 20	24-Sep-91	1200	Water	Fecal Coliform		420	cfu/100ml			
O-20	O 20	29-Apr-92	1200	Water	Fecal Coliform		170	cfu/100ml	B		
O-20	O 20	13-Aug-92	1200	Water	Fecal Coliform		100	cfu/100ml	B		
O-20	O 20	27-Apr-93	1400	Water	Fecal Coliform		20	cfu/100ml	B		
O-20	O 20	23-Jun-93	1200	Water	Fecal Coliform		110	cfu/100ml			
O-20	O 20	13-Jul-94	1100	Water	Fecal Coliform		34	cfu/100ml	B		
O-20	O 20	16-Feb-95	1100	Water	Fecal Coliform		2	cfu/100ml	B		
O-20	O 20	15-Jul-96	1200	Water	Fecal Coliform		48	cfu/100ml	B		
O-20	O 20	13-Nov-96	1100	Water	Fecal Coliform		900	cfu/100ml	B		
O-20	O 20	10-Dec-97	1100	Water	Fecal Coliform		30	cfu/100ml	B		
O-20	O 20	8-Jun-98	1100	Water	Fecal Coliform		540	cfu/100ml			
O-20	O 20	18-Nov-98	1100	Water	Fecal Coliform		175	cfu/100ml			
O-20	O 20	3-Apr-90	1000	Water	Fecal Coliform		2300	cfu/100ml			
O-20	O 20	20-Sep-93	1200	Water	Fecal Coliform		280	cfu/100ml			
O-20	O 20	22-Mar-95	1300	Water	Fecal Coliform		20	cfu/100ml	B		
O-20	O 20	7-Nov-95	1100	Water	Fecal Coliform		22	cfu/100ml	B		
O-20	O 20	24-Apr-96	1200	Water	Fecal Coliform		2100	cfu/100ml			
O-20	O 20	13-Jan-97	1100	Water	Fecal Coliform		5	cfu/100ml	B		
O-20	O 20	15-Jan-98	1100	Water	Fecal Coliform		44	cfu/100ml			
O-20	O 20	1-Aug-91	1200	Water	Fecal Coliform		200	cfu/100ml	B		
O-20	O 20	18-Feb-92	1200	Water	Fecal Coliform		570	cfu/100ml			
O-20	O 20	30-Mar-92	1200	Water	Fecal Coliform		1300	cfu/100ml	B		
O-20	O 20	24-May-93	1200	Water	Fecal Coliform		260	cfu/100ml			
O-20	O 20	14-Jun-95	1200	Water	Fecal Coliform		108	cfu/100ml			
O-20	O 20	12-Jul-95	1200	Water	Fecal Coliform		44	cfu/100ml			
O-20	O 20	24-Jan-96	1200	Water	Fecal Coliform		3900	cfu/100ml			
O-20	O 20	17-Feb-98	1100	Water	Fecal Coliform		152	cfu/100ml	B		
O-20	O 20	7-May-90	1000	Water	Fecal Coliform		80	cfu/100ml	B		
O-20	O 20	9-Jul-90	1000	Water	Fecal Coliform		210	cfu/100ml			
O-20	O 20	4-Apr-91	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-20	O 20	12-Nov-91	1200	Water	Fecal Coliform		160	cfu/100ml	B		
O-20	O 20	13-Jan-92	1200	Water	Fecal Coliform		530	cfu/100ml			
O-20	O 20	11-Jun-92	1200	Water	Fecal Coliform		170	cfu/100ml	B		
O-20	O 20	14-Dec-94	1200	Water	Fecal Coliform		148	cfu/100ml	B		
O-20	O 20	18-Jan-95	1200	Water	Fecal Coliform		720	cfu/100ml			
O-20	O 20	5-Sep-95	1200	Water	Fecal Coliform		1700	cfu/100ml	B		
O-20	O 20	13-Dec-95	1200	Water	Fecal Coliform		18	cfu/100ml	B		
O-20	O 20	15-Jul-98	1100	Water	Fecal Coliform		88	cfu/100ml	B		
O-20	O 20	23-Aug-90	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-20	O 20	17-Dec-91	1200	Water	Fecal Coliform		190	cfu/100ml	B		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O 20	2-Jun-94	1200	Water	Fecal Coliform		290	cfu/100ml			
O-20	O 20	9-Nov-94	1200	Water	Fecal Coliform		1585	cfu/100ml	B		
O-20	O 20	16-Oct-96	1100	Water	Fecal Coliform		370	cfu/100ml			
O-20	O 20	31-Mar-97	1100	Water	Fecal Coliform		75	cfu/100ml	B		
O-20	O 20	3-Jun-97	1200	Water	Fecal Coliform		350	cfu/100ml			
O-20	O 20	10-Sep-97	1100	Water	Fecal Coliform		46	cfu/100ml			
O-30	O 20	7-Oct-98	1100	Water	Fecal Coliform		4260	cfu/100ml	B		
O-30	O 30	4-Jan-90	1000	Water	Fecal Coliform		120	cfu/100ml	B		
O-30	O 30	1-Feb-90	1000	Water	Fecal Coliform		20	cfu/100ml	B		
O-30	O 30	17-Dec-91	1000	Water	Fecal Coliform		110	cfu/100ml	B		
O-30	O 30	27-Apr-93	1100	Water	Fecal Coliform		2000	cfu/100ml			
O-30	O 30	5-Sep-95	1000	Water	Fecal Coliform		8	cfu/100ml	B		
O-30	O 30	26-Aug-96	1000	Water	Fecal Coliform		7	cfu/100ml	B		
O-30	O 30	10-Dec-97	900	Water	Fecal Coliform		4	cfu/100ml	B		
O-30	O 30	19-Mar-90	1000	Water	Fecal Coliform		10	cfu/100ml	B		
O-30	O 30	10-Dec-90	1000	Water	Fecal Coliform		210	cfu/100ml			
O-30	O 30	1-Apr-91	1000	Water	Fecal Coliform		20	cfu/100ml	B		
O-30	O 30	2-Nov-92	700	Water	Fecal Coliform		100	cfu/100ml	B		
O-30	O 30	22-Mar-95	1100	Water	Fecal Coliform		10	cfu/100ml	B		
O-30	O 30	20-Feb-96	1000	Water	Fecal Coliform		2	cfu/100ml	B		
O-30	O 30	15-Jul-96	1000	Water	Fecal Coliform		46	cfu/100ml			
O-30	O 30	16-Oct-96	900	Water	Fecal Coliform		0	cfu/100ml	K		
O-30	O 30	31-Mar-97	900	Water	Fecal Coliform		43	cfu/100ml	C		
O-30	O 30	25-Apr-90	1000	Water	Fecal Coliform		20	cfu/100ml	B		
O-30	O 30	6-Jun-90	1000	Water	Fecal Coliform		90	cfu/100ml	B		
O-30	O 30	12-Nov-91	1000	Water	Fecal Coliform		60	cfu/100ml	B		
O-30	O 30	7-Nov-95	900	Water	Fecal Coliform		10	cfu/100ml	B		
O-30	O 30	24-Jan-96	1000	Water	Fecal Coliform		890	cfu/100ml	B		
O-30	O 30	27-Mar-96	1000	Water	Fecal Coliform		200	cfu/100ml			
O-30	O 30	3-Jun-96	1000	Water	Fecal Coliform		64	cfu/100ml			
O-30	O 30	19-Feb-97	900	Water	Fecal Coliform		14	cfu/100ml	B		
O-30	O 30	15-Jan-98	900	Water	Fecal Coliform		150	cfu/100ml	B		
O-30	O 30	1-Aug-91	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	24-Sep-91	1000	Water	Fecal Coliform		20	cfu/100ml	B		
O-30	O 30	13-Jan-92	1000	Water	Fecal Coliform		140	cfu/100ml	B		
O-30	O 30	24-Feb-93	1000	Water	Fecal Coliform		530	cfu/100ml	C		
O-30	O 30	23-Jun-93	1000	Water	Fecal Coliform		55	cfu/100ml	B		
O-30	O 30	9-Aug-93	1000	Water	Fecal Coliform		45	cfu/100ml	B		
O-30	O 30	28-Sep-94	900	Water	Fecal Coliform		10	cfu/100ml	B		
O-30	O 30	16-Feb-95	1000	Water	Fecal Coliform		6	cfu/100ml	B		
O-30	O 30	21-Jul-95	1000	Water	Fecal Coliform		108	cfu/100ml			
O-30	O 30	10-Sep-97	900	Water	Fecal Coliform		24	cfu/100ml	B		
O-30	O 30	17-Feb-98	900	Water	Fecal Coliform		92	cfu/100ml			
O-30	O 30	15-Jul-98	900	Water	Fecal Coliform		65	cfu/100ml	B		
O-30	O 30	27-Feb-91	1000	Water	Fecal Coliform		160	cfu/100ml	B		
O-30	O 30	3-Dec-92	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	20-Sep-93	1000	Water	Fecal Coliform		75	cfu/100ml	B		
O-30	O 30	30-Mar-94	1000	Water	Fecal Coliform		130	cfu/100ml			
O-30	O 30	12-Nov-97	900	Water	Fecal Coliform		2	cfu/100ml	K		
O-30	O 30	26-Mar-98	900	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	8-Jun-98	900	Water	Fecal Coliform		220	cfu/100ml			
O-30	O 30	18-Nov-98	900	Water	Fecal Coliform		35	cfu/100ml	B		
O-30	O 30	23-Oct-90	1000	Water	Fecal Coliform		200	cfu/100ml			
O-30	O 30	15-May-91	1000	Water	Fecal Coliform		40	cfu/100ml	B		
O-30	O 30	14-Jan-93	1000	Water	Fecal Coliform		300	cfu/100ml			
O-30	O 30	24-May-93	1000	Water	Fecal Coliform		120	cfu/100ml			
O-30	O 30	9-Nov-94	1000	Water	Fecal Coliform		870	cfu/100ml	B		
O-30	O 30	15-May-95	1000	Water	Fecal Coliform		100	cfu/100ml	B		
O-30	O 30	14-Jun-95	1000	Water	Fecal Coliform		60	cfu/100ml			
O-30	O 30	13-Dec-95	1000	Water	Fecal Coliform		20	cfu/100ml	B		
O-30	O 30	13-Nov-96	900	Water	Fecal Coliform		80	cfu/100ml	B		
O-30	O 30	7-Oct-98	900	Water	Fecal Coliform		130	cfu/100ml			
O-30	O 30	12-Sep-90	1000	Water	Fecal Coliform		10	cfu/100ml	B		
O-30	O 30	18-Jun-91	1000	Water	Fecal Coliform		40	cfu/100ml	B		
O-30	O 30	18-Feb-92	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	13-Aug-92	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	15-Sep-92	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	13-Jul-94	900	Water	Fecal Coliform		12	cfu/100ml	B		
O-30	O 30	13-Jan-97	900	Water	Fecal Coliform		10	cfu/100ml			
O-30	O 30	7-Jul-97	900	Water	Fecal Coliform		22	cfu/100ml	B		
O-30	O 30	12-Aug-97	900	Water	Fecal Coliform		12	cfu/100ml	B		
O-30	O 30	11-May-98	900	Water	Fecal Coliform		92	cfu/100ml			
O-30	O 30	17-Jul-90	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	14-Jan-91	1000	Water	Fecal Coliform		900	cfu/100ml	B		
O-30	O 30	30-Mar-92	1000	Water	Fecal Coliform		580	cfu/100ml			
O-30	O 30	29-Apr-92	1000	Water	Fecal Coliform		10	cfu/100ml	K		
O-30	O 30	11-Jun-92	1000	Water	Fecal Coliform		10	cfu/100ml	B		
O-30	O 30	2-Jun-94	1000	Water	Fecal Coliform		12	cfu/100ml	B		
O-30	O 30	14-Dec-94	1000	Water	Fecal Coliform		52	cfu/100ml			
O-30	O 30	18-Jan-95	1000	Water	Fecal Coliform		1360	cfu/100ml	B		
O-30	O 30	24-Apr-96	1000	Water	Fecal Coliform		3100	cfu/100ml			
O-30	O 30	3-Jun-97	1000	Water	Fecal Coliform		390	cfu/100ml			
O-30	O 30	24-Aug-98	900	Water	Fecal Coliform		14	cfu/100ml	B		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-95		7/22/2008	9:20:00	Water	Field Volume Filtered	Total	750	ml			
OC-95		7/29/2008	10:53:00	Water	Field Volume Filtered	Total	450	ml			
OC-95		9/8/2008	9:20:00	Water	Field Volume Filtered	Total	945	ml			
OC-95		9/15/2008	10:00:00	Water	Field Volume Filtered	Total	368	ml			
OCF-96		7/22/2008	8:10:00	Water	Field Volume Filtered	Total	610	ml			
OCF-96		7/29/2008	9:45:00	Water	Field Volume Filtered	Total	956	ml			
OCF-96		9/8/2008	8:00:00	Water	Field Volume Filtered	Total	865	ml			
OCF-96		9/15/2008	9:00:00	Water	Field Volume Filtered	Total	820	ml			
OC-04		9/29/2008	10:00:00	Water	Fluorides	Total	0.26	mg/l			
OC-04		10/4/2007	11:00:00	Water	Hardness, Ca + Mg	Dissolved	301000	ug/l			
OC-04		10/4/2007	11:00:00	Water	Hardness, Ca + Mg	Total	307000	ug/l			
OC-04		7/16/2008	9:40:00	Water	Hardness, Ca + Mg	Dissolved	366000	ug/l			
OC-04		7/16/2008	9:40:00	Water	Hardness, Ca + Mg	Total	387000	ug/l			
OC-04		8/19/2008	11:00:00	Water	Hardness, Ca + Mg	Dissolved	305000	ug/l			
OC-04		8/19/2008	11:00:00	Water	Hardness, Ca + Mg	Total	310000	ug/l			
OC-04		9/29/2008	10:00:00	Water	Hardness, Ca + Mg	Dissolved	324000	ug/l			
OC-04		9/29/2008	10:00:00	Water	Hardness, Ca + Mg	Total	324000	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Hardness, Ca + Mg	Total	207000	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Hardness, Ca + Mg	Total	143000	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Hardness, Ca + Mg	Total	197000	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Hardness, Ca + Mg	Total	116000	ug/l			
O-20	O-20	1/3/2005	10:30	Water	HARDNESS, CA,MG mg/l	Total	220	mg/L	C		
O-20	O-20	2/3/2005	9:30	Water	HARDNESS, CA,MG mg/l	Total	100	mg/L	C		
O-20	O-20	11/9/2004	9:30	Water	HARDNESS, CA,MG mg/l	Total	140	mg/L	C		
O-20	O-20	9/9/2004	9:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	170	mg/L	C		
O-20	O-20	3/7/2005	9:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	130	mg/L	C		
O-20	O-20	8/12/2004	10:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	200	mg/L	C		
O-20	O-20	10/12/2005	11:55	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	220	mg/L	C		
O-20	O-20	6/23/2004	9:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	140	mg/L	C		
O-20	O-20	9/20/2005	12:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	100	mg/L	C		
O-20	O-20	11/14/2005	9:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	190	mg/L	C		
O-20	O-20	8/31/2005	14:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	140	mg/L	C		
O-20	O-20	6/29/2005	9:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	210	mg/L	C		
O-20	O-20	5/13/2005	10:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	250	mg/L	C		
O-20	O-20	4/5/2005	15:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	170	mg/L	C		
O-20	O-20	5/26/2004	9:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	140	mg/L	C		
O-20	O-20	2/26/2004	9:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	200	mg/L	C		
O-20	O-20	4/19/2004	8:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	220	mg/L	C		
O-30	O-30	3/10/2005	11:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	170	mg/L	C		
O-30	O-30	1/5/2005	13:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	140	mg/L	C		
O-30	O-30	2/1/2005	11:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	110	mg/L	C		
O-30	O-30	11/15/2004	12:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	100	mg/L	C		
O-30	O-30	9/9/2004	11:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	160	mg/L	C		
O-30	O-30	8/12/2004	12:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	160	mg/L	C		
O-30	O-30	9/21/2005	12:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	140	mg/L	C		
O-30	O-30	6/23/2004	11:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	130	mg/L	C		
O-30	O-30	12/1/2005	10:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	240	mg/L	C		
O-30	O-30	8/15/2005	11:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	190	mg/L	C		
O-30	O-30	4/6/2005	14:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	210	mg/L	C		
O-30	O-30	6/22/2005	10:05	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	250	mg/L	C		
O-30	O-30	5/20/2005	10:45	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	240	mg/L	C		
O-30	O-30	10/12/2005	10:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	110	mg/L	C		
O-30	O-30	2/26/2004	13:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	190	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	4/19/2004	11:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	210	mg/L	C		
O-30	O-30	5/26/2004	11:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	160	mg/L	C		
OC-04	OC-04	11/9/2004	12:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	290	mg/L	C		
OC-04	OC-04	11/5/2005	10:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	300	mg/L	C		
OC-04	OC-04	2/3/2005	13:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	390	mg/L	C		
OC-04	OC-04	9/1/2004	15:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	240	mg/L	C		
OC-04	OC-04	7/21/2004	14:45	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	340	mg/L	C		
OC-04	OC-04	1/3/2005	13:40	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	180	mg/L	C		
OC-04	OC-04	6/10/2004	9:15	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	380	mg/L	C		
OC-04	OC-04	10/24/2005	13:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	300	mg/L	C		
OC-04	OC-04	3/7/2005	13:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	380	mg/L	C		
OC-04	OC-04	8/31/2005	16:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	260	mg/L	C		
OC-04	OC-04	6/29/2005	12:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	360	mg/L	C		
OC-04	OC-04	5/13/2005	12:45	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	400	mg/L	C		
OC-04	OC-04	4/6/2005	9:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	340	mg/L	C		
OC-04	OC-04	9/20/2005	15:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	85	mg/L	C		
OC-04	OC-04	3/24/2004	3:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	400	mg/L	C		
OC-04	OC-04	5/6/2004	9:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	240	mg/L	C		
OC-04	OC-04	2/26/2004	9:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	350	mg/L	C		
SOC-2	SOC-2	08/21/2003	13:50	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	203	mg/L			
SOC-2	SOC-2	07/22/2003	13:50	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	195	mg/L			
SOC-2	SOC-2	06/30/2003	13:35	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	194	mg/L			
SOC-2	SOC-2	05/06/2003	13:45	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	225	mg/L			
SOC-2	SOC-2	10/16/2003	13:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	223	mg/L			
OE-02	OE-04	11/12/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	121	mg/L	C		
OE-02	OE-04	7/10/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	300	mg/L	C		
O-20	O-20	5/2/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	238	mg/L	C		
O-20	O-20	11/12/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	209	mg/L	C		
O-20	O-20	8/13/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	191	mg/L	C		
O-20	O-20	6/2/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	167	mg/L	C		
O-20	O-20	6/14/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	134	mg/L	C		
O-20	O-20	2/19/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	155	mg/L	C		
O-20	O-20	7/7/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	188	mg/L	C		
O-20	O-20	9/10/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	203	mg/L	C		
O-20	O-20	1/15/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	191	mg/L	C		
O-20	O-20	5/11/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	184	mg/L	C		
O-20	O-20	4/3/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	165	mg/L	C		
O-20	O-20	10/29/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	177	mg/L	C		
O-20	O-20	2/18/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	213	mg/L	C		
O-20	O-20	11/2/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	217	mg/L	C		
O-20	O-20	2/24/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	174	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O-20	4/27/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	155	mg/L	C		
O-20	O-20	9/6/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	151	mg/L	C		
O-20	O-20	1/31/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	155	mg/L	C		
O-20	O-20	5/15/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	139	mg/L			
O-20	O-20	11/7/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	212	mg/L	C		
O-20	O-20	7/15/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	172	mg/L	C		
O-20	O-20	8/24/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	166	mg/L	C		
O-20	O-20	7/9/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	143	mg/L	C		
O-20	O-20	1/28/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	184	mg/L	C		
O-20	O-20	3/4/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	219	mg/L	C		
O-20	O-20	9/24/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	240	mg/L	C		
O-20	O-20	12/17/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	207	mg/L	C		
O-20	O-20	5/18/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	140	mg/L	C		
O-20	O-20	1/24/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	129	mg/L	C		
O-20	O-20	8/12/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	209	mg/L	C		
O-20	O-20	2/17/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	150	mg/L	C		
O-20	O-20	3/26/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	156	mg/L	C		
O-20	O-20	8/23/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	167	mg/L	C		
O-20	O-20	8/1/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	220	mg/L	C		
O-20	O-20	1/13/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	188	mg/L	C		
O-20	O-20	6/8/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	143	mg/L	C		
O-20	O-20	1/24/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	174	mg/L	C		
O-20	O-20	7/13/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	169	mg/L	C		
O-20	O-20	12/14/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	185	mg/L	C		
O-20	O-20	3/22/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	148	mg/L	C		
O-20	O-20	4/24/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	91	mg/L	C		
O-20	O-20	11/13/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	170	mg/L	C		
O-20	O-20	6/3/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	190	mg/L	C		
O-20	O-20	1/13/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	167	mg/L	C		
O-20	O-20	3/30/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	176	mg/L	C		
O-20	O-20	6/23/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	182	mg/L	C		
O-20	O-20	8/9/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	185	mg/L	C		
O-20	O-20	9/20/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	159	mg/L	C		
O-20	O-20	11/23/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	145	mg/L	C		
O-20	O-20	2/28/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	234	mg/L	C		
O-20	O-20	3/30/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	230	mg/L	C		
O-20	O-20	9/28/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	187	mg/L	C		
O-20	O-20	7/12/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	123	mg/L	C		
O-20	O-20	2/20/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	178	mg/L	C		
O-20	O-20	7/15/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	167	mg/L	C		
O-20	O-20	12/10/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	178	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O-20	9/27/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	180	mg/L	C		
O-20	O-20	12/12/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	204	mg/L	C		
O-20	O-20	4/4/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	163	mg/L	C		
O-20	O-20	6/18/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	116	mg/L	C		
O-20	O-20	12/3/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	175	mg/L	C		
O-20	O-20	1/14/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	154	mg/L	C		
O-20	O-20	9/5/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	186	mg/L	C		
O-20	O-20	12/13/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	178	mg/L	C		
O-20	O-20	6/3/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	144	mg/L	C		
O-20	O-20	10/16/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	203	mg/L	C		
O-20	O-20	3/31/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	176	mg/L	C		
O-20	O-20	11/12/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	209	mg/L	C		
O-20	O-20	10/7/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	167	mg/L	C		
O-20	O-20	11/18/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	171	mg/L	C		
O-20	O-20	2/15/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	190	mg/L	C		
O-20	O-20	5/7/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	197	mg/L	C		
O-20	O-20	4/29/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	217	mg/L	C		
O-20	O-20	6/11/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	170	mg/L	C		
O-20	O-20	9/15/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	193	mg/L	C		
O-20	O-20	5/24/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	184	mg/L	C		
O-20	O-20	11/9/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	146	mg/L	C		
O-20	O-20	1/18/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	148	mg/L	C		
O-20	O-20	2/16/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	179	mg/L	C		
O-20	O-20	3/27/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	236	mg/L	C		
O-20	O-20	8/26/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	184	mg/L	C		
O-30	O-30	2/1/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	175	mg/L	C		
O-30	O-30	3/19/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	200	mg/L	C		
O-30	O-30	4/25/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	175	mg/L	C		
O-30	O-30	3/30/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	252	mg/L	C		
O-30	O-30	8/13/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	191	mg/L	C		
O-30	O-30	5/24/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	139	mg/L	C		
O-30	O-30	8/9/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	161	mg/L	C		
O-30	O-30	11/9/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	166	mg/L	C		
O-30	O-30	3/22/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	152	mg/L	C		
O-30	O-30	7/7/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	171	mg/L	C		
O-30	O-30	12/10/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	194	mg/L	C		
O-30	O-30	12/17/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	194	mg/L	C		
O-30	O-30	2/24/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	156	mg/L	C		
O-30	O-30	6/2/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	181	mg/L	C		
O-30	O-30	11/7/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	222	mg/L	C		
O-30	O-30	6/3/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	134	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	9/10/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	211	mg/L	C		
O-30	O-30	1/15/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	181	mg/L	C		
O-30	O-30	8/24/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	158	mg/L	C		
O-30	O-30	6/6/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	134	mg/L	C		
O-30	O-30	1/13/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	209	mg/L	C		
O-30	O-30	9/15/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	201	mg/L	C		
O-30	O-30	11/23/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	121	mg/L	C		
O-30	O-30	1/31/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	120	mg/L	C		
O-30	O-30	5/18/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	145	mg/L	C		
O-30	O-30	4/24/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	105	mg/L	C		
O-30	O-30	8/12/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	213	mg/L	C		
O-30	O-30	2/17/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	52	mg/L	C		
O-30	O-30	5/11/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	168	mg/L	C		
O-30	O-30	7/17/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	146	mg/L	C		
O-30	O-30	4/29/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	199	mg/L	C		
O-30	O-30	4/27/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	133	mg/L	C		
O-30	O-30	6/23/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	178	mg/L	C		
O-30	O-30	3/30/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	229	mg/L	C		
O-30	O-30	5/15/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	104	mg/L			
O-30	O-30	7/15/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	168	mg/L	C		
O-30	O-30	8/26/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	183	mg/L	C		
O-30	O-30	10/16/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	203	mg/L	C		
O-30	O-30	1/14/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	120	mg/L	C		
O-30	O-30	8/1/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	92	mg/L	C		
O-30	O-30	6/11/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	155	mg/L	C		
O-30	O-30	12/3/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	164	mg/L	C		
O-30	O-30	1/14/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	161	mg/L	C		
O-30	O-30	10/6/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	86	mg/L	C		
O-30	O-30	2/28/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	210	mg/L	C		
O-30	O-30	12/14/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	191	mg/L	C		
O-30	O-30	6/3/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	215	mg/L	C		
O-30	O-30	11/12/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	243	mg/L	C		
O-30	O-30	6/8/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	123	mg/L	C		
O-30	O-30	1/4/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	211	mg/L	C		
O-30	O-30	2/27/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	197	mg/L	C		
O-30	O-30	4/1/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	166	mg/L	C		
O-30	O-30	6/18/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	208	mg/L	C		
O-30	O-30	1/18/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	127	mg/L	C		
O-30	O-30	7/21/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	130	mg/L	C		
O-30	O-30	2/20/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	181	mg/L	C		
O-30	O-30	11/13/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	162	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	2/19/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	179	mg/L	C		
O-30	O-30	10/23/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	174	mg/L	C		
O-30	O-30	11/12/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	122	mg/L	C		
O-30	O-30	9/28/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	231	mg/L	C		
O-30	O-30	9/5/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	189	mg/L	C		
O-30	O-30	1/13/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	198	mg/L	C		
O-30	O-30	3/26/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	123	mg/L	C		
O-30	O-30	10/7/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	149	mg/L	C		
O-30	O-30	9/12/1990	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	148	mg/L	C		
O-30	O-30	5/15/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	249	mg/L	C		
O-30	O-30	9/24/1991	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	272	mg/L	C		
O-30	O-30	2/18/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	229	mg/L	C		
O-30	O-30	11/2/1992	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	216	mg/L	C		
O-30	O-30	9/20/1993	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	150	mg/L	C		
O-30	O-30	7/13/1994	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	165	mg/L	C		
O-30	O-30	2/16/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	182	mg/L	C		
O-30	O-30	6/14/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	118	mg/L	C		
O-30	O-30	12/13/1995	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	208	mg/L	C		
O-30	O-30	1/24/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	171	mg/L	C		
O-30	O-30	3/27/1996	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	225	mg/L	C		
O-30	O-30	3/31/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	193	mg/L	C		
O-30	O-30	12/10/1997	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	227	mg/L	C		
O-30	O-30	7/15/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	147	mg/L	C		
O-30	O-30	11/18/1998	0:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	153	mg/L	C		
O-20	O-20	8/11/2003	9:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	147	mg/L	C		
O-20	O-20	6/12/2003	10:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	104	mg/L	C		
O-20	O-20	9/22/2003	10:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	169	mg/L	C		
O-20	O-20	4/17/2003	8:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	272	mg/L	C		
O-20	O-20	2/13/2003	10:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	216	mg/L	C		
O-20	O-20	1/22/2003	9:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	204	mg/L	C		
O-20	O-20	5/12/2003	11:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	107	mg/L	C		
O-20	O-20	1/21/2004	9:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	102	mg/L	C		
O-20	O-20	12/10/2003	11:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	132	mg/L	C		
O-20	O-20	10/27/2003	9:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	173	mg/L	C		
O-30	O-30	9/4/2003	8:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	62	mg/L	C		
O-30	O-30	8/4/2003	10:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	140	mg/L	C		
O-30	O-30	6/18/2003	10:30	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	96	mg/L	C		
O-30	O-30	4/25/2003	11:45	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	251	mg/L	C		
O-30	O-30	3/6/2003	11:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	170	mg/L	C		
O-30	O-30	1/29/2003	11:45	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	210	mg/L	C		
O-30	O-30	5/27/2003	10:00	Water	HARDNESS, TOTAL (MG/L AS CACO3)	Total	155	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	10/15/2003	11:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	143	mg/L	C		
O-30	O-30	12/10/2003	11:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	134	mg/L	C		
O-30	O-30	1/21/2004	12:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	113	mg/L	C		
OC-04	OC-04	7/31/2003	12:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	395	mg/L	C		
OC-04	OC-04	11/20/2003	11:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	192	mg/L	C		
OC-04	OC-04	5/15/2003	11:30	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	338	mg/L	C		
OC-04	OC-04	6/18/2003	14:15	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	371	mg/L	C		
OC-04	OC-04	4/17/2003	12:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	256	mg/L	C		
OC-04	OC-04	2/13/2003	14:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	357	mg/L	C		
OC-04	OC-04	1/22/2003	13:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	411	mg/L	C		
OC-04	OC-04	1/7/2004	15:15	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	289	mg/L	C		
OC-04	OC-04	10/22/2003	14:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	267	mg/L	C		
OC-04	OC-04	9/11/2003	11:15	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	329	mg/L	C		
O-03	O-03	9/12/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	171	mg/L	C		
O-03	O-03	6/24/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	143	mg/L	C		
O-03	O-03	8/28/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	164	mg/L	C		
O-97	O-04	7/9/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	122	mg/L	C		
O-97	O-04	8/28/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	166	mg/L	C		
O-97	O-04	6/24/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	150	mg/L	C		
O-20	O-20	10/29/2002	11:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	135	mg/L	C		
O-20	O-20	11/26/2002	13:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	169	mg/L	C		
O-20	O-20	8/29/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	148	mg/L	C		
O-20	O-20	7/27/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	126	mg/L	C		
O-20	O-20	3/21/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	209	mg/L	C		
O-20	O-20	6/15/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	198	mg/L	C		
O-20	O-20	2/13/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	148	mg/L	C		
O-20	O-20	12/13/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	208	mg/L	C		
O-20	O-20	1/8/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	162	mg/L	C		
O-20	O-20	5/11/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	186	mg/L	C		
O-20	O-20	3/27/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	138	mg/L	C		
O-20	O-20	2/13/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	203	mg/L	C		
O-20	O-20	12/6/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	165	mg/L	C		
O-20	O-20	1/24/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	250	mg/L	C		
O-20	O-20	4/20/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	211	mg/L	C		
O-20	O-20	3/9/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	178	mg/L	C		
O-20	O-20	2/1/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	209	mg/L	C		
O-20	O-20	7/22/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	126	mg/L	C		
O-20	O-20	5/1/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	167	mg/L	C		
O-20	O-20	7/17/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	183	mg/L	C		
O-20	O-20	8/21/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	211	mg/L	C		
O-20	O-20	11/14/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	194	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O-20	1/27/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	149	mg/L	C		
O-20	O-20	6/19/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	121	mg/L	C		
O-20	O-20	11/2/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	220	mg/L	C		
O-20	O-20	9/25/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	143	mg/L	C		
O-20	O-20	6/4/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	169	mg/L	C		
O-20	O-20	4/7/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	135	mg/L	C		
O-20	O-20	6/16/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	144	mg/L	C		
O-20	O-20	5/18/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	180	mg/L	C		
O-20	O-20	11/2/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	373	mg/L	C		
O-20	O-20	10/9/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	205	mg/L	C		
O-20	O-20	5/2/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	229	mg/L	C		
O-20	O-20	2/16/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	120	mg/L	C		
O-20	O-20	9/20/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	197	mg/L	C		
O-30	O-30	12/19/2002	7:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	170	mg/L	C		
O-30	O-30	10/29/2002	9:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	180	mg/L	C		
O-30	O-30	11/2/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	147	mg/L	C		
O-30	O-30	8/6/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	205	mg/L	C		
O-30	O-30	12/6/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	167	mg/L	C		
O-30	O-30	4/20/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	223	mg/L	C		
O-30	O-30	9/25/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	141	mg/L	C		
O-30	O-30	6/16/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	135	mg/L	C		
O-30	O-30	1/8/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	164	mg/L	C		
O-30	O-30	5/18/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	149	mg/L	C		
O-30	O-30	11/2/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	249	mg/L	C		
O-30	O-30	9/20/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	223	mg/L	C		
O-30	O-30	6/4/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	222	mg/L	C		
O-30	O-30	7/17/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	158	mg/L	C		
O-30	O-30	10/9/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	181	mg/L	C		
O-30	O-30	8/21/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	190	mg/L	C		
O-30	O-30	2/13/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	132	mg/L	C		
O-30	O-30	1/24/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	222	mg/L	C		
O-30	O-30	2/1/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	223	mg/L	C		
O-30	O-30	2/13/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	214	mg/L	C		
O-30	O-30	7/27/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	121	mg/L	C		
O-30	O-30	6/15/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	188	mg/L	C		
O-30	O-30	3/21/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	212	mg/L	C		
O-30	O-30	11/14/2001		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	189	mg/L	C		
O-30	O-30	5/11/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	171	mg/L	C		
O-30	O-30	3/9/2000		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	170	mg/L	C		
O-30	O-30	1/27/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	145	mg/L	C		
O-30	O-30	7/22/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	139	mg/L	C		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	4/7/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	123	mg/L	C		
O-30	O-30	2/16/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	123	mg/L	C		
O-30	O-30	12/13/1999		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	253	mg/L	C		
O-30	O-30	6/19/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	114	mg/L	C		
O-30	O-30	3/27/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	146	mg/L	C		
O-30	O-30	5/1/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	154	mg/L	C		
O-30	O-30	8/29/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	143	mg/L	C		
OC-04	OC-04	11/26/2002	10:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	351	mg/L	C		
OC-04	OC-04	10/3/2002	10:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	258	mg/L	C		
OE-02	OE-04	6/24/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	283	mg/L	C		
ROV-1	ROV-1	4/30/1999	13:10	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	80	mg/L	C		
ROV-1	ROV-1	8/23/1999	13:45	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	80	mg/L	C		
ROV-1	ROV-1	6/8/1999	14:14	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	77	mg/L	C		
ROV-1	ROV-1	10/13/1999	14:00	Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	84	mg/L	C		
OE-02	OE-05	7/8/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	228	mg/L	C		
OE-02	OE-05	8/27/2002		Water	HARDNESS, TOTAL (MG/L AS CaCO3)	Total	332	mg/L	C		
OC-04		10/4/2007	11:00:00	Water	Iron	Dissolved	19.4	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Iron	Total	1100	ug/l			
OC-04		7/16/2008	9:40:00	Water	Iron	Dissolved	29.9	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Iron	Total	1050	ug/l			
OC-04		8/19/2008	11:00:00	Water	Iron	Dissolved	58.2	ug/l			
OC-04		8/19/2008	11:00:00	Water	Iron	Total	848	ug/l			
OC-04		9/29/2008	10:00:00	Water	Iron	Dissolved	12.4	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Iron	Total	824	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Iron	Total	1200	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Iron	Total	696	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Iron	Total	340	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Iron	Total	2120	ug/l			
OC-04		10/4/2007	11:00:00	Water	Lead	Dissolved	3.82	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Lead	Total	4.55	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Lead	Dissolved	ND	ug/l	ND		
OC-04		7/16/2008	9:40:00	Water	Lead	Total	1.99	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Lead	Dissolved	ND	ug/l	ND		
OC-04		8/19/2008	11:00:00	Water	Lead	Total	1.51	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Lead	Dissolved	ND	ug/l	ND		
OC-04		9/29/2008	10:00:00	Water	Lead	Total	ND	ug/l	ND		
OCF-96		7/22/2008	8:10:00	Water	Lead	Total	2.3	ug/l	J		
OCF-96		7/29/2008	9:45:00	Water	Lead	Total	2.43	ug/l	J		
OCF-96		9/8/2008	8:00:00	Water	Lead	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Lead	Total	3.04	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Magnesium	Dissolved	27800	ug/l			
OC-04		10/4/2007	11:00:00	Water	Magnesium	Total	28200	ug/l			
OC-04		7/16/2008	9:40:00	Water	Magnesium	Dissolved	30200	ug/l			
OC-04		7/16/2008	9:40:00	Water	Magnesium	Total	32200	ug/l			
OC-04		8/19/2008	11:00:00	Water	Magnesium	Dissolved	26400	ug/l			
OC-04		8/19/2008	11:00:00	Water	Magnesium	Total	27000	ug/l			
OC-04		9/29/2008	10:00:00	Water	Magnesium	Dissolved	26100	ug/l			
OC-04		9/29/2008	10:00:00	Water	Magnesium	Total	26600	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Magnesium	Total	17700	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Magnesium	Total	11100	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Magnesium	Total	15500	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Magnesium	Total	8850	ug/l			
SLM	SOL-1	4/24/2006	14:50	Water	Manganese	total	150	ug/l			
SLM	SOL-1	6/28/2006	13:25	Water	Manganese	total	200	ug/l			5 ft
SLM	SOL-1	7/12/2006	14:25	Water	Manganese	total	240	ug/l			5 ft
SLM	SOL-1	8/31/2006	15:00	Water	Manganese	total	320	ug/l			1 ft
SLM	SOL-1	8/31/2006	15:00	Sediment	Manganese	total	1500	mg/kg			6 ft
SLM	SOL-1	10/26/2006	14:50	Water	Manganese	total	260	ug/l			5 ft
SLM	SOL-1	10/15/2003	12:30	Water	Manganese	total	150	ug/l		150	4 ft
SLM	SOL-1	8/19/2003	13:45	Sediment	Manganese	total	900	mg/kg		900	8 ft
SLM	SOL-1	8/19/2003	13:45	Water	Manganese	total	320	ug/l		320	4 ft
SLM	SOL-1	7/21/2003	13:05	Water	Manganese	total	120	ug/l		120	4 ft
SLM	SOL-1	6/17/2003	14:15	Water	Manganese	total	94	ug/l		94	4 ft
SLM	SOL-1	5/12/2003	13:00	Water	Manganese	total	240	ug/l		240	4 ft
OC-04		10/4/2007	11:00:00	Water	Manganese	Dissolved	89.3	ug/l			
OC-04		10/4/2007	11:00:00	Water	Manganese	Total	126	ug/l			
OC-04		7/16/2008	9:40:00	Water	Manganese	Dissolved	101	ug/l			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04		7/16/2008	9:40:00	Water	Manganese	Total	138	ug/l			
OC-04		8/19/2008	11:00:00	Water	Manganese	Dissolved	112	ug/l			
OC-04		8/19/2008	11:00:00	Water	Manganese	Total	124	ug/l			
OC-04		9/29/2008	10:00:00	Water	Manganese	Dissolved	95.8	ug/l			
OC-04		9/29/2008	10:00:00	Water	Manganese	Total	136	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Manganese	Total	184	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Manganese	Total	82.8	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Manganese	Total	105	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Manganese	Total	227	ug/l			
SOC-1	SOC-1	08/21/2003	13:15	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	1300	mg/kg			
SOC-3	SOC-3	08/21/2003	14:20	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	680	mg/kg			
SLM	SOL-1	8/31/2006	15:00	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	1500	mg/kg			
SLM	SOL-1	8/19/2003	13:45	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	900	mg/kg	900		
ROV-1	ROV-1	8/4/1992	0:00	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	1800	mg/kg			
O-20	O-20	8/28/2002		Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	1100	mg/kg			
ROV-1	ROV-1	8/23/1999	14:30	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	280	mg/kg			
ROV-3	ROV-3	8/23/1999	15:30	Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	660	mg/kg			
OE-02	OE-05	7/8/2002		Sediment	MANGANESE IN BOTTOM DEPOSITS	Total	480	mg/kg			
OE-02	OE-04	11/12/1996	0:00	Water	Manganese, Dissolved	Dissolved	420	µg/L			
OE-02	OE-04	7/10/1996	0:00	Water	Manganese, Dissolved	Dissolved	1800	µg/L			
O-20	O-20	1/24/1990	0:00	Water	Manganese, Dissolved	Dissolved	90	µg/L			
O-20	O-20	1/28/1991	0:00	Water	Manganese, Dissolved	Dissolved	47	µg/L			
O-20	O-20	6/18/1991	0:00	Water	Manganese, Dissolved	Dissolved	17	µg/L			
O-20	O-20	8/1/1991	0:00	Water	Manganese, Dissolved	Dissolved	115	µg/L			
O-20	O-20	3/30/1992	0:00	Water	Manganese, Dissolved	Dissolved	170	µg/L			
O-20	O-20	4/29/1992	0:00	Water	Manganese, Dissolved	Dissolved	43	µg/L			
O-20	O-20	11/7/1995	0:00	Water	Manganese, Dissolved	Dissolved	500	µg/L			
O-20	O-20	2/20/1996	0:00	Water	Manganese, Dissolved	Dissolved	25	µg/L			
O-20	O-20	9/10/1997	0:00	Water	Manganese, Dissolved	Dissolved	260	µg/L			
O-20	O-20	11/12/1997	0:00	Water	Manganese, Dissolved	Dissolved	400	µg/L			
O-20	O-20	10/7/1998	0:00	Water	Manganese, Dissolved	Dissolved	21	µg/L			
O-20	O-20	11/18/1998	0:00	Water	Manganese, Dissolved	Dissolved	220	µg/L			
O-20	O-20	2/15/1990	0:00	Water	Manganese, Dissolved	Dissolved	28	µg/L			
O-20	O-20	8/23/1990	0:00	Water	Manganese, Dissolved	Dissolved	16	µg/L			
O-20	O-20	1/13/1992	0:00	Water	Manganese, Dissolved	Dissolved	91	µg/L			
O-20	O-20	1/24/1996	0:00	Water	Manganese, Dissolved	Dissolved	52	µg/L			
O-20	O-20	6/3/1996	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	8/26/1996	0:00	Water	Manganese, Dissolved	Dissolved	55	µg/L			
O-20	O-20	3/31/1997	0:00	Water	Manganese, Dissolved	Dissolved	64	µg/L			
O-20	O-20	5/11/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	6/8/1998	0:00	Water	Manganese, Dissolved	Dissolved	16	µg/L			
O-20	O-20	12/17/1991	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	6/11/1992	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	8/13/1992	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	9/20/1993	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	4/24/1996	0:00	Water	Manganese, Dissolved	Dissolved	46	µg/L			
O-20	O-20	6/3/1997	0:00	Water	Manganese, Dissolved	Dissolved	140	µg/L			
O-20	O-20	2/17/1998	0:00	Water	Manganese, Dissolved	Dissolved	110	µg/L			
O-20	O-20	4/3/1990	0:00	Water	Manganese, Dissolved	Dissolved	21	µg/L			
O-20	O-20	5/2/1991	0:00	Water	Manganese, Dissolved	Dissolved	130	µg/L			
O-20	O-20	9/24/1991	0:00	Water	Manganese, Dissolved	Dissolved	104	µg/L			
O-20	O-20	11/12/1991	0:00	Water	Manganese, Dissolved	Dissolved	540	µg/L			
O-20	O-20	12/3/1992	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	1/14/1993	0:00	Water	Manganese, Dissolved	Dissolved	33	µg/L			
O-20	O-20	4/27/1993	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	11/23/1993	0:00	Water	Manganese, Dissolved	Dissolved	23	µg/L			
O-20	O-20	11/9/1994	0:00	Water	Manganese, Dissolved	Dissolved	150	µg/L			
O-20	O-20	2/16/1995	0:00	Water	Manganese, Dissolved	Dissolved	39	µg/L			
O-20	O-20	10/16/1996	0:00	Water	Manganese, Dissolved	Dissolved	320	µg/L			
O-20	O-20	1/15/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	3/26/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	7/15/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	9/27/1990	0:00	Water	Manganese, Dissolved	Dissolved	299	µg/L			
O-20	O-20	3/4/1991	0:00	Water	Manganese, Dissolved	Dissolved	46	µg/L			
O-20	O-20	5/24/1993	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	9/6/1993	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	2/28/1994	0:00	Water	Manganese, Dissolved	Dissolved	39	µg/L			
O-20	O-20	5/18/1994	0:00	Water	Manganese, Dissolved	Dissolved	23	µg/L			
O-20	O-20	1/18/1995	0:00	Water	Manganese, Dissolved	Dissolved	60	µg/L			
O-20	O-20	5/15/1995	0:00	Water	Manganese, Dissolved	Dissolved	18	µg/L			
O-20	O-20	3/27/1996	0:00	Water	Manganese, Dissolved	Dissolved	59	µg/L			
O-20	O-20	11/13/1996	0:00	Water	Manganese, Dissolved	Dissolved	230	µg/L			
O-20	O-20	1/13/1997	0:00	Water	Manganese, Dissolved	Dissolved	21	µg/L			
O-20	O-20	12/10/1997	0:00	Water	Manganese, Dissolved	Dissolved	150	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O-20	10/29/1990	0:00	Water	Manganese, Dissolved	Dissolved	56	µg/L			
O-20	O-20	9/15/1992	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	2/24/1993	0:00	Water	Manganese, Dissolved	Dissolved	34	µg/L			
O-20	O-20	6/23/1993	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	8/9/1993	0:00	Water	Manganese, Dissolved	Dissolved	27	µg/L			
O-20	O-20	12/14/1994	0:00	Water	Manganese, Dissolved	Dissolved	19	µg/L			
O-20	O-20	7/15/1996	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	7/7/1997	0:00	Water	Manganese, Dissolved	Dissolved	55	µg/L			
O-20	O-20	11/2/1992	0:00	Water	Manganese, Dissolved	Dissolved	600	µg/L			
O-20	O-20	1/31/1994	0:00	Water	Manganese, Dissolved	Dissolved	25	µg/L			
O-20	O-20	3/22/1995	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	6/14/1995	0:00	Water	Manganese, Dissolved	Dissolved	34	µg/L			
O-20	O-20	9/5/1995	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	12/13/1995	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	8/24/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	5/7/1990	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L			
O-20	O-20	7/9/1990	0:00	Water	Manganese, Dissolved	Dissolved	10	µg/L			
O-20	O-20	12/12/1990	0:00	Water	Manganese, Dissolved	Dissolved	7	µg/L			
O-20	O-20	4/4/1991	0:00	Water	Manganese, Dissolved	Dissolved	32	µg/L			
O-20	O-20	2/18/1992	0:00	Water	Manganese, Dissolved	Dissolved	59	µg/L			
O-20	O-20	3/30/1994	0:00	Water	Manganese, Dissolved	Dissolved	87	µg/L			
O-20	O-20	6/2/1994	0:00	Water	Manganese, Dissolved	Dissolved	52	µg/L			
O-20	O-20	7/13/1994	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	9/28/1994	0:00	Water	Manganese, Dissolved	Dissolved	120	µg/L			
O-20	O-20	7/12/1995	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	2/19/1997	0:00	Water	Manganese, Dissolved	Dissolved	56	µg/L			
O-20	O-20	8/12/1997	0:00	Water	Manganese, Dissolved	Dissolved	250	µg/L			
O-30	O-30	1/13/1992	0:00	Water	Manganese, Dissolved	Dissolved	230	µg/L			
O-30	O-30	11/23/1993	0:00	Water	Manganese, Dissolved	Dissolved	120	µg/L			
O-30	O-30	3/30/1994	0:00	Water	Manganese, Dissolved	Dissolved	84	µg/L			
O-30	O-30	6/2/1994	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	7/13/1994	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	9/28/1994	0:00	Water	Manganese, Dissolved	Dissolved	25	µg/L			
O-30	O-30	11/9/1994	0:00	Water	Manganese, Dissolved	Dissolved	27	µg/L			
O-30	O-30	2/16/1995	0:00	Water	Manganese, Dissolved	Dissolved	71	µg/L			
O-30	O-30	7/21/1995	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	3/27/1996	0:00	Water	Manganese, Dissolved	Dissolved	150	µg/L			
O-30	O-30	6/3/1996	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	10/16/1996	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	6/3/1997	0:00	Water	Manganese, Dissolved	Dissolved	440	µg/L			
O-30	O-30	3/26/1998	0:00	Water	Manganese, Dissolved	Dissolved	110	µg/L			
O-30	O-30	1/4/1990	0:00	Water	Manganese, Dissolved	Dissolved	128	µg/L			
O-30	O-30	4/25/1990	0:00	Water	Manganese, Dissolved	Dissolved	30	µg/L			
O-30	O-30	9/12/1990	0:00	Water	Manganese, Dissolved	Dissolved	23	µg/L			
O-30	O-30	11/14/1991	0:00	Water	Manganese, Dissolved	Dissolved	74	µg/L			
O-30	O-30	12/3/1992	0:00	Water	Manganese, Dissolved	Dissolved	26	µg/L			
O-30	O-30	5/24/1993	0:00	Water	Manganese, Dissolved	Dissolved	66	µg/L			
O-30	O-30	5/15/1995	0:00	Water	Manganese, Dissolved	Dissolved	56	µg/L			
O-30	O-30	2/20/1996	0:00	Water	Manganese, Dissolved	Dissolved	100	µg/L			
O-30	O-30	4/24/1996	0:00	Water	Manganese, Dissolved	Dissolved	280	µg/L			
O-30	O-30	3/31/1997	0:00	Water	Manganese, Dissolved	Dissolved	170	µg/L			
O-30	O-30	7/7/1997	0:00	Water	Manganese, Dissolved	Dissolved	170	µg/L			
O-30	O-30	5/11/1998	0:00	Water	Manganese, Dissolved	Dissolved	140	µg/L			
O-30	O-30	8/24/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	6/6/1990	0:00	Water	Manganese, Dissolved	Dissolved	112	µg/L			
O-30	O-30	5/15/1991	0:00	Water	Manganese, Dissolved	Dissolved	16	µg/L			
O-30	O-30	8/1/1991	0:00	Water	Manganese, Dissolved	Dissolved	411	µg/L			
O-30	O-30	9/24/1991	0:00	Water	Manganese, Dissolved	Dissolved	102	µg/L			
O-30	O-30	3/30/1992	0:00	Water	Manganese, Dissolved	Dissolved	180	µg/L			
O-30	O-30	4/29/1992	0:00	Water	Manganese, Dissolved	Dissolved	120	µg/L			
O-30	O-30	6/11/1992	0:00	Water	Manganese, Dissolved	Dissolved	66	µg/L			
O-30	O-30	8/13/1992	0:00	Water	Manganese, Dissolved	Dissolved	33	µg/L			
O-30	O-30	9/15/1992	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	1/14/1993	0:00	Water	Manganese, Dissolved	Dissolved	64	µg/L			
O-30	O-30	10/6/1993	0:00	Water	Manganese, Dissolved	Dissolved	150	µg/L			
O-30	O-30	6/14/1995	0:00	Water	Manganese, Dissolved	Dissolved	190	µg/L			
O-30	O-30	1/13/1997	0:00	Water	Manganese, Dissolved	Dissolved	38	µg/L			
O-30	O-30	9/10/1997	0:00	Water	Manganese, Dissolved	Dissolved	290	µg/L			
O-30	O-30	11/18/1998	0:00	Water	Manganese, Dissolved	Dissolved	89	µg/L			
O-30	O-30	4/1/1991	0:00	Water	Manganese, Dissolved	Dissolved	37	µg/L			
O-30	O-30	6/18/1991	0:00	Water	Manganese, Dissolved	Dissolved	170	µg/L			
O-30	O-30	11/12/1991	0:00	Water	Manganese, Dissolved	Dissolved	140	µg/L			
O-30	O-30	11/2/1992	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	2/24/1993	0:00	Water	Manganese, Dissolved	Dissolved	55	µg/L			
O-30	O-30	3/22/1995	0:00	Water	Manganese, Dissolved	Dissolved	35	µg/L			
O-30	O-30	8/26/1996	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	11/12/1997	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	2/17/1998	0:00	Water	Manganese, Dissolved	Dissolved	130	µg/L			
O-30	O-30	10/23/1990	0:00	Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-30	O-30	9/20/1993	0:00	Water	Manganese, Dissolved	Dissolved	130	µg/L			
O-30	O-30	1/18/1995	0:00	Water	Manganese, Dissolved	Dissolved	88	µg/L			
O-30	O-30	7/15/1998	0:00	Water	Manganese, Dissolved	Dissolved	110	µg/L			
O-30	O-30	7/17/1990	0:00	Water	Manganese, Dissolved	Dissolved	72	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	12/10/1990	0:00	Water	Manganese, Dissolved	Dissolved	22	µg/L			
O-30	O-30	6/23/1993	0:00	Water	Manganese, Dissolved	Dissolved	46	µg/L			
O-30	O-30	8/9/1993	0:00	Water	Manganese, Dissolved	Dissolved	85	µg/L			
O-30	O-30	9/5/1995	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	12/13/1995	0:00	Water	Manganese, Dissolved	Dissolved	120	µg/L			
O-30	O-30	1/24/1996	0:00	Water	Manganese, Dissolved	Dissolved	56	µg/L			
O-30	O-30	7/15/1996	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	11/13/1996	0:00	Water	Manganese, Dissolved	Dissolved	63	µg/L			
O-30	O-30	12/10/1997	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	3/19/1990	0:00	Water	Manganese, Dissolved	Dissolved	18	µg/L			
O-30	O-30	12/17/1991	0:00	Water	Manganese, Dissolved	Dissolved	430	µg/L			
O-30	O-30	4/27/1993	0:00	Water	Manganese, Dissolved	Dissolved	18	µg/L			
O-30	O-30	1/31/1994	0:00	Water	Manganese, Dissolved	Dissolved	66	µg/L			
O-30	O-30	2/28/1994	0:00	Water	Manganese, Dissolved	Dissolved	77	µg/L			
O-30	O-30	5/18/1994	0:00	Water	Manganese, Dissolved	Dissolved	22	µg/L			
O-30	O-30	12/14/1994	0:00	Water	Manganese, Dissolved	Dissolved	59	µg/L			
O-30	O-30	8/12/1997	0:00	Water	Manganese, Dissolved	Dissolved	160	µg/L			
O-30	O-30	2/1/1990	0:00	Water	Manganese, Dissolved	Dissolved	23	µg/L			
O-30	O-30	2/27/1991	0:00	Water	Manganese, Dissolved	Dissolved	68	µg/L			
O-30	O-30	2/18/1992	0:00	Water	Manganese, Dissolved	Dissolved	221	µg/L			
O-30	O-30	11/7/1995	0:00	Water	Manganese, Dissolved	Dissolved	92	µg/L			
O-30	O-30	2/19/1997	0:00	Water	Manganese, Dissolved	Dissolved	100	µg/L			
O-30	O-30	1/15/1998	0:00	Water	Manganese, Dissolved	Dissolved	28	µg/L			
O-30	O-30	6/8/1998	0:00	Water	Manganese, Dissolved	Dissolved	81	µg/L			
O-30	O-30	10/7/1998	0:00	Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	3/7/2005	9:30	Water	Manganese, Dissolved	Dissolved	6.2	µg/L			
O-20	O-20	2/3/2005	9:30	Water	Manganese, Dissolved	Dissolved	16	µg/L			
O-20	O-20	1/3/2005	10:30	Water	Manganese, Dissolved	Dissolved	65	µg/L			
O-20	O-20	11/9/2004	9:30	Water	Manganese, Dissolved	Dissolved	8.2	µg/L			
O-20	O-20	9/9/2004	9:00	Water	Manganese, Dissolved	Dissolved	5.6	µg/L			
O-20	O-20	8/12/2004	10:00	Water	Manganese, Dissolved	Dissolved	420	µg/L			
O-20	O-20	8/31/2005	14:00	Water	Manganese, Dissolved	Dissolved	130	µg/L			
O-20	O-20	11/14/2005	9:00	Water	Manganese, Dissolved	Dissolved	480	µg/L			
O-20	O-20	10/12/2005	11:55	Water	Manganese, Dissolved	Dissolved	400	µg/L			
O-20	O-20	9/20/2005	12:30	Water	Manganese, Dissolved	Dissolved	160	µg/L			
O-20	O-20	4/5/2005	15:30	Water	Manganese, Dissolved	Dissolved	63	µg/L			
O-20	O-20	6/29/2005	9:30	Water	Manganese, Dissolved	Dissolved	120	µg/L			
O-20	O-20	5/13/2005	10:00	Water	Manganese, Dissolved	Dissolved	370	µg/L			
O-20	O-20	4/19/2004	8:30	Water	Manganese, Dissolved	Dissolved	14	µg/L			
O-20	O-20	6/23/2004	9:30	Water	Manganese, Dissolved	Dissolved	3.3	µg/L	J		
O-20	O-20	5/26/2004	9:00	Water	Manganese, Dissolved	Dissolved		µg/L	ND		
O-20	O-20	2/26/2004	9:00	Water	Manganese, Dissolved	Dissolved	25	µg/L			
O-30	O-30	1/5/2005	13:30	Water	Manganese, Dissolved	Dissolved	190	µg/L			
O-30	O-30	2/1/2005	11:00	Water	Manganese, Dissolved	Dissolved	38	µg/L			
O-30	O-30	3/10/2005	11:30	Water	Manganese, Dissolved	Dissolved	17	µg/L			
O-30	O-30	11/15/2004	12:00	Water	Manganese, Dissolved	Dissolved	96	µg/L			
O-30	O-30	9/9/2004	11:30	Water	Manganese, Dissolved	Dissolved	16	µg/L			
O-30	O-30	8/12/2004	12:00	Water	Manganese, Dissolved	Dissolved	200	µg/L			
O-30	O-30	9/21/2005	12:00	Water	Manganese, Dissolved	Dissolved	15	µg/L			
O-30	O-30	6/23/2004	11:30	Water	Manganese, Dissolved	Dissolved	34	µg/L			
O-30	O-30	12/1/2005	10:00	Water	Manganese, Dissolved	Dissolved	310	µg/L			
O-30	O-30	10/12/2005	10:00	Water	Manganese, Dissolved	Dissolved	130	µg/L			
O-30	O-30	8/15/2005	11:00	Water	Manganese, Dissolved	Dissolved	32	µg/L			
O-30	O-30	6/22/2005	10:05	Water	Manganese, Dissolved	Dissolved	10	µg/L			
O-30	O-30	5/20/2005	10:45	Water	Manganese, Dissolved	Dissolved	45	µg/L			
O-30	O-30	5/26/2004	11:00	Water	Manganese, Dissolved	Dissolved	160	µg/L			
O-30	O-30	4/19/2004	11:00	Water	Manganese, Dissolved	Dissolved	3.2	µg/L	J		
O-30	O-30	2/26/2004	13:00	Water	Manganese, Dissolved	Dissolved	62	µg/L			
OC-04	OC-04	3/7/2005	13:00	Water	Manganese, Dissolved	Dissolved	160	µg/L			
OC-04	OC-04	2/3/2005	13:00	Water	Manganese, Dissolved	Dissolved	210	µg/L			
OC-04	OC-04	1/3/2005	13:40	Water	Manganese, Dissolved	Dissolved	49	µg/L			
OC-04	OC-04	11/9/2004	12:30	Water	Manganese, Dissolved	Dissolved	75	µg/L			
OC-04	OC-04	9/1/2004	15:00	Water	Manganese, Dissolved	Dissolved	80	µg/L			
OC-04	OC-04	7/21/2004	14:45	Water	Manganese, Dissolved	Dissolved	130	µg/L			
OC-04	OC-04	11/5/2005	10:30	Water	Manganese, Dissolved	Dissolved	110	µg/L			
OC-04	OC-04	10/24/2005	13:30	Water	Manganese, Dissolved	Dissolved	71	µg/L			
OC-04	OC-04	9/20/2005	15:00	Water	Manganese, Dissolved	Dissolved	86	µg/L			
OC-04	OC-04	4/6/2005	9:30	Water	Manganese, Dissolved	Dissolved	130	µg/L			
OC-04	OC-04	8/31/2005	16:00	Water	Manganese, Dissolved	Dissolved	96	µg/L			
OC-04	OC-04	6/29/2005	12:00	Water	Manganese, Dissolved	Dissolved	100	µg/L			
OC-04	OC-04	5/13/2005	12:45	Water	Manganese, Dissolved	Dissolved	160	µg/L			
OC-04	OC-04	6/10/2004	9:15	Water	Manganese, Dissolved	Dissolved	140	µg/L			
OC-04	OC-04	5/6/2004	9:30	Water	Manganese, Dissolved	Dissolved	120	µg/L			
OC-04	OC-04	3/24/2004	3:30	Water	Manganese, Dissolved	Dissolved	160	µg/L			
OC-04	OC-04	2/26/2004	9:00	Water	Manganese, Dissolved	Dissolved	170	µg/L			
O-20	O-20	8/11/2003	9:30	Water	Manganese, Dissolved	Dissolved	44	µg/L			
O-20	O-20	6/12/2003	10:00	Water	Manganese, Dissolved	Dissolved	80	µg/L			
O-20	O-20	5/12/2003	11:00	Water	Manganese, Dissolved	Dissolved	52	µg/L			
O-20	O-20	1/22/2003	9:00	Water	Manganese, Dissolved	Dissolved	350	µg/L			
O-20	O-20	4/17/2003	8:00	Water	Manganese, Dissolved	Dissolved	560	µg/L			
O-20	O-20	2/13/2003	10:00	Water	Manganese, Dissolved	Dissolved	430	µg/L			
O-20	O-20	9/22/2003	10:30	Water	Manganese, Dissolved	Dissolved	330	µg/L			
O-20	O-20	1/21/2004	9:30	Water	Manganese, Dissolved	Dissolved	18	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O-20	12/10/2003	11:00	Water	Manganese, Dissolved	Dissolved	30	µg/L			
O-20	O-20	10/27/2003	9:30	Water	Manganese, Dissolved	Dissolved	510	µg/L			
O-30	O-30	8/4/2003	10:00	Water	Manganese, Dissolved	Dissolved	15	µg/L			
O-30	O-30	9/4/2003	8:00	Water	Manganese, Dissolved	Dissolved	120	µg/L			
O-30	O-30	5/27/2003	10:00	Water	Manganese, Dissolved	Dissolved	56	µg/L			
O-30	O-30	6/18/2003	10:30	Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-30	O-30	4/25/2003	11:45	Water	Manganese, Dissolved	Dissolved	490	µg/L			
O-30	O-30	3/6/2003	11:00	Water	Manganese, Dissolved	Dissolved	51	µg/L			
O-30	O-30	1/29/2003	11:45	Water	Manganese, Dissolved	Dissolved	96	µg/L			
O-30	O-30	10/15/2003	11:00	Water	Manganese, Dissolved	Dissolved	15	µg/L			
O-30	O-30	12/10/2003	11:00	Water	Manganese, Dissolved	Dissolved	26	µg/L			
O-30	O-30	1/21/2004	12:00	Water	Manganese, Dissolved	Dissolved	34	µg/L			
OC-04	OC-04	7/31/2003	12:00	Water	Manganese, Dissolved	Dissolved	77	µg/L			
OC-04	OC-04	9/11/2003	11:15	Water	Manganese, Dissolved	Dissolved	110	µg/L			
OC-04	OC-04	5/15/2003	11:30	Water	Manganese, Dissolved	Dissolved	130	µg/L			
OC-04	OC-04	4/17/2003	12:00	Water	Manganese, Dissolved	Dissolved	150	µg/L			
OC-04	OC-04	2/13/2003	14:00	Water	Manganese, Dissolved	Dissolved	130	µg/L			
OC-04	OC-04	1/22/2003	13:00	Water	Manganese, Dissolved	Dissolved	140	µg/L			
OC-04	OC-04	6/18/2003	14:15	Water	Manganese, Dissolved	Dissolved	110	µg/L			
OC-04	OC-04	1/7/2004	15:15	Water	Manganese, Dissolved	Dissolved	150	µg/L			
OC-04	OC-04	11/20/2003	11:00	Water	Manganese, Dissolved	Dissolved	210	µg/L			
OC-04	OC-04	10/22/2003	14:00	Water	Manganese, Dissolved	Dissolved	93	µg/L			
OE-02	OE-04	6/24/2002		Water	Manganese, Dissolved	Dissolved	590	µg/L			
O-03	O-03	6/24/2002		Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-03	O-03	9/12/2002		Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-03	O-03	8/28/2002		Water	Manganese, Dissolved	Dissolved	28	µg/L			
O-97	O-04	8/28/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-97	O-04	6/24/2002		Water	Manganese, Dissolved	Dissolved	36	µg/L			
O-97	O-04	7/9/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	11/26/2002	13:00	Water	Manganese, Dissolved	Dissolved	81	µg/L			
O-20	O-20	10/29/2002	11:00	Water	Manganese, Dissolved	Dissolved	160	µg/L			
O-20	O-20	7/27/2000		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	3/21/2001		Water	Manganese, Dissolved	Dissolved	66	µg/L			
O-20	O-20	2/1/2000		Water	Manganese, Dissolved	Dissolved	83	µg/L			
O-20	O-20	8/29/2002		Water	Manganese, Dissolved	Dissolved	21	µg/L			
O-20	O-20	2/13/2001		Water	Manganese, Dissolved	Dissolved	31	µg/L			
O-20	O-20	1/8/2002		Water	Manganese, Dissolved	Dissolved	25	µg/L			
O-20	O-20	1/24/2001		Water	Manganese, Dissolved	Dissolved	59	µg/L			
O-20	O-20	3/27/2002		Water	Manganese, Dissolved	Dissolved	18	µg/L			
O-20	O-20	2/13/2002		Water	Manganese, Dissolved	Dissolved	16	µg/L			
O-20	O-20	4/20/2000		Water	Manganese, Dissolved	Dissolved	200	µg/L			
O-20	O-20	3/9/2000		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	12/6/2000		Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-20	O-20	7/22/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	8/21/2001		Water	Manganese, Dissolved	Dissolved	220	µg/L			
O-20	O-20	5/11/1999		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	5/1/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	9/25/2000		Water	Manganese, Dissolved	Dissolved	22	µg/L			
O-20	O-20	1/27/1999		Water	Manganese, Dissolved	Dissolved	28	µg/L			
O-20	O-20	11/14/2001		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	6/19/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	9/20/1999		Water	Manganese, Dissolved	Dissolved	250	µg/L			
O-20	O-20	4/7/1999		Water	Manganese, Dissolved	Dissolved	17	µg/L			
O-20	O-20	6/4/2001		Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-20	O-20	12/13/1999		Water	Manganese, Dissolved	Dissolved	30	µg/L			
O-20	O-20	7/17/2001		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	6/16/1999		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	6/15/2000		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	11/2/2000		Water	Manganese, Dissolved	Dissolved	49	µg/L			
O-20	O-20	5/18/2000		Water	Manganese, Dissolved	Dissolved	18	µg/L			
O-20	O-20	2/16/1999		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-20	O-20	10/9/2001		Water	Manganese, Dissolved	Dissolved	430	µg/L			
O-20	O-20	11/2/1999		Water	Manganese, Dissolved	Dissolved	720	µg/L			
O-20	O-20	5/2/2001		Water	Manganese, Dissolved	Dissolved	81	µg/L			
O-30	O-30	10/29/2002	9:00	Water	Manganese, Dissolved	Dissolved	19	µg/L			
O-30	O-30	12/19/2002	7:00	Water	Manganese, Dissolved	Dissolved	48	µg/L			
O-30	O-30	11/2/2000		Water	Manganese, Dissolved	Dissolved	21	µg/L			
O-30	O-30	12/6/2000		Water	Manganese, Dissolved	Dissolved	30	µg/L			
O-30	O-30	1/8/2002		Water	Manganese, Dissolved	Dissolved	34	µg/L			
O-30	O-30	4/20/2000		Water	Manganese, Dissolved	Dissolved	280	µg/L			
O-30	O-30	8/6/1999		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	9/25/2000		Water	Manganese, Dissolved	Dissolved	19	µg/L			
O-30	O-30	2/1/2000		Water	Manganese, Dissolved	Dissolved	23	µg/L			
O-30	O-30	6/15/2000		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	11/2/1999		Water	Manganese, Dissolved	Dissolved	40	µg/L			
O-30	O-30	11/14/2001		Water	Manganese, Dissolved	Dissolved	44	µg/L			
O-30	O-30	6/4/2001		Water	Manganese, Dissolved	Dissolved	430	µg/L			
O-30	O-30	6/16/1999		Water	Manganese, Dissolved	Dissolved	60	µg/L			
O-30	O-30	7/17/2001		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	10/9/2001		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	8/21/2001		Water	Manganese, Dissolved	Dissolved	30	µg/L			
O-30	O-30	2/13/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	7/27/2000		Water	Manganese, Dissolved	Dissolved	18	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	3/9/2000		Water	Manganese, Dissolved	Dissolved	170	µg/L			
O-30	O-30	2/13/2001		Water	Manganese, Dissolved	Dissolved	61	µg/L			
O-30	O-30	1/24/2001		Water	Manganese, Dissolved	Dissolved	67	µg/L			
O-30	O-30	3/21/2001		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	9/20/1999		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	5/18/2000		Water	Manganese, Dissolved	Dissolved	340	µg/L			
O-30	O-30	5/11/1999		Water	Manganese, Dissolved	Dissolved	18	µg/L			
O-30	O-30	12/13/1999		Water	Manganese, Dissolved	Dissolved	550	µg/L			
O-30	O-30	7/22/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
O-30	O-30	4/7/1999		Water	Manganese, Dissolved	Dissolved	19	µg/L			
O-30	O-30	2/16/1999		Water	Manganese, Dissolved	Dissolved	41	µg/L			
O-30	O-30	1/27/1999		Water	Manganese, Dissolved	Dissolved	250	µg/L			
O-30	O-30	3/27/2002		Water	Manganese, Dissolved	Dissolved	55	µg/L			
O-30	O-30	5/1/2002		Water	Manganese, Dissolved	Dissolved	17	µg/L			
O-30	O-30	6/19/2002		Water	Manganese, Dissolved	Dissolved	20	µg/L			
O-30	O-30	8/29/2002		Water	Manganese, Dissolved	Dissolved	15	µg/L	K		
OC-04	OC-04	11/26/2002	10:00	Water	Manganese, Dissolved	Dissolved	77	µg/L			
OC-04	OC-04	10/3/2002	10:00	Water	Manganese, Dissolved	Dissolved	62	µg/L			
OE-02	OE-05	7/8/2002		Water	Manganese, Dissolved	Dissolved	2700	µg/L			
OE-02	OE-05	8/27/2002		Water	Manganese, Dissolved	Dissolved	3600	µg/L			
OE-02	OE-04	7/10/1996	0:00	Water	Manganese, Total	Total	1900	µg/L			
OE-02	OE-04	11/12/1996	0:00	Water	Manganese, Total	Total	480	µg/L			
O-20	O-20	2/15/1990	0:00	Water	Manganese, Total	Total	157	µg/L			
O-20	O-20	4/3/1990	0:00	Water	Manganese, Total	Total	374	µg/L			
O-20	O-20	8/23/1990	0:00	Water	Manganese, Total	Total	192	µg/L			
O-20	O-20	8/1/1991	0:00	Water	Manganese, Total	Total	336	µg/L			
O-20	O-20	12/17/1991	0:00	Water	Manganese, Total	Total	230	µg/L			
O-20	O-20	1/13/1992	0:00	Water	Manganese, Total	Total	150	µg/L			
O-20	O-20	9/15/1992	0:00	Water	Manganese, Total	Total	230	µg/L			
O-20	O-20	12/3/1992	0:00	Water	Manganese, Total	Total	150	µg/L			
O-20	O-20	3/27/1996	0:00	Water	Manganese, Total	Total	380	µg/L			
O-20	O-20	7/15/1996	0:00	Water	Manganese, Total	Total	240	µg/L			
O-20	O-20	12/10/1997	0:00	Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	1/24/1990	0:00	Water	Manganese, Total	Total	184	µg/L			
O-20	O-20	5/7/1990	0:00	Water	Manganese, Total	Total	233	µg/L			
O-20	O-20	4/29/1992	0:00	Water	Manganese, Total	Total	260	µg/L			
O-20	O-20	5/18/1994	0:00	Water	Manganese, Total	Total	100	µg/L			
O-20	O-20	8/26/1996	0:00	Water	Manganese, Total	Total	240	µg/L			
O-20	O-20	10/16/1996	0:00	Water	Manganese, Total	Total	470	µg/L			
O-20	O-20	7/15/1998	0:00	Water	Manganese, Total	Total	160	µg/L			
O-20	O-20	11/18/1998	0:00	Water	Manganese, Total	Total	280	µg/L			
O-20	O-20	5/2/1991	0:00	Water	Manganese, Total	Total	250	µg/L			
O-20	O-20	3/30/1992	0:00	Water	Manganese, Total	Total	820	µg/L			
O-20	O-20	6/11/1992	0:00	Water	Manganese, Total	Total	370	µg/L			
O-20	O-20	1/14/1993	0:00	Water	Manganese, Total	Total	100	µg/L			
O-20	O-20	6/23/1993	0:00	Water	Manganese, Total	Total	260	µg/L			
O-20	O-20	8/9/1993	0:00	Water	Manganese, Total	Total	300	µg/L			
O-20	O-20	9/6/1993	0:00	Water	Manganese, Total	Total	170	µg/L			
O-20	O-20	11/9/1994	0:00	Water	Manganese, Total	Total	350	µg/L			
O-20	O-20	2/20/1996	0:00	Water	Manganese, Total	Total	130	µg/L			
O-20	O-20	4/24/1996	0:00	Water	Manganese, Total	Total	240	µg/L			
O-20	O-20	6/3/1996	0:00	Water	Manganese, Total	Total	360	µg/L			
O-20	O-20	8/12/1997	0:00	Water	Manganese, Total	Total	530	µg/L			
O-20	O-20	1/15/1998	0:00	Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	8/24/1998	0:00	Water	Manganese, Total	Total	170	µg/L			
O-20	O-20	7/9/1990	0:00	Water	Manganese, Total	Total	199	µg/L			
O-20	O-20	4/4/1991	0:00	Water	Manganese, Total	Total	179	µg/L			
O-20	O-20	9/24/1991	0:00	Water	Manganese, Total	Total	305	µg/L			
O-20	O-20	11/12/1991	0:00	Water	Manganese, Total	Total	600	µg/L			
O-20	O-20	1/18/1995	0:00	Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	7/12/1995	0:00	Water	Manganese, Total	Total	170	µg/L			
O-20	O-20	11/12/1997	0:00	Water	Manganese, Total	Total	440	µg/L			
O-20	O-20	6/8/1998	0:00	Water	Manganese, Total	Total	150	µg/L			
O-20	O-20	1/28/1991	0:00	Water	Manganese, Total	Total	125	µg/L			
O-20	O-20	3/4/1991	0:00	Water	Manganese, Total	Total	116	µg/L			
O-20	O-20	4/27/1993	0:00	Water	Manganese, Total	Total	280	µg/L			
O-20	O-20	5/24/1993	0:00	Water	Manganese, Total	Total	240	µg/L			
O-20	O-20	9/20/1993	0:00	Water	Manganese, Total	Total	170	µg/L			
O-20	O-20	12/14/1994	0:00	Water	Manganese, Total	Total	270	µg/L			
O-20	O-20	2/16/1995	0:00	Water	Manganese, Total	Total	130	µg/L			
O-20	O-20	5/15/1995	0:00	Water	Manganese, Total	Total	161	µg/L			
O-20	O-20	6/14/1995	0:00	Water	Manganese, Total	Total	300	µg/L			
O-20	O-20	2/19/1997	0:00	Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	2/18/1992	0:00	Water	Manganese, Total	Total	200	µg/L			
O-20	O-20	11/23/1993	0:00	Water	Manganese, Total	Total	70	µg/L			
O-20	O-20	2/28/1994	0:00	Water	Manganese, Total	Total	120	µg/L			
O-20	O-20	3/22/1995	0:00	Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	9/5/1995	0:00	Water	Manganese, Total	Total	350	µg/L			
O-20	O-20	11/7/1995	0:00	Water	Manganese, Total	Total	560	µg/L			
O-20	O-20	12/13/1995	0:00	Water	Manganese, Total	Total	100	µg/L			
O-20	O-20	1/24/1996	0:00	Water	Manganese, Total	Total	320	µg/L			
O-20	O-20	3/31/1997	0:00	Water	Manganese, Total	Total	200	µg/L			
O-20	O-20	6/3/1997	0:00	Water	Manganese, Total	Total	300	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-20	O-20	9/10/1997	0:00	Water	Manganese, Total	Total	450	µg/L			
O-20	O-20	2/17/1998	0:00	Water	Manganese, Total	Total	180	µg/L			
O-20	O-20	3/26/1998	0:00	Water	Manganese, Total	Total	120	µg/L			
O-20	O-20	9/27/1990	0:00	Water	Manganese, Total	Total	417	µg/L			
O-20	O-20	12/12/1990	0:00	Water	Manganese, Total	Total	155	µg/L			
O-20	O-20	8/13/1992	0:00	Water	Manganese, Total	Total	220	µg/L			
O-20	O-20	1/31/1994	0:00	Water	Manganese, Total	Total	71	µg/L			
O-20	O-20	3/30/1994	0:00	Water	Manganese, Total	Total	280	µg/L			
O-20	O-20	6/2/1994	0:00	Water	Manganese, Total	Total	290	µg/L			
O-20	O-20	7/13/1994	0:00	Water	Manganese, Total	Total	250	µg/L			
O-20	O-20	9/28/1994	0:00	Water	Manganese, Total	Total	270	µg/L			
O-20	O-20	1/13/1997	0:00	Water	Manganese, Total	Total	97	µg/L			
O-20	O-20	5/11/1998	0:00	Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	10/29/1990	0:00	Water	Manganese, Total	Total	174	µg/L			
O-20	O-20	6/18/1991	0:00	Water	Manganese, Total	Total	790	µg/L			
O-20	O-20	11/2/1992	0:00	Water	Manganese, Total	Total	750	µg/L			
O-20	O-20	2/24/1993	0:00	Water	Manganese, Total	Total	110	µg/L			
O-20	O-20	11/13/1996	0:00	Water	Manganese, Total	Total	320	µg/L			
O-20	O-20	7/7/1997	0:00	Water	Manganese, Total	Total	240	µg/L			
O-20	O-20	10/7/1998	0:00	Water	Manganese, Total	Total	230	µg/L			
O-30	O-30	4/1/1991	0:00	Water	Manganese, Total	Total	121	µg/L			
O-30	O-30	6/18/1991	0:00	Water	Manganese, Total	Total	360	µg/L			
O-30	O-30	8/1/1991	0:00	Water	Manganese, Total	Total	554	µg/L			
O-30	O-30	1/14/1993	0:00	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	4/27/1993	0:00	Water	Manganese, Total	Total	76	µg/L			
O-30	O-30	6/23/1993	0:00	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	3/30/1994	0:00	Water	Manganese, Total	Total	290	µg/L			
O-30	O-30	6/2/1994	0:00	Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	7/21/1995	0:00	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	9/10/1997	0:00	Water	Manganese, Total	Total	390	µg/L			
O-30	O-30	11/12/1997	0:00	Water	Manganese, Total	Total	68	µg/L			
O-30	O-30	1/15/1998	0:00	Water	Manganese, Total	Total	170	µg/L			
O-30	O-30	9/12/1990	0:00	Water	Manganese, Total	Total	135	µg/L			
O-30	O-30	11/12/1991	0:00	Water	Manganese, Total	Total	220	µg/L			
O-30	O-30	12/17/1991	0:00	Water	Manganese, Total	Total	470	µg/L			
O-30	O-30	4/29/1992	0:00	Water	Manganese, Total	Total	240	µg/L			
O-30	O-30	9/15/1992	0:00	Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	10/6/1993	0:00	Water	Manganese, Total	Total	220	µg/L			
O-30	O-30	1/31/1994	0:00	Water	Manganese, Total	Total	170	µg/L			
O-30	O-30	2/28/1994	0:00	Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	5/15/1995	0:00	Water	Manganese, Total	Total	123	µg/L			
O-30	O-30	6/14/1995	0:00	Water	Manganese, Total	Total	250	µg/L			
O-30	O-30	1/24/1996	0:00	Water	Manganese, Total	Total	430	µg/L			
O-30	O-30	2/20/1996	0:00	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	2/19/1997	0:00	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	8/12/1997	0:00	Water	Manganese, Total	Total	320	µg/L			
O-30	O-30	6/8/1998	0:00	Water	Manganese, Total	Total	170	µg/L			
O-30	O-30	6/6/1990	0:00	Water	Manganese, Total	Total	284	µg/L			
O-30	O-30	10/23/1990	0:00	Water	Manganese, Total	Total	155	µg/L			
O-30	O-30	2/24/1993	0:00	Water	Manganese, Total	Total	210	µg/L			
O-30	O-30	8/9/1993	0:00	Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	9/5/1995	0:00	Water	Manganese, Total	Total	190	µg/L			
O-30	O-30	2/1/1990	0:00	Water	Manganese, Total	Total	119	µg/L			
O-30	O-30	9/20/1993	0:00	Water	Manganese, Total	Total	280	µg/L			
O-30	O-30	2/16/1995	0:00	Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	3/27/1996	0:00	Water	Manganese, Total	Total	310	µg/L			
O-30	O-30	11/13/1996	0:00	Water	Manganese, Total	Total	230	µg/L			
O-30	O-30	3/26/1998	0:00	Water	Manganese, Total	Total	270	µg/L			
O-30	O-30	5/11/1998	0:00	Water	Manganese, Total	Total	240	µg/L			
O-30	O-30	12/10/1990	0:00	Water	Manganese, Total	Total	137	µg/L			
O-30	O-30	1/14/1991	0:00	Water	Manganese, Total	Total	187	µg/L			
O-30	O-30	2/18/1992	0:00	Water	Manganese, Total	Total	373	µg/L			
O-30	O-30	6/11/1992	0:00	Water	Manganese, Total	Total	270	µg/L			
O-30	O-30	5/24/1993	0:00	Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	9/28/1994	0:00	Water	Manganese, Total	Total	72	µg/L			
O-30	O-30	6/3/1996	0:00	Water	Manganese, Total	Total	82	µg/L			
O-30	O-30	8/26/1996	0:00	Water	Manganese, Total	Total	98	µg/L			
O-30	O-30	7/7/1997	0:00	Water	Manganese, Total	Total	370	µg/L			
O-30	O-30	2/17/1998	0:00	Water	Manganese, Total	Total	270	µg/L			
O-30	O-30	11/2/1992	0:00	Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	12/3/1992	0:00	Water	Manganese, Total	Total	130	µg/L			
O-30	O-30	11/7/1995	0:00	Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	7/15/1996	0:00	Water	Manganese, Total	Total	130	µg/L			
O-30	O-30	10/16/1996	0:00	Water	Manganese, Total	Total	100	µg/L			
O-30	O-30	3/31/1997	0:00	Water	Manganese, Total	Total	260	µg/L			
O-30	O-30	6/3/1997	0:00	Water	Manganese, Total	Total	640	µg/L			
O-30	O-30	1/4/1990	0:00	Water	Manganese, Total	Total	209	µg/L			
O-30	O-30	7/17/1990	0:00	Water	Manganese, Total	Total	182	µg/L			
O-30	O-30	2/27/1991	0:00	Water	Manganese, Total	Total	153	µg/L			
O-30	O-30	5/15/1991	0:00	Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	9/24/1991	0:00	Water	Manganese, Total	Total	201	µg/L			
O-30	O-30	1/13/1992	0:00	Water	Manganese, Total	Total	300	µg/L			
O-30	O-30	3/30/1992	0:00	Water	Manganese, Total	Total	390	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	8/13/1992	0:00	Water	Manganese, Total	Total	190	µg/L			
O-30	O-30	5/18/1994	0:00	Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	7/13/1994	0:00	Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	11/9/1994	0:00	Water	Manganese, Total	Total	270	µg/L			
O-30	O-30	12/14/1994	0:00	Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	4/24/1996	0:00	Water	Manganese, Total	Total	760	µg/L			
O-30	O-30	7/15/1998	0:00	Water	Manganese, Total	Total	210	µg/L			
O-30	O-30	10/7/1998	0:00	Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	3/19/1990	0:00	Water	Manganese, Total	Total	119	µg/L			
O-30	O-30	4/25/1990	0:00	Water	Manganese, Total	Total	156	µg/L			
O-30	O-30	11/23/1993	0:00	Water	Manganese, Total	Total	250	µg/L			
O-30	O-30	1/18/1995	0:00	Water	Manganese, Total	Total	310	µg/L			
O-30	O-30	3/22/1995	0:00	Water	Manganese, Total	Total	220	µg/L			
O-30	O-30	12/13/1995	0:00	Water	Manganese, Total	Total	200	µg/L			
O-30	O-30	1/13/1997	0:00	Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	12/10/1997	0:00	Water	Manganese, Total	Total	83	µg/L			
O-30	O-30	8/24/1998	0:00	Water	Manganese, Total	Total	130	µg/L			
O-30	O-30	11/18/1998	0:00	Water	Manganese, Total	Total	180	µg/L			
O-20	O-20	11/9/2004	9:30	Water	Manganese, Total	Total	200	µg/L			
O-20	O-20	3/7/2005	9:30	Water	Manganese, Total	Total	28	µg/L			
O-20	O-20	2/3/2005	9:30	Water	Manganese, Total	Total	49	µg/L			
O-20	O-20	1/3/2005	10:30	Water	Manganese, Total	Total	140	µg/L			
O-20	O-20	9/9/2004	9:00	Water	Manganese, Total	Total	340	µg/L			
O-20	O-20	8/12/2004	10:00	Water	Manganese, Total	Total	590	µg/L			
O-20	O-20	6/23/2004	9:30	Water	Manganese, Total	Total	260	µg/L			
O-20	O-20	11/14/2005	9:00	Water	Manganese, Total	Total	530	µg/L			
O-20	O-20	9/20/2005	12:30	Water	Manganese, Total	Total	580	µg/L			
O-20	O-20	6/29/2005	9:30	Water	Manganese, Total	Total	420	µg/L			
O-20	O-20	5/13/2005	10:00	Water	Manganese, Total	Total	570	µg/L			
O-20	O-20	4/5/2005	15:30	Water	Manganese, Total	Total	120	µg/L			
O-20	O-20	8/31/2005	14:00	Water	Manganese, Total	Total	330	µg/L			
O-20	O-20	10/12/2005	11:55	Water	Manganese, Total	Total	480	µg/L			
O-20	O-20	4/19/2004	8:30	Water	Manganese, Total	Total	220	µg/L			
O-20	O-20	5/26/2004	9:00	Water	Manganese, Total	Total	1200	µg/L			
O-20	O-20	2/26/2004	9:00	Water	Manganese, Total	Total	250	µg/L			
O-30	O-30	1/5/2005	13:30	Water	Manganese, Total	Total	890	µg/L			
O-30	O-30	2/1/2005	11:00	Water	Manganese, Total	Total	93	µg/L			
O-30	O-30	3/10/2005	11:30	Water	Manganese, Total	Total	85	µg/L			
O-30	O-30	11/15/2004	12:00	Water	Manganese, Total	Total	190	µg/L			
O-30	O-30	9/9/2004	11:30	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	8/12/2004	12:00	Water	Manganese, Total	Total	240	µg/L			
O-30	O-30	4/6/2005	14:00	Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	12/1/2005	10:00	Water	Manganese, Total	Total	360	µg/L			
O-30	O-30	10/12/2005	10:00	Water	Manganese, Total	Total	340	µg/L			
O-30	O-30	9/21/2005	12:00	Water	Manganese, Total	Total	190	µg/L			
O-30	O-30	8/15/2005	11:00	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	6/22/2005	10:05	Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	5/20/2005	10:45	Water	Manganese, Total	Total	280	µg/L			
O-30	O-30	6/23/2004	11:30	Water	Manganese, Total	Total	190	µg/L			
O-30	O-30	5/26/2004	11:00	Water	Manganese, Total	Total	340	µg/L			
O-30	O-30	2/26/2004	13:00	Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	4/19/2004	11:00	Water	Manganese, Total	Total	190	µg/L			
OC-04	OC-04	3/7/2005	13:00	Water	Manganese, Total	Total	200	µg/L			
OC-04	OC-04	2/3/2005	13:00	Water	Manganese, Total	Total	240	µg/L			
OC-04	OC-04	1/3/2005	13:40	Water	Manganese, Total	Total	1700	µg/L			
OC-04	OC-04	4/6/2005	9:30	Water	Manganese, Total	Total	130	µg/L			
OC-04	OC-04	11/9/2004	12:30	Water	Manganese, Total	Total	88	µg/L			
OC-04	OC-04	9/1/2004	15:00	Water	Manganese, Total	Total	150	µg/L			
OC-04	OC-04	7/21/2004	14:45	Water	Manganese, Total	Total	160	µg/L			
OC-04	OC-04	8/31/2005	16:00	Water	Manganese, Total	Total	130	µg/L			
OC-04	OC-04	11/5/2005	10:30	Water	Manganese, Total	Total	130	µg/L			
OC-04	OC-04	10/24/2005	13:30	Water	Manganese, Total	Total	82	µg/L			
OC-04	OC-04	9/20/2005	15:00	Water	Manganese, Total	Total	570	µg/L			
OC-04	OC-04	6/29/2005	12:00	Water	Manganese, Total	Total	130	µg/L			
OC-04	OC-04	5/13/2005	12:45	Water	Manganese, Total	Total	260	µg/L			
OC-04	OC-04	6/10/2004	9:15	Water	Manganese, Total	Total	260	µg/L			
OC-04	OC-04	3/24/2004	3:30	Water	Manganese, Total	Total	170	µg/L			
OC-04	OC-04	2/26/2004	9:00	Water	Manganese, Total	Total	190	µg/L			
OC-04	OC-04	5/6/2004	9:30	Water	Manganese, Total	Total	150	µg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	Manganese, Total	Total	76	µg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	Manganese, Total	Total	46	µg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	Manganese, Total	Total	140	µg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	Manganese, Total	Total	200	µg/L			
OCF	OCF-FB-A1	2-Aug-96	840	Water	Manganese, Total	Total	1100	µg/L			
SOC-2	SOC-2	06/30/2003	13:35	Water	Manganese, Total	Total	48	ug/l			
SOC-2	SOC-2	08/21/2003	13:50	Water	Manganese, Total	Total	400	ug/l			
SOC-2	SOC-2	10/16/2003	13:00	Water	Manganese, Total	Total	210	ug/l			
SOC-2	SOC-2	07/22/2003	13:50	Water	Manganese, Total	Total	290	ug/l			
SOC-2	SOC-2	05/06/2003	13:45	Water	Manganese, Total	Total	110	ug/l			
SLM	SOL-1	4/24/2006	14:50	Water	Manganese, Total	Total	150	ug/l			
SLM	SOL-1	6/28/2006	13:25	Water	Manganese, Total	Total	200	ug/l			
SLM	SOL-1	7/12/2006	14:25	Water	Manganese, Total	Total	240	ug/l			
SLM	SOL-1	8/31/2006	15:00	Water	Manganese, Total	Total	320	ug/l			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
SLM	SOL-1	10/26/2006	14:50	Water	Manganese, Total	Total	260	ug/l			
SLM	SOL-1	10/15/2003	12:30	Water	Manganese, Total	Total	150	ug/l	150		
SLM	SOL-1	8/19/2003	13:45	Water	Manganese, Total	Total	320	ug/l	320		
SLM	SOL-1	7/21/2003	13:05	Water	Manganese, Total	Total	120	ug/l	120		
SLM	SOL-1	6/17/2003	14:15	Water	Manganese, Total	Total	94	ug/l	94		
SLM	SOL-1	5/12/2003	13:00	Water	Manganese, Total	Total	240	ug/l	240		
O-20	O-20	4/17/2003	8:00	Water	Manganese, Total	Total	720	µg/L			
O-20	O-20	8/11/2003	9:30	Water	Manganese, Total	Total	240	µg/L			
O-20	O-20	6/12/2003	10:00	Water	Manganese, Total	Total	510	µg/L			
O-20	O-20	5/12/2003	11:00	Water	Manganese, Total	Total	340	µg/L			
O-20	O-20	2/13/2003	10:00	Water	Manganese, Total	Total	450	µg/L			
O-20	O-20	1/22/2003	9:00	Water	Manganese, Total	Total	380	µg/L			
O-20	O-20	12/10/2003	11:00	Water	Manganese, Total	Total	160	µg/L			
O-20	O-20	10/27/2003	9:30	Water	Manganese, Total	Total	580	µg/L			
O-20	O-20	1/21/2004	9:30	Water	Manganese, Total	Total	130	µg/L			
O-20	O-20	9/22/2003	10:30	Water	Manganese, Total	Total	420	µg/L			
O-30	O-30	4/25/2003	11:45	Water	Manganese, Total	Total	670	µg/L			
O-30	O-30	8/4/2003	10:00	Water	Manganese, Total	Total	92	µg/L			
O-30	O-30	6/18/2003	10:30	Water	Manganese, Total	Total	90	µg/L			
O-30	O-30	1/29/2003	11:45	Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	3/6/2003	11:00	Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	5/27/2003	10:00	Water	Manganese, Total	Total	190	µg/L			
O-30	O-30	9/4/2003	8:00	Water	Manganese, Total	Total	260	µg/L			
O-30	O-30	10/15/2003	11:00	Water	Manganese, Total	Total	110	µg/L			
O-30	O-30	12/10/2003	11:00	Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	1/21/2004	12:00	Water	Manganese, Total	Total	190	µg/L			
OC-04	OC-04	10/22/2003	14:00	Water	Manganese, Total	Total	110	µg/L			
OC-04	OC-04	4/17/2003	12:00	Water	Manganese, Total	Total	390	µg/L			
OC-04	OC-04	7/31/2003	12:00	Water	Manganese, Total	Total	120	µg/L			
OC-04	OC-04	6/18/2003	14:15	Water	Manganese, Total	Total	200	µg/L			
OC-04	OC-04	2/13/2003	14:00	Water	Manganese, Total	Total	140	µg/L			
OC-04	OC-04	1/22/2003	13:00	Water	Manganese, Total	Total	150	µg/L			
OC-04	OC-04	5/15/2003	11:30	Water	Manganese, Total	Total	270	µg/L			
OC-04	OC-04	9/11/2003	11:15	Water	Manganese, Total	Total	150	µg/L			
OC-04	OC-04	1/7/2004	15:15	Water	Manganese, Total	Total	220	µg/L			
OC-04	OC-04	11/20/2003	11:00	Water	Manganese, Total	Total	380	µg/L			
OE-02	OE-04	6/24/2002		Water	Manganese, Total	Total	760	µg/L			
O-03	O-03	9/12/2002		Water	Manganese, Total	Total	210	µg/L			
O-03	O-03	6/24/2002		Water	Manganese, Total	Total	230	µg/L			
O-03	O-03	8/28/2002		Water	Manganese, Total	Total	220	µg/L			
O-97	O-04	7/9/2002		Water	Manganese, Total	Total	200	µg/L			
O-97	O-04	6/24/2002		Water	Manganese, Total	Total	210	µg/L			
O-97	O-04	8/28/2002		Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	10/29/2002	11:00	Water	Manganese, Total	Total	250	µg/L			
O-20	O-20	11/26/2002	13:00	Water	Manganese, Total	Total	310	µg/L			
O-20	O-20	2/1/2000		Water	Manganese, Total	Total	210	µg/L			
O-20	O-20	1/27/1999		Water	Manganese, Total	Total	81	µg/L			
O-20	O-20	7/27/2000		Water	Manganese, Total	Total	180	µg/L			
O-20	O-20	3/21/2001		Water	Manganese, Total	Total	140	µg/L			
O-20	O-20	8/29/2002		Water	Manganese, Total	Total	150	µg/L			
O-20	O-20	5/11/1999		Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	1/8/2002		Water	Manganese, Total	Total	110	µg/L			
O-20	O-20	8/21/2001		Water	Manganese, Total	Total	460	µg/L			
O-20	O-20	3/27/2002		Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	1/24/2001		Water	Manganese, Total	Total	110	µg/L			
O-20	O-20	2/13/2002		Water	Manganese, Total	Total	120	µg/L			
O-20	O-20	12/6/2000		Water	Manganese, Total	Total	72	µg/L			
O-20	O-20	5/1/2002		Water	Manganese, Total	Total	120	µg/L			
O-20	O-20	2/13/2001		Water	Manganese, Total	Total	120	µg/L			
O-20	O-20	3/9/2000		Water	Manganese, Total	Total	220	µg/L			
O-20	O-20	7/22/2002		Water	Manganese, Total	Total	180	µg/L			
O-20	O-20	4/20/2000		Water	Manganese, Total	Total	380	µg/L			
O-20	O-20	6/15/2000		Water	Manganese, Total	Total	320	µg/L			
O-20	O-20	11/14/2001		Water	Manganese, Total	Total	180	µg/L			
O-20	O-20	6/19/2002		Water	Manganese, Total	Total	150	µg/L			
O-20	O-20	9/25/2000		Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	12/13/1999		Water	Manganese, Total	Total	250	µg/L			
O-20	O-20	6/4/2001		Water	Manganese, Total	Total	190	µg/L			
O-20	O-20	7/17/2001		Water	Manganese, Total	Total	250	µg/L			
O-20	O-20	4/7/1999		Water	Manganese, Total	Total	160	µg/L			
O-20	O-20	6/16/1999		Water	Manganese, Total	Total	310	µg/L			
O-20	O-20	10/9/2001		Water	Manganese, Total	Total	520	µg/L			
O-20	O-20	11/2/1999		Water	Manganese, Total	Total	780	µg/L			
O-20	O-20	11/2/2000		Water	Manganese, Total	Total	62	µg/L			
O-20	O-20	5/18/2000		Water	Manganese, Total	Total	290	µg/L			
O-20	O-20	2/16/1999		Water	Manganese, Total	Total	100	µg/L			
O-20	O-20	9/20/1999		Water	Manganese, Total	Total	110	µg/L			
O-20	O-20	5/2/2001		Water	Manganese, Total	Total	240	µg/L			
O-30	O-30	10/29/2002	9:00	Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	12/19/2002	7:00	Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	12/6/2000		Water	Manganese, Total	Total	85	µg/L			
O-30	O-30	11/2/2000		Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	2/1/2000		Water	Manganese, Total	Total	230	µg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	4/20/2000		Water	Manganese, Total	Total	460	µg/L			
O-30	O-30	8/6/1999		Water	Manganese, Total	Total	200	µg/L			
O-30	O-30	9/25/2000		Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	6/15/2000		Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	5/18/2000		Water	Manganese, Total	Total	480	µg/L			
O-30	O-30	11/14/2001		Water	Manganese, Total	Total	240	µg/L			
O-30	O-30	11/2/1999		Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	9/20/1999		Water	Manganese, Total	Total	180	µg/L			
O-30	O-30	6/16/1999		Water	Manganese, Total	Total	230	µg/L			
O-30	O-30	7/17/2001		Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	10/9/2001		Water	Manganese, Total	Total	150	µg/L			
O-30	O-30	8/21/2001		Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	6/4/2001		Water	Manganese, Total	Total	680	µg/L			
O-30	O-30	1/24/2001		Water	Manganese, Total	Total	100	µg/L			
O-30	O-30	2/13/2002		Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	3/9/2000		Water	Manganese, Total	Total	320	µg/L			
O-30	O-30	2/13/2001		Water	Manganese, Total	Total	300	µg/L			
O-30	O-30	7/27/2000		Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	3/21/2001		Water	Manganese, Total	Total	110	µg/L			
O-30	O-30	1/8/2002		Water	Manganese, Total	Total	110	µg/L			
O-30	O-30	5/11/1999		Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	1/27/1999		Water	Manganese, Total	Total	500	µg/L			
O-30	O-30	7/22/2002		Water	Manganese, Total	Total	110	µg/L			
O-30	O-30	4/7/1999		Water	Manganese, Total	Total	160	µg/L			
O-30	O-30	2/16/1999		Water	Manganese, Total	Total	140	µg/L			
O-30	O-30	12/13/1999		Water	Manganese, Total	Total	690	µg/L			
O-30	O-30	3/27/2002		Water	Manganese, Total	Total	300	µg/L			
O-30	O-30	6/19/2002		Water	Manganese, Total	Total	90	µg/L			
O-30	O-30	5/1/2002		Water	Manganese, Total	Total	120	µg/L			
O-30	O-30	8/29/2002		Water	Manganese, Total	Total	100	µg/L			
OC-04	OC-04	11/26/2002	10:00	Water	Manganese, Total	Total	87	µg/L			
OC-04	OC-04	10/3/2002	10:00	Water	Manganese, Total	Total	120	µg/L			
OE-02	OE-05	7/8/2002		Water	Manganese, Total	Total	2800	µg/L			
OE-02	OE-05	8/27/2002		Water	Manganese, Total	Total	3600	µg/L			
ROV-1	ROV-1	8/23/1999	13:45	Water	Manganese, Total	Total	510	µg/L			
ROV-1	ROV-1	6/8/1999	14:14	Water	Manganese, Total	Total	630	µg/L			
ROV-1	ROV-1	4/30/1999	13:10	Water	Manganese, Total	Total	400	µg/L			
ROV-1	ROV-1	10/13/1999	14:00	Water	Manganese, Total	Total	470	µg/L			
OC-95	OC-SW-A1	8-Aug-96	745	Water	NH3+NH4		0.12	mg/L			
OC-95	OC-SW-E1	8-Aug-96	800	Water	NH3+NH4		0.55	mg/L			
OC-95	OC-SW-C1	8-Aug-96	815	Water	NH3+NH4		0.72	mg/L			
OC-95	OC-SW-C2	8-Aug-96	840	Water	NH3+NH4		0.57	mg/L			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	NH3+NH4		0.24	mg/L			
OC-95	OC-SW-C5	8-Aug-96	920	Water	NH3+NH4		0.01	mg/L			
OCF	OCF-FB-A1	2-Aug-96	840	Water	NH3+NH4		0.01	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	NH3+NH4		0.83	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	NH3+NH4		1.2	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	NH3+NH4		2.1	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	NH3+NH4		0.09	mg/L			
OC-95	OC-BV-A2	8-Aug-96	945	Water	NH3+NH4		0.01	mg/L			
OC-04		10/4/2007	11:00:00	Water	Nickel	Dissolved	11.2	ug/l			
OC-04		10/4/2007	11:00:00	Water	Nickel	Total	12.1	ug/l			
OC-04		7/16/2008	9:40:00	Water	Nickel	Dissolved	5.57	ug/l			
OC-04		7/16/2008	9:40:00	Water	Nickel	Total	6.46	ug/l			
OC-04		8/19/2008	11:00:00	Water	Nickel	Dissolved	6.07	ug/l			
OC-04		8/19/2008	11:00:00	Water	Nickel	Total	6.52	ug/l			
OC-04		9/29/2008	10:00:00	Water	Nickel	Dissolved	4.82	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Nickel	Total	5.42	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Nickel	Total	9.62	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Nickel	Total	2.95	ug/l	J		
OCF-96		9/8/2008	8:00:00	Water	Nickel	Total	4.13	ug/l	J		
OCF-96		9/15/2008	9:00:00	Water	Nickel	Total	3.84	ug/l	J		
O-30	O 30	4-Jan-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.41	mg/L			
O-30	O 30	1-Feb-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1	mg/L			
O-30	O 30	19-Mar-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.6	mg/L			
O-30	O 30	25-Apr-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.67	mg/L			
O-30	O 30	6-Jun-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.49	mg/L			
O-30	O 30	17-Jul-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1	mg/L			
O-30	O 30	12-Sep-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.39	mg/L			
O-30	O 30	23-Oct-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.6	mg/L			
O-30	O 30	10-Dec-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.47	mg/L			
O-30	O 30	14-Jan-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.1	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	27-Feb-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.5	mg/L			
O-30	O 30	1-Apr-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.3	mg/L			
O-30	O 30	15-May-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.2	mg/L			
O-30	O 30	18-Jun-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.93	mg/L			
O-30	O 30	1-Aug-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.5	mg/L			
O-30	O 30	24-Sep-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.6	mg/L			
O-30	O 30	12-Nov-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.7	mg/L			
O-30	O 30	17-Dec-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.1	mg/L			
O-30	O 30	13-Jan-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.6	mg/L			
O-30	O 30	18-Feb-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.8	mg/L			
O-30	O 30	30-Mar-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.2	mg/L			
O-30	O 30	29-Apr-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.63	mg/L			
O-30	O 30	11-Jun-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.9	mg/L			
O-30	O 30	13-Aug-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.216	mg/L			
O-30	O 30	15-Sep-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.213	mg/L			
O-30	O 30	2-Nov-92	700	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
O-30	O 30	3-Dec-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.38	mg/L			
O-30	O 30	14-Jan-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.5	mg/L			
O-30	O 30	24-Feb-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.7	mg/L			
O-30	O 30	27-Apr-93	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.2	mg/L			
O-30	O 30	24-May-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.1	mg/L			
O-30	O 30	23-Jun-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.1	mg/L			
O-30	O 30	9-Aug-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.2	mg/L			
O-30	O 30	20-Sep-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.41	mg/L			
O-30	O 30	6-Oct-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.28	mg/L			
O-30	O 30	23-Nov-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.53	mg/L			
O-30	O 30	31-Jan-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.76	mg/L			
O-30	O 30	28-Feb-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.5	mg/L			
O-30	O 30	30-Mar-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.25	mg/L			
O-30	O 30	18-May-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.36	mg/L			
O-30	O 30	2-Jun-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.38	mg/L			
O-30	O 30	13-Jul-94	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.86	mg/L			
O-30	O 30	28-Sep-94	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.14	mg/L			
O-30	O 30	9-Nov-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.66	mg/L			
O-30	O 30	14-Dec-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.27	mg/L			
O-30	O 30	18-Jan-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.83	mg/L			
O-30	O 30	16-Feb-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.1	mg/L			
O-30	O 30	22-Mar-95	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.69	mg/L			
O-30	O 30	15-May-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.3	mg/L			
O-30	O 30	14-Jun-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.41	mg/L			
O-30	O 30	21-Jul-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.27	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	5-Sep-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.09	mg/L			
O-30	O 30	7-Nov-95	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.16	mg/L			
O-30	O 30	13-Dec-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.51	mg/L			
O-30	O 30	24-Jan-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.12	mg/L			
O-30	O 30	20-Feb-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.2	mg/L			
O-30	O 30	27-Mar-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.92	mg/L			
O-30	O 30	24-Apr-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.27	mg/L			
O-30	O 30	3-Jun-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.72	mg/L			
O-30	O 30	15-Jul-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.71	mg/L			
O-30	O 30	26-Aug-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.81	mg/L			
O-30	O 30	16-Oct-96	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.71	mg/L			
O-30	O 30	13-Nov-96	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.27	mg/L			
O-30	O 30	13-Jan-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.76	mg/L			
O-30	O 30	19-Feb-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.02	mg/L			
O-30	O 30	31-Mar-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.89	mg/L			
O-30	O 30	3-Jun-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.9	mg/L			
O-30	O 30	7-Jul-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.78	mg/L			
O-30	O 30	12-Aug-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.51	mg/L			
O-30	O 30	10-Sep-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.63	mg/L			
O-30	O 30	12-Nov-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.3	mg/L			
O-30	O 30	10-Dec-97	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.06	mg/L			
O-30	O 30	15-Jan-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.41	mg/L			
O-30	O 30	17-Feb-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.56	mg/L			
O-30	O 30	26-Mar-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.2	mg/L			
O-30	O 30	11-May-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.02	mg/L			
O-30	O 30	8-Jun-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.71	mg/L			
O-30	O 30	15-Jul-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.06	mg/L			
O-30	O 30	24-Aug-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.66	mg/L			
O-30	O 30	7-Oct-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.97	mg/L			
O-30	O 30	18-Nov-98	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.07	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.2	mg/L			
OB-03	OB 03	15-Nov-96	1200	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.51	mg/L			
OC-04	OC 04	29-Jan-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		11	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.3	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.2	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.2	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		8.4	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		13	mg/L			
OC-04	OC 04	1-Oct-90	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		14	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		11	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.9	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	5-Mar-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.5	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.2	mg/L			
OC-04	OC 04	22-May-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.6	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.7	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		11	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.9	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.7	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.6	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.9	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.3	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.5	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		12	mg/L			
OC-04	OC 04	21-Jul-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.8	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		14	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		13	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		7.3	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.4	mg/L			
OC-04	OC 04	3-Feb-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.6	mg/L			
OC-04	OC 04	6-Apr-93	1200	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.8	mg/L			
OC-04	OC 04	4-May-93	1200	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.98	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.5	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.7	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		8.2	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.1	mg/L			
OC-04	OC 04	17-Nov-93	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.85	mg/L			
OC-04	OC 04	4-Jan-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4	mg/L			
OC-04	OC 04	7-Feb-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.7	mg/L			
OC-04	OC 04	24-Mar-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.9	mg/L			
OC-04	OC 04	26-Apr-94	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.9	mg/L			
OC-04	OC 04	26-May-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.2	mg/L			
OC-04	OC 04	29-Jun-94	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.4	mg/L			
OC-04	OC 04	14-Sep-94	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		12.6	mg/L			
OC-04	OC 04	20-Oct-94	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.7	mg/L			
OC-04	OC 04	21-Nov-94	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.02	mg/L			
OC-04	OC 04	19-Jan-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.44	mg/L			
OC-04	OC 04	1-Mar-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4	mg/L			
OC-04	OC 04	4-Apr-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.1	mg/L			
OC-04	OC 04	16-May-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.1	mg/L			
OC-04	OC 04	11-Jul-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.8	mg/L			
OC-04	OC 04	23-Aug-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		11.1	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	18-Sep-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		14.7	mg/L			
OC-04	OC 04	2-Nov-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		12.6	mg/L			
OC-04	OC 04	4-Dec-95	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		15.3	mg/L			
OC-04	OC 04	16-Jan-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.1	mg/L			
OC-04	OC 04	7-Feb-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10	mg/L			
OC-04	OC 04	2-Apr-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.8	mg/L			
OC-04	OC 04	8-May-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3	mg/L			
OC-04	OC 04	27-Jun-96	1300	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		7.7	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		9.4	mg/L			
OC-04	OC 04	19-Aug-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.9	mg/L			
OC-04	OC 04	24-Oct-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.2	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		9.7	mg/L			
OC-04	OC 04	7-Jan-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.9	mg/L			
OC-04	OC 04	10-Feb-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.8	mg/L			
OC-04	OC 04	27-Mar-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3.6	mg/L			
OC-04	OC 04	7-May-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.4	mg/L			
OC-04	OC 04	5-Jun-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		7.3	mg/L			
OC-04	OC 04	15-Jul-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		7.8	mg/L			
OC-04	OC 04	20-Aug-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.51	mg/L			
OC-04	OC 04	6-Oct-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		13.4	mg/L			
OC-04	OC 04	13-Nov-97	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		8.6	mg/L			
OC-04	OC 04	6-Jan-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		2.2	mg/L			
OC-04	OC 04	9-Feb-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.1	mg/L			
OC-04	OC 04	23-Mar-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		3	mg/L			
OC-04	OC 04	28-Apr-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.71	mg/L			
OC-04	OC 04	25-Jun-98	1200	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		4.12	mg/L			
OC-04	OC 04	19-Aug-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.14	mg/L			
OC-04	OC 04	23-Sep-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		7.35	mg/L			
OC-04	OC 04	28-Oct-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10.44	mg/L			
OC-04	OC 04	9-Dec-98	1000	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		6.2	mg/L			
OC-95	OC-SW-A1	8-Aug-96	745	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.19	mg/L			
OC-95	OC-SW-E1	8-Aug-96	800	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.5	mg/L			
OC-95	OC-SW-C1	8-Aug-96	815	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.2	mg/L			
OC-95	OC-SW-C2	8-Aug-96	840	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		5.8	mg/L			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		7.3	mg/L			
OC-95	OC-SW-C5	8-Aug-96	920	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10	mg/L			
OCF	OCF-FB-A1	2-Aug-96	840	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.07	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		14.4	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		13.9	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		12.7	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		9.3	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OE-02	OE 04	10-Jul-96	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
OE-02	OE 04	12-Nov-96	1130	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		1.11	mg/L			
ROV	ROV-1	15-May-90	1200	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.16	mg/L			
ROV	ROV-3	15-May-90	1200	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.19	mg/L			
ROV	ROV-1	25-Jun-90	1217	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.07	mg/L			
ROV	ROV-3	25-Jun-90	1205	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.06	mg/L			
ROV	ROV-1	18-Jul-90	1400	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.22	mg/L			
ROV	ROV-3	18-Jul-90	1400	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.22	mg/L			
ROV	ROV-1	25-Jul-90	1100	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.24	mg/L			
ROV	ROV-3	25-Jul-90	1120	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.24	mg/L			
ROV	ROV-1	22-Aug-90	1400	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.03	mg/L			
ROV	ROV-3	22-Aug-90	1430	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.03	mg/L			
ROV	ROV-1	24-Oct-90	1300	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.03	mg/L			
ROV	ROV-3	24-Oct-90	1310	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
ROV	ROV-1	10-Jun-92	1315	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.32	mg/L			
ROV	ROV-3	10-Jun-92	1300	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.34	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
ROV	ROV-1	4-Aug-92	900	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
ROV	ROV-1	26-May-93	1300	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.16	mg/L			
ROV	ROV-3	26-May-93	1305	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.17	mg/L			
ROV	ROV-1	28-Jun-93	805	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
ROV	ROV-3	28-Jun-93	809	Water	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		0.01	mg/L	K		
OC-95	OC-SW-A1	8-Aug-96	745	Water	Nitrogen Ammonia unionized		0.001	mg/L			
OC-95	OC-SW-E1	8-Aug-96	800	Water	Nitrogen Ammonia unionized		0.024	mg/L			
OC-95	OC-SW-C1	8-Aug-96	815	Water	Nitrogen Ammonia unionized		0.02	mg/L			
OC-95	OC-SW-C2	8-Aug-96	840	Water	Nitrogen Ammonia unionized		0.013	mg/L			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	Nitrogen Ammonia unionized		0.007	mg/L			
OC-95	OC-SW-C5	8-Aug-96	920	Water	Nitrogen Ammonia unionized		0.001	mg/L			
OCF	OCF-FB-A1	2-Aug-96	840	Water	Nitrogen Ammonia unionized		0.001	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	Nitrogen Ammonia unionized		0.005	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	Nitrogen Ammonia unionized		0.008	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	Nitrogen Ammonia unionized		0.026	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	Nitrogen Ammonia unionized		0.001	mg/L			
OC-95	OC-BV-A2	8-Aug-96	945	Water	Nitrogen Ammonia unionized		0.001	mg/L			
O-30	O 30	27-Jan-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.32	mg/L			
O-30	O 30	16-Feb-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.53	mg/L			
O-30	O 30	7-Apr-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.49	mg/L			
O-30	O 30	11-May-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.2	mg/L			
O-30	O 30	16-Jun-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.24	mg/L			
O-30	O 30	6-Aug-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.25	mg/L			
O-30	O 30	20-Sep-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.26	mg/L			
O-30	O 30	2-Nov-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		1.3	mg/L			
O-30	O 30	13-Dec-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.33	mg/L			
O-30	O 30	1-Feb-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.05	mg/L			
O-30	O 30	9-Mar-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.3	mg/L			
O-30	O 30	20-Apr-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.04	mg/L			
O-30	O 30	18-May-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.46	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	15-Jun-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.03	mg/L			
O-30	O 30	27-Jul-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.03	mg/L			
O-30	O 30	25-Sep-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	2-Nov-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.06	mg/L			
O-30	O 30	6-Dec-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	24-Jan-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	13-Feb-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.27	mg/L			
O-30	O 30	21-Mar-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.18	mg/L			
O-30	O 30	4-Jun-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	17-Jul-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.1	mg/L			
O-30	O 30	21-Aug-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.05	mg/L			
O-30	O 30	9-Oct-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	14-Nov-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	8-Jan-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	13-Feb-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	27-Mar-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.19	mg/L			
O-30	O 30	1-May-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.08	mg/L			
O-30	O 30	19-Jun-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.02	mg/L			
O-30	O 30	22-Jul-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
O-30	O 30	29-Aug-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
OB-03	OB 03	19-Jun-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		3.2	mg/L			
OB-03	OB 03	9-Jul-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.1	mg/L			
OB-03	OB 03	27-Aug-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.07	mg/L			
OC-04	OC 04	1-Feb-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.3	mg/L			
OC-04	OC 04	3-Mar-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		1.2	mg/L			
OC-04	OC 04	1-Apr-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.25	mg/L			
OC-04	OC 04	12-May-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.07	mg/L			
OC-04	OC 04	9-Jun-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.44	mg/L			
OC-04	OC 04	5-Aug-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.1	mg/L			
OC-04	OC 04	15-Sep-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.29	mg/L			
OC-04	OC 04	3-Nov-99		Water	NITROGEN, AMMONIA (NH3),Total mg/l		1.5	mg/L			
OC-04	OC 04	18-Jan-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.02	mg/L			
OC-04	OC 04	10-Feb-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.23	mg/L			
OC-04	OC 04	26-Apr-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.59	mg/L			
OC-04	OC 04	29-Jun-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.42	mg/L			
OC-04	OC 04	18-Jul-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.02	mg/L			
OC-04	OC 04	27-Sep-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.48	mg/L			
OC-04	OC 04	8-Nov-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.47	mg/L			
OC-04	OC 04	4-Dec-00		Water	NITROGEN, AMMONIA (NH3),Total mg/l		1	mg/L			
OC-04	OC 04	11-Jan-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.35	mg/L			
OC-04	OC 04	12-Mar-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.1	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	4-Apr-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.6	mg/L			
OC-04	OC 04	7-May-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.46	mg/L			
OC-04	OC 04	8-Aug-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.07	mg/L			
OC-04	OC 04	13-Sep-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.03	mg/L			
OC-04	OC 04	5-Nov-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.01	mg/L			
OC-04	OC 04	6-Dec-01		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.37	mg/L			
OC-04	OC 04	16-Jan-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.08	mg/L			
OC-04	OC 04	4-Mar-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		1.9	mg/L			
OC-04	OC 04	1-Apr-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.64	mg/L			
OC-04	OC 04	8-May-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.43	mg/L			
OC-04	OC 04	20-Jun-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		3	mg/L			
OC-04	OC 04	11-Jul-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.03	mg/L			
OC-04	OC 04	20-Aug-02		Water	NITROGEN, AMMONIA (NH3),Total mg/l		0.13	mg/L			
OC-04		7/16/2008	9:40:00	Water	Nitrogen, ammonia as N	Total	ND	mg/l	ND		
OC-04		8/19/2008	11:00:00	Water	Nitrogen, ammonia as N	Total	0.118	mg/l			
OC-04		9/29/2008	10:00:00	Water	Nitrogen, ammonia as N	Total	0.163	mg/l			
OC-95		7/22/2008	9:20:00	Water	Nitrogen, ammonia as N	Total	0.219	mg/l			
OC-95		7/29/2008	10:53:00	Water	Nitrogen, ammonia as N	Total	1.17	mg/l			
OC-95		9/8/2008	9:20:00	Water	Nitrogen, ammonia as N	Total	0.493	mg/l			
OC-95		9/15/2008	10:00:00	Water	Nitrogen, ammonia as N	Total	0.639	mg/l			
OCF-96		7/22/2008	8:10:00	Water	Nitrogen, ammonia as N	Total	0.07	mg/l	J		
OCF-96		7/29/2008	9:45:00	Water	Nitrogen, ammonia as N	Total	1.24	mg/l			
OCF-96		9/8/2008	8:00:00	Water	Nitrogen, ammonia as N	Total	0.225	mg/l			
OCF-96		9/15/2008	9:00:00	Water	Nitrogen, ammonia as N	Total	0.401	mg/l			
O-30	O 30	4-Jan-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
O-30	O 30	1-Feb-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.26	mg/L			
O-30	O 30	19-Mar-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.24	mg/L			
O-30	O 30	25-Apr-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
O-30	O 30	6-Jun-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.12	mg/L			
O-30	O 30	17-Jul-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.08	mg/L			
O-30	O 30	12-Sep-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.38	mg/L			
O-30	O 30	23-Oct-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.03	mg/L			
O-30	O 30	10-Dec-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.28	mg/L			
O-30	O 30	14-Jan-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.18	mg/L			
O-30	O 30	27-Feb-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.25	mg/L			
O-30	O 30	1-Apr-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
O-30	O 30	15-May-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.43	mg/L			
O-30	O 30	18-Jun-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
O-30	O 30	1-Aug-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.05	mg/L			
O-30	O 30	24-Sep-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	mg/L			
O-30	O 30	12-Nov-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.35	mg/L			
O-30	O 30	17-Dec-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.24	mg/L			
O-30	O 30	13-Jan-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.22	mg/L			
O-30	O 30	18-Feb-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.21	mg/L			
O-30	O 30	30-Mar-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.21	mg/L			
O-30	O 30	29-Apr-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.18	mg/L			
O-30	O 30	11-Jun-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.52	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	13-Aug-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.22	mg/L			
O-30	O 30	15-Sep-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.12	mg/L			
O-30	O 30	2-Nov-92	700	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.1	mg/L			
O-30	O 30	3-Dec-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.05	mg/L			
O-30	O 30	14-Jan-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.07	mg/L			
O-30	O 30	24-Feb-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.22	mg/L			
O-30	O 30	27-Apr-93	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	mg/L			
O-30	O 30	24-May-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.25	mg/L			
O-30	O 30	23-Jun-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
O-30	O 30	9-Aug-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	mg/L			
O-30	O 30	20-Sep-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.13	mg/L			
O-30	O 30	6-Oct-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.14	mg/L			
O-30	O 30	23-Nov-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.08	mg/L			
O-30	O 30	31-Jan-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.4	mg/L			
O-30	O 30	28-Feb-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	mg/L			
O-30	O 30	30-Mar-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.14	mg/L			
O-30	O 30	18-May-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	mg/L			
O-30	O 30	2-Jun-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	mg/L			
O-30	O 30	13-Jul-94	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.1	mg/L			
O-30	O 30	28-Sep-94	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.26	mg/L			
O-30	O 30	9-Nov-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
O-30	O 30	14-Dec-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
O-30	O 30	18-Jan-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.13	mg/L			
O-30	O 30	16-Feb-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
O-30	O 30	22-Mar-95	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.22	mg/L			
O-30	O 30	15-May-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.22	mg/L			
O-30	O 30	14-Jun-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.19	mg/L			
O-30	O 30	21-Jul-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.02	mg/L			
O-30	O 30	5-Sep-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.18	mg/L			
O-30	O 30	7-Nov-95	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
O-30	O 30	13-Dec-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
O-30	O 30	24-Jan-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.24	mg/L			
O-30	O 30	20-Feb-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.22	mg/L			
O-30	O 30	27-Mar-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.11	mg/L			
O-30	O 30	24-Apr-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.49	mg/L			
O-30	O 30	3-Jun-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
O-30	O 30	15-Jul-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
O-30	O 30	26-Aug-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
O-30	O 30	16-Oct-96	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.02	mg/L			
O-30	O 30	13-Nov-96	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.3	mg/L			
O-30	O 30	13-Jan-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.02	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	19-Feb-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.24	mg/L			
O-30	O 30	31-Mar-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.17	mg/L			
O-30	O 30	3-Jun-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.45	mg/L			
O-30	O 30	7-Jul-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
O-30	O 30	12-Aug-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.17	mg/L			
O-30	O 30	10-Sep-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.47	mg/L			
O-30	O 30	12-Nov-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.2	mg/L			
O-30	O 30	10-Dec-97	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.07	mg/L			
O-30	O 30	15-Jan-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.02	mg/L			
O-30	O 30	17-Feb-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
O-30	O 30	26-Mar-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.19	mg/L			
O-30	O 30	11-May-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.35	mg/L			
O-30	O 30	8-Jun-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.37	mg/L			
O-30	O 30	15-Jul-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.25	mg/L			
O-30	O 30	24-Aug-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	mg/L			
O-30	O 30	7-Oct-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.19	mg/L			
O-30	O 30	18-Nov-98	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.73	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
OB-03	OB 03	15-Nov-96	1200	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
OC-04	OC 04	29-Jan-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.18	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		1.7	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.2	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.34	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.08	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.1	mg/L			
OC-04	OC 04	1-Oct-90	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.1	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.21	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.48	mg/L			
OC-04	OC 04	5-Mar-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.14	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
OC-04	OC 04	22-May-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		2.2	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.68	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.46	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.38	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.31	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.11	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.17	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		1.4	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	21-Jul-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.18	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.05	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.49	mg/L			
OC-04	OC 04	6-Apr-93	1200	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.08	mg/L			
OC-04	OC 04	4-May-93	1200	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.2	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.25	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.14	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
OC-04	OC 04	17-Nov-93	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.12	mg/L			
OC-04	OC 04	4-Jan-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.2	mg/L			
OC-04	OC 04	7-Feb-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.28	mg/L			
OC-04	OC 04	24-Mar-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
OC-04	OC 04	26-Apr-94	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	mg/L			
OC-04	OC 04	26-May-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
OC-04	OC 04	29-Jun-94	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.11	mg/L			
OC-04	OC 04	14-Sep-94	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.17	mg/L			
OC-04	OC 04	20-Oct-94	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.55	mg/L			
OC-04	OC 04	21-Nov-94	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.29	mg/L			
OC-04	OC 04	19-Jan-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.12	mg/L			
OC-04	OC 04	1-Mar-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.55	mg/L			
OC-04	OC 04	4-Apr-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.14	mg/L			
OC-04	OC 04	16-May-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.77	mg/L			
OC-04	OC 04	11-Jul-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.05	mg/L			
OC-04	OC 04	23-Aug-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.06	mg/L			
OC-04	OC 04	18-Sep-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.17	mg/L			
OC-04	OC 04	2-Nov-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.19	mg/L			
OC-04	OC 04	4-Dec-95	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
OC-04	OC 04	16-Jan-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.37	mg/L			
OC-04	OC 04	7-Feb-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.7	mg/L			
OC-04	OC 04	2-Apr-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.93	mg/L			
OC-04	OC 04	8-May-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.45	mg/L			
OC-04	OC 04	27-Jun-96	1300	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.01	mg/L	K		
OC-04	OC 04	9-Jul-96	830	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.04	mg/L			
OC-04	OC 04	19-Aug-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.53	mg/L			
OC-04	OC 04	24-Oct-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.25	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
OC-04	OC 04	7-Jan-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.2	mg/L			
OC-04	OC 04	10-Feb-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.32	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	27-Mar-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.03	mg/L			
OC-04	OC 04	7-May-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
OC-04	OC 04	5-Jun-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.24	mg/L			
OC-04	OC 04	15-Jul-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.27	mg/L			
OC-04	OC 04	20-Aug-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.77	mg/L			
OC-04	OC 04	6-Oct-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.24	mg/L			
OC-04	OC 04	13-Nov-97	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.28	mg/L			
OC-04	OC 04	6-Jan-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.27	mg/L			
OC-04	OC 04	9-Feb-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.45	mg/L			
OC-04	OC 04	23-Mar-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.64	mg/L			
OC-04	OC 04	28-Apr-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.82	mg/L			
OC-04	OC 04	25-Jun-98	1200	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.1	mg/L			
OC-04	OC 04	19-Aug-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.23	mg/L			
OC-04	OC 04	23-Sep-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.33	mg/L			
OC-04	OC 04	28-Oct-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.15	mg/L			
OC-04	OC 04	9-Dec-98	1000	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.2	mg/L			
OE-02	OE 04	10-Jul-96	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.16	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.28	mg/L			
ROV	ROV-1	15-May-90	1200	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.4	mg/L			
ROV	ROV-3	15-May-90	1200	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.44	mg/L			
ROV	ROV-1	25-Jun-90	1217	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.19	mg/L			
ROV	ROV-3	25-Jun-90	1205	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.08	mg/L			
ROV	ROV-1	18-Jul-90	1400	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.27	mg/L			
ROV	ROV-3	18-Jul-90	1400	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.29	mg/L			
ROV	ROV-1	25-Jul-90	1100	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.49	mg/L			
ROV	ROV-3	25-Jul-90	1120	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.38	mg/L			
ROV	ROV-1	22-Aug-90	1400	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.34	mg/L			
ROV	ROV-3	22-Aug-90	1430	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.33	mg/L			
ROV	ROV-1	24-Oct-90	1300	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.09	mg/L			
ROV	ROV-3	24-Oct-90	1310	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.07	mg/L			
ROV	ROV-1	10-Jun-92	1315	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.32	mg/L			
ROV	ROV-3	10-Jun-92	1300	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.32	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.1	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.46	mg/L			
ROV	ROV-1	26-May-93	1300	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.73	mg/L			
ROV	ROV-3	26-May-93	1305	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.28	mg/L			
ROV	ROV-1	28-Jun-93	805	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.71	mg/L			
ROV	ROV-3	28-Jun-93	809	Water	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		0.05	mg/L			
OC-04		7/16/2008	9:40:00	Water	Nitrogen, Kjeldahl	Total	0.623	mg/l			
OC-04		8/19/2008	11:00:00	Water	Nitrogen, Kjeldahl	Total	0.799	mg/l			
OC-04		9/29/2008	10:00:00	Water	Nitrogen, Kjeldahl	Total	0.704	mg/l			
OC-95		7/22/2008	9:20:00	Water	Nitrogen, Kjeldahl	Total	0.97	mg/l			
OC-95		7/29/2008	10:53:00	Water	Nitrogen, Kjeldahl	Total	0.763	mg/l			
OC-95		9/8/2008	9:20:00	Water	Nitrogen, Kjeldahl	Total	0.526	mg/l			
OC-95		9/15/2008	10:00:00	Water	Nitrogen, Kjeldahl	Total	0.91	mg/l			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OCF-96		7/22/2008	8:10:00	Water	Nitrogen, Kjeldahl	Total	0.763	mg/l			
OCF-96		7/29/2008	9:45:00	Water	Nitrogen, Kjeldahl	Total	0.773	mg/l	J3		
OCF-96		9/8/2008	8:00:00	Water	Nitrogen, Kjeldahl	Total	0.422	mg/l	J		
OCF-96		9/15/2008	9:00:00	Water	Nitrogen, Kjeldahl	Total	0.937	mg/l			
O-30	O 30	4-Jan-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.9	mg/L			
O-30	O 30	1-Feb-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.2	mg/L			
O-30	O 30	19-Mar-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.7	mg/L			
O-30	O 30	25-Apr-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.4	mg/L			
O-30	O 30	6-Jun-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	17-Jul-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.7	mg/L			
O-30	O 30	12-Sep-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1	mg/L			
O-30	O 30	23-Oct-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.5	mg/L			
O-30	O 30	10-Dec-90	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1	mg/L			
O-30	O 30	14-Jan-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	27-Feb-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	1-Apr-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.3	mg/L			
O-30	O 30	15-May-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.05	mg/L			
O-30	O 30	18-Jun-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	1-Aug-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1	mg/L			
O-30	O 30	24-Sep-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.5	mg/L			
O-30	O 30	12-Nov-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.5	mg/L			
O-30	O 30	17-Dec-91	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.5	mg/L			
O-30	O 30	13-Jan-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.2	mg/L			
O-30	O 30	18-Feb-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.3	mg/L			
O-30	O 30	30-Mar-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.5	mg/L			
O-30	O 30	29-Apr-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1	mg/L			
O-30	O 30	11-Jun-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.6	mg/L			
O-30	O 30	13-Aug-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.9	mg/L			
O-30	O 30	15-Sep-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.6	mg/L			
O-30	O 30	2-Nov-92	700	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.87	mg/L			
O-30	O 30	3-Dec-92	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.669	mg/L			
O-30	O 30	14-Jan-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.35	mg/L			
O-30	O 30	24-Feb-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.598	mg/L			
O-30	O 30	27-Apr-93	1100	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.79	mg/L			
O-30	O 30	24-May-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.48	mg/L			
O-30	O 30	23-Jun-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.09	mg/L			
O-30	O 30	9-Aug-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.58	mg/L			
O-30	O 30	20-Sep-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.28	mg/L			
O-30	O 30	6-Oct-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.03	mg/L			
O-30	O 30	23-Nov-93	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.71	mg/L			
O-30	O 30	31-Jan-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.8	mg/L			
O-30	O 30	28-Feb-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.5	mg/L			
O-30	O 30	30-Mar-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.8	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	18-May-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1	mg/L			
O-30	O 30	2-Jun-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	13-Jul-94	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.75	mg/L			
O-30	O 30	28-Sep-94	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.89	mg/L			
O-30	O 30	9-Nov-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.99	mg/L			
O-30	O 30	14-Dec-94	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.77	mg/L			
O-30	O 30	18-Jan-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.7	mg/L			
O-30	O 30	16-Feb-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.77	mg/L			
O-30	O 30	22-Mar-95	1100	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.3	mg/L			
O-30	O 30	15-May-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	14-Jun-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.69	mg/L			
O-30	O 30	21-Jul-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.97	mg/L			
O-30	O 30	5-Sep-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.92	mg/L			
O-30	O 30	7-Nov-95	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.6	mg/L			
O-30	O 30	13-Dec-95	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.84	mg/L			
O-30	O 30	24-Jan-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.9	mg/L			
O-30	O 30	20-Feb-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.2	mg/L			
O-30	O 30	27-Mar-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1	mg/L			
O-30	O 30	24-Apr-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		3.34	mg/L			
O-30	O 30	3-Jun-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.6	mg/L			
O-30	O 30	15-Jul-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	26-Aug-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.81	mg/L			
O-30	O 30	16-Oct-96	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.76	mg/L			
O-30	O 30	13-Nov-96	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	13-Jan-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.03	mg/L			
O-30	O 30	19-Feb-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.95	mg/L			
O-30	O 30	31-Mar-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	3-Jun-97	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.7	mg/L			
O-30	O 30	7-Jul-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.94	mg/L			
O-30	O 30	12-Aug-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.3	mg/L			
O-30	O 30	10-Sep-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.58	mg/L			
O-30	O 30	12-Nov-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.1	mg/L	K		
O-30	O 30	10-Dec-97	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.68	mg/L			
O-30	O 30	15-Jan-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.95	mg/L			
O-30	O 30	17-Feb-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.88	mg/L			
O-30	O 30	26-Mar-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.4	mg/L			
O-30	O 30	11-May-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O 30	8-Jun-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.4	mg/L			
O-30	O 30	15-Jul-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.69	mg/L			
O-30	O 30	24-Aug-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.68	mg/L			
O-30	O 30	7-Oct-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.8	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	18-Nov-98	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.96	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.49	mg/L			
OB-03	OB 03	15-Nov-96	1200	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.4	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.2	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.3	mg/L			
OE-02	OE 04	10-Jul-96	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.77	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		2	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		0.8	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		1.1	mg/L			
O-30	O-30	21-Sep-05	0.5	Water	Nitrogen, Kjeldahl,,mg/l		1.65	mg/L			
O-30	O-30	12-Oct-05	0.416666667	Water	Nitrogen, Kjeldahl,,mg/l		1.91	mg/L			
OC-04	OC-04	20-Sep-05	0.625	Water	Nitrogen, Kjeldahl,,mg/l		1.91	mg/L			
OC-04	OC-04	24-Oct-05	0.5625	Water	Nitrogen, Kjeldahl,,mg/l		1.12	mg/L			
O-30	O 30	27-Jan-99		Water	NITROGEN, KJELDAHL,Total mg/l		1.4	mg/L			
O-30	O 30	16-Feb-99		Water	NITROGEN, KJELDAHL,Total mg/l		1.1	mg/L			
O-30	O 30	7-Apr-99		Water	NITROGEN, KJELDAHL,Total mg/l		1.9	mg/L			
O-30	O 30	11-May-99		Water	NITROGEN, KJELDAHL,Total mg/l		0.48	mg/L			
O-30	O 30	16-Jun-99		Water	NITROGEN, KJELDAHL,Total mg/l		0.31	mg/L			
O-30	O 30	6-Aug-99		Water	NITROGEN, KJELDAHL,Total mg/l		0.47	mg/L			
O-30	O 30	20-Sep-99		Water	NITROGEN, KJELDAHL,Total mg/l		0.75	mg/L			
O-30	O 30	2-Nov-99		Water	NITROGEN, KJELDAHL,Total mg/l		0.86	mg/L			
O-30	O 30	13-Dec-99		Water	NITROGEN, KJELDAHL,Total mg/l		1.54	mg/L			
O-30	O 30	1-Feb-00		Water	NITROGEN, KJELDAHL,Total mg/l		0.73	mg/L			
O-30	O 30	9-Mar-00		Water	NITROGEN, KJELDAHL,Total mg/l		1.2	mg/L			
O-30	O 30	20-Apr-00		Water	NITROGEN, KJELDAHL,Total mg/l		0.82	mg/L			
O-30	O 30	18-May-00		Water	NITROGEN, KJELDAHL,Total mg/l		1.47	mg/L			
O-30	O 30	15-Jun-00		Water	NITROGEN, KJELDAHL,Total mg/l		0.97	mg/L			
O-30	O 30	27-Jul-00		Water	NITROGEN, KJELDAHL,Total mg/l		1.23	mg/L			
O-30	O 30	25-Sep-00		Water	NITROGEN, KJELDAHL,Total mg/l		1.2	mg/L			
O-30	O 30	2-Nov-00		Water	NITROGEN, KJELDAHL,Total mg/l		0.59	mg/L			
O-30	O 30	6-Dec-00		Water	NITROGEN, KJELDAHL,Total mg/l		2.07	mg/L			
O-30	O 30	24-Jan-01		Water	NITROGEN, KJELDAHL,Total mg/l		0.83	mg/L			
O-30	O 30	13-Feb-01		Water	NITROGEN, KJELDAHL,Total mg/l		3.36	mg/L			
O-30	O 30	21-Mar-01		Water	NITROGEN, KJELDAHL,Total mg/l		1.29	mg/L			
O-30	O 30	4-Jun-01		Water	NITROGEN, KJELDAHL,Total mg/l		1.55	mg/L			
O-30	O 30	17-Jul-01		Water	NITROGEN, KJELDAHL,Total mg/l		1.07	mg/L			
O-30	O 30	21-Aug-01		Water	NITROGEN, KJELDAHL,Total mg/l		0.7	mg/L			
O-30	O 30	9-Oct-01		Water	NITROGEN, KJELDAHL,Total mg/l		1.41	mg/L			
O-30	O 30	14-Nov-01		Water	NITROGEN, KJELDAHL,Total mg/l		1.4	mg/L			
O-30	O 30	8-Jan-02		Water	NITROGEN, KJELDAHL,Total mg/l		1.67	mg/L			
O-30	O 30	13-Feb-02		Water	NITROGEN, KJELDAHL,Total mg/l		1.28	mg/L			
O-30	O 30	27-Mar-02		Water	NITROGEN, KJELDAHL,Total mg/l		3.85	mg/L			
O-30	O 30	1-May-02		Water	NITROGEN, KJELDAHL,Total mg/l		1.95	mg/L			
O-30	O 30	22-Jul-02		Water	NITROGEN, KJELDAHL,Total mg/l		2.1	mg/L			
OC-04	OC 04	3-Nov-99		Water	NITROGEN, KJELDAHL,Total mg/l		1.6	mg/L			
OC-04	OC 04	18-Jan-00		Water	NITROGEN, KJELDAHL,Total mg/l		0.92	mg/L			
OC-04	OC 04	10-Feb-00		Water	NITROGEN, KJELDAHL,Total mg/l		1.8	mg/L			
OC-04	OC 04	26-Apr-00		Water	NITROGEN, KJELDAHL,Total mg/l		1.23	mg/L			
OC-04		7/16/2008	9:40:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	7.17	mg/l			
OC-04		8/19/2008	11:00:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	9.14	mg/l			
OC-04		9/29/2008	10:00:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	8.22	mg/l			
OC-95		7/22/2008	9:20:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.48	mg/l			
OC-95		7/29/2008	10:53:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.936	mg/l			
OC-95		9/8/2008	9:20:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	7.19	mg/l			
OC-95		9/15/2008	10:00:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.29	mg/l			
OCF-96		7/22/2008	8:10:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.26	mg/l			
OCF-96		7/29/2008	9:45:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	1.04	mg/l			
OCF-96		9/8/2008	8:00:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	3.36	mg/l			
OCF-96		9/15/2008	9:00:00	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	Total	0.882	mg/l			
O-30	O-30	26-Feb-04	0.541666667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.33	mg/L			
O-30	O-30	19-Apr-04	0.458333333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.58	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	26-May-04	0.458333333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.66	mg/L			
O-30	O-30	23-Jun-04	0.479166667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.9	mg/L			
O-30	O-30	12-Aug-04	0.5	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		6.3	mg/L			
O-30	O-30	9-Sep-04	0.479166667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.13	mg/L			
O-30	O-30	15-Nov-04	0.5	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.53	mg/L			
O-30	O-30	5-Jan-05	0.5625	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.01	mg/L			
O-30	O-30	1-Feb-05	0.458333333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.99	mg/L			
O-30	O-30	10-Mar-05	0.479166667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.89	mg/L			
O-30	O-30	6-Apr-05	0.583333333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.43	mg/L			
O-30	O-30	20-May-05	0.447916667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.41	mg/L			
O-30	O-30	22-Jun-05	0.420138889	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l			mg/L	ND		
O-30	O-30	15-Aug-05	0.458333333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l			mg/L	ND		
O-30	O-30	21-Sep-05	0.5	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.82	mg/L			
O-30	O-30	12-Oct-05	0.416666667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.51	mg/L			
O-30	O-30	1-Dec-05	0.416666667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.47	mg/L			
O-30	O 30	27-Jan-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.13	mg/L			
O-30	O 30	16-Feb-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.25	mg/L			
O-30	O 30	7-Apr-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.94	mg/L			
O-30	O 30	11-May-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.34	mg/L			
O-30	O 30	16-Jun-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.3	mg/L			
O-30	O 30	6-Aug-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.12	mg/L			
O-30	O 30	20-Sep-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.26	mg/L			
O-30	O 30	2-Nov-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.22	mg/L			
O-30	O 30	13-Dec-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.41	mg/L			
O-30	O 30	1-Feb-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.05	mg/L			
O-30	O 30	9-Mar-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.61	mg/L			
O-30	O 30	20-Apr-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.06	mg/L			
O-30	O 30	18-May-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.17	mg/L			
O-30	O 30	15-Jun-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.03	mg/L			
O-30	O 30	27-Jul-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.2	mg/L			
O-30	O 30	25-Sep-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.01	mg/L			
O-30	O 30	2-Nov-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.26	mg/L			
O-30	O 30	6-Dec-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.93	mg/L			
O-30	O 30	24-Jan-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.3	mg/L			
O-30	O 30	13-Feb-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.67	mg/L			
O-30	O 30	21-Mar-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.5	mg/L			
O-30	O 30	4-Jun-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.85	mg/L			
O-30	O 30	17-Jul-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.49	mg/L			
O-30	O 30	21-Aug-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.05	mg/L			
O-30	O 30	9-Oct-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.34	mg/L			
O-30	O 30	14-Nov-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.09	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	8-Jan-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.13	mg/L			
O-30	O 30	13-Feb-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.31	mg/L			
O-30	O 30	27-Mar-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.9	mg/L			
O-30	O 30	1-May-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.76	mg/L			
O-30	O 30	19-Jun-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.81	mg/L			
O-30	O 30	22-Jul-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1	mg/L			
O-30	O 30	29-Aug-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.78	mg/L			
OB-03	OB 03	19-Jun-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.68	mg/L			
OB-03	OB 03	9-Jul-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.79	mg/L			
OB-03	OB 03	27-Aug-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.22	mg/L			
OC-04	OC-04	26-Feb-04	0.375	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		4.73	mg/L			
OC-04	OC-04	24-Mar-04	0.145833333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.13	mg/L			
OC-04	OC-04	6-May-04	0.395833333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		4.77	mg/L			
OC-04	OC-04	10-Jun-04	0.385416667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		4.71	mg/L			
OC-04	OC-04	21-Jul-04	0.614583333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		8.23	mg/L			
OC-04	OC-04	1-Sep-04	0.625	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.83	mg/L			
OC-04	OC-04	9-Nov-04	0.520833333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.44	mg/L			
OC-04	OC-04	3-Jan-05	0.569444444	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.25	mg/L			
OC-04	OC-04	3-Feb-05	0.541666667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.23	mg/L			
OC-04	OC-04	7-Mar-05	0.541666667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		4.67	mg/L			
OC-04	OC-04	6-Apr-05	0.395833333	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.82	mg/L			
OC-04	OC-04	13-May-05	0.53125	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.6	mg/L			
OC-04	OC-04	29-Jun-05	0.5	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		12.2	mg/L			
OC-04	OC-04	31-Aug-05	0.666666667	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		10.6	mg/L			
OC-04	OC-04	20-Sep-05	0.625	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		0.85	mg/L			
OC-04	OC-04	24-Oct-05	0.5625	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		9.08	mg/L			
OC-04	OC-04	5-Nov-05	0.4375	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		6.03	mg/L			
OC-04	OC 04	1-Feb-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.89	mg/L			
OC-04	OC 04	3-Mar-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.5	mg/L			
OC-04	OC 04	1-Apr-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.4	mg/L			
OC-04	OC 04	12-May-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		4.4	mg/L			
OC-04	OC 04	9-Jun-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3	mg/L			
OC-04	OC 04	5-Aug-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		11	mg/L			
OC-04	OC 04	15-Sep-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		6.6	mg/L			
OC-04	OC 04	3-Nov-99		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		12	mg/L			
OC-04	OC 04	18-Jan-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		14	mg/L			
OC-04	OC 04	10-Feb-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		11	mg/L			
OC-04	OC 04	26-Apr-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		4.8	mg/L			
OC-04	OC 04	29-Jun-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.6	mg/L			
OC-04	OC 04	18-Jul-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.8	mg/L			
OC-04	OC 04	27-Sep-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.2	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	8-Nov-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.7	mg/L			
OC-04	OC 04	4-Dec-00		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.6	mg/L			
OC-04	OC 04	11-Jan-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		6.8	mg/L			
OC-04	OC 04	12-Mar-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.1	mg/L			
OC-04	OC 04	4-Apr-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.2	mg/L			
OC-04	OC 04	7-May-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		2.8	mg/L			
OC-04	OC 04	8-Aug-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		8.5	mg/L			
OC-04	OC 04	13-Sep-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		9	mg/L			
OC-04	OC 04	5-Nov-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		7.4	mg/L			
OC-04	OC 04	6-Dec-01		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.1	mg/L			
OC-04	OC 04	16-Jan-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		8.1	mg/L			
OC-04	OC 04	4-Mar-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3	mg/L			
OC-04	OC 04	1-Apr-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		3.2	mg/L			
OC-04	OC 04	8-May-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		1.34	mg/L			
OC-04	OC 04	20-Jun-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		5.9	mg/L			
OC-04	OC 04	11-Jul-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		10.6	mg/L			
OC-04	OC 04	20-Aug-02		Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		6.44	mg/L			
OC-95	OC-BV-A2	8-Aug-96	945	Water	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N,,mg/l		9.2	mg/L			
O-30	O 30	1/4/1990	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	2/1/1990	1000	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	3/19/1990	1000	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	4/25/1990	1000	Water	PH (STANDARD UNITS)		7.3		A		
O-30	O 30	6/6/1990	1000	Water	PH (STANDARD UNITS)		7		A		
O-30	O 30	7/17/1990	1000	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	9/12/1990	1000	Water	PH (STANDARD UNITS)		7.4		A		
O-30	O 30	10/23/1990	1000	Water	PH (STANDARD UNITS)		8.2		A		
O-30	O 30	12/10/1990	1000	Water	PH (STANDARD UNITS)		8		A		
O-30	O 30	1/14/1991	1000	Water	PH (STANDARD UNITS)		7.4		A		
O-30	O 30	2/27/1991	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	4/1/1991	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	5/15/1991	1000	Water	PH (STANDARD UNITS)		8		A		
O-30	O 30	6/18/1991	1000	Water	PH (STANDARD UNITS)		8		A		
O-30	O 30	8/1/1991	1000	Water	PH (STANDARD UNITS)		7.2		A		
O-30	O 30	9/24/1991	1000	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	11/12/1991	1000	Water	PH (STANDARD UNITS)		7.4		A		
O-30	O 30	12/17/1991	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	1/13/1992	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	2/18/1992	1000	Water	PH (STANDARD UNITS)		7.8		A		
O-30	O 30	3/30/1992	1000	Water	PH (STANDARD UNITS)		7.8		A		
O-30	O 30	4/29/1992	1000	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	6/11/1992	1000	Water	PH (STANDARD UNITS)		7		A		
O-30	O 30	8/13/1992	1000	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	9/15/1992	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	11/2/1992	700	Water	PH (STANDARD UNITS)		8		A		
O-30	O 30	12/3/1992	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	1/14/1993	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	2/24/1993	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	4/27/1993	1100	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	5/24/1993	1000	Water	PH (STANDARD UNITS)		7.3		A		
O-30	O 30	6/23/1993	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	8/9/1993	1000	Water	PH (STANDARD UNITS)		7.3		A		
O-30	O 30	9/20/1993	1000	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	10/6/1993	1000	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	11/23/1993	1000	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	1/31/1994	1000	Water	PH (STANDARD UNITS)		8		A		
O-30	O 30	2/28/1994	1000	Water	PH (STANDARD UNITS)		8.3		A		
O-30	O 30	3/30/1994	1000	Water	PH (STANDARD UNITS)		8.4		A		
O-30	O 30	5/18/1994	1000	Water	PH (STANDARD UNITS)		7.8		A		
O-30	O 30	6/2/1994	1000	Water	PH (STANDARD UNITS)		7.9		A		
O-30	O 30	7/13/1994	900	Water	PH (STANDARD UNITS)		7.9		A		
O-30	O 30	9/28/1994	900	Water	PH (STANDARD UNITS)		8		A		
O-30	O 30	11/9/1994	1000	Water	PH (STANDARD UNITS)		7.8		A		
O-30	O 30	12/14/1994	1000	Water	PH (STANDARD UNITS)		7.8		A		
O-30	O 30	1/18/1995	1000	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	2/16/1995	1000	Water	PH (STANDARD UNITS)		8.1		A		

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	3/22/1995	1100	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	5/15/1995	1000	Water	PH (STANDARD UNITS)		7.1		A		
O-30	O 30	6/14/1995	1000	Water	PH (STANDARD UNITS)		7.2		A		
O-30	O 30	7/21/1995	1000	Water	PH (STANDARD UNITS)		6.9		A		
O-30	O 30	9/5/1995	1000	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	11/7/1995	900	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	12/13/1995	1000	Water	PH (STANDARD UNITS)		6.1		A		
O-30	O 30	1/24/1996	1000	Water	PH (STANDARD UNITS)		8.2		A		
O-30	O 30	2/20/1996	1000	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	3/27/1996	1000	Water	PH (STANDARD UNITS)		7		A		
O-30	O 30	4/24/1996	1000	Water	PH (STANDARD UNITS)		7.1		A		
O-30	O 30	6/3/1996	1000	Water	PH (STANDARD UNITS)		7.4		A		
O-30	O 30	7/15/1996	1000	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	8/26/1996	1000	Water	PH (STANDARD UNITS)		7.3		A		
O-30	O 30	10/16/1996	900	Water	PH (STANDARD UNITS)		6.7		A		
O-30	O 30	11/13/1996	900	Water	PH (STANDARD UNITS)		6.9		A		
O-30	O 30	1/13/1997	900	Water	PH (STANDARD UNITS)		7.8		A		
O-30	O 30	2/19/1997	900	Water	PH (STANDARD UNITS)		8.6		A		
O-30	O 30	3/31/1997	900	Water	PH (STANDARD UNITS)		7.7		A		
O-30	O 30	6/3/1997	1000	Water	PH (STANDARD UNITS)		7.3		A		
O-30	O 30	7/7/1997	900	Water	PH (STANDARD UNITS)		7.5		A		
O-30	O 30	8/12/1997	900	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	9/10/1997	900	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	11/12/1997	900	Water	PH (STANDARD UNITS)		7.4		A		
O-30	O 30	12/10/1997	900	Water	PH (STANDARD UNITS)		7.2		A		
O-30	O 30	1/15/1998	900	Water	PH (STANDARD UNITS)		7.9		A		
O-30	O 30	2/17/1998	900	Water	PH (STANDARD UNITS)		8.6		A		
O-30	O 30	3/26/1998	900	Water	PH (STANDARD UNITS)		8.1		A		
O-30	O 30	5/11/1998	900	Water	PH (STANDARD UNITS)		7.6		A		
O-30	O 30	6/8/1998	900	Water	PH (STANDARD UNITS)		7.2		A		
O-30	O 30	7/15/1998	900	Water	PH (STANDARD UNITS)		6.3		A		
O-30	O 30	8/24/1998	900	Water	PH (STANDARD UNITS)		7.2		A		
O-30	O 30	10/7/1998	900	Water	PH (STANDARD UNITS)		7.3		A		
O-30	O 30	11/18/1998	900	Water	PH (STANDARD UNITS)		7		A		
O-30	O 30	1/27/1999		Water	PH (STANDARD UNITS)		7.1				
O-30	O 30	2/16/1999		Water	PH (STANDARD UNITS)		7.4				
O-30	O 30	4/7/1999		Water	PH (STANDARD UNITS)		7.5				
O-30	O 30	5/11/1999		Water	PH (STANDARD UNITS)		7.3				
O-30	O 30	6/16/1999		Water	PH (STANDARD UNITS)		6.9				
O-30	O 30	8/6/1999		Water	PH (STANDARD UNITS)		8.2				
O-30	O 30	9/20/1999		Water	PH (STANDARD UNITS)		7.2				
O-30	O 30	11/2/1999		Water	PH (STANDARD UNITS)		7.1				
O-30	O 30	12/13/1999		Water	PH (STANDARD UNITS)		8.4				
O-30	O 30	2/1/2000		Water	PH (STANDARD UNITS)		8.2				
O-30	O 30	3/9/2000		Water	PH (STANDARD UNITS)		7.1				
O-30	O 30	4/20/2000		Water	PH (STANDARD UNITS)		7.3				
O-30	O 30	5/18/2000		Water	PH (STANDARD UNITS)		7				
O-30	O 30	6/15/2000		Water	PH (STANDARD UNITS)		7.4				
O-30	O 30	7/27/2000		Water	PH (STANDARD UNITS)		6.6				
O-30	O 30	9/25/2000		Water	PH (STANDARD UNITS)		6.9				
O-30	O 30	11/2/2000		Water	PH (STANDARD UNITS)		7.2				
O-30	O 30	12/6/2000		Water	PH (STANDARD UNITS)		7.1				
O-30	O 30	1/24/2001		Water	PH (STANDARD UNITS)		7.2				
O-30	O 30	2/13/2001		Water	PH (STANDARD UNITS)		7				
O-30	O 30	3/21/2001		Water	PH (STANDARD UNITS)		6.8				
O-30	O 30	6/4/2001		Water	PH (STANDARD UNITS)		6.6				
O-30	O 30	7/17/2001		Water	PH (STANDARD UNITS)		6.8				
O-30	O 30	8/21/2001		Water	PH (STANDARD UNITS)		6.8				
O-30	O 30	10/9/2001		Water	PH (STANDARD UNITS)		6.5				
O-30	O 30	11/14/2001		Water	PH (STANDARD UNITS)		6.9				
O-30	O 30	1/8/2002		Water	PH (STANDARD UNITS)		6.8				
O-30	O 30	2/13/2002		Water	PH (STANDARD UNITS)		7				
O-30	O 30	3/27/2002		Water	PH (STANDARD UNITS)		6.3				
O-30	O 30	5/1/2002		Water	PH (STANDARD UNITS)		7.3				
O-30	O 30	6/19/2002		Water	PH (STANDARD UNITS)		6.9				
O-30	O 30	7/22/2002		Water	PH (STANDARD UNITS)		6.9				
O-30	O 30	8/29/2002		Water	PH (STANDARD UNITS)		7				
O-30	O 30	10/29/2002	9:00	Water	PH (STANDARD UNITS)		7.1				
O-30	O 30	12/19/2002	7:00	Water	PH (STANDARD UNITS)		7.4				
O-30	O-30	1/29/2003	11:45	Water	PH (STANDARD UNITS)		8.1				
O-30	O-30	3/6/2003	11:00	Water	PH (STANDARD UNITS)		7.66				
O-30	O-30	4/25/2003	11:45	Water	PH (STANDARD UNITS)		7.64				
O-30	O-30	6/18/2003	10:30	Water	PH (STANDARD UNITS)		7.1				
O-30	O-30	8/4/2003	10:00	Water	PH (STANDARD UNITS)		8.1				
O-30	O-30	9/4/2003	8:00	Water	PH (STANDARD UNITS)		7.1				
O-30	O-30	10/15/2003	11:00	Water	PH (STANDARD UNITS)		7.7				
O-30	O-30	12/10/2003	11:00	Water	PH (STANDARD UNITS)		7.8				
O-30	O-30	1/21/2004	12:00	Water	PH (STANDARD UNITS)		7.2				
O-30	O-30	2/26/2004	13:00	Water	PH (STANDARD UNITS)		7.8				
O-30	O-30	5/26/2004	11:00	Water	PH (STANDARD UNITS)		7.4				
O-30	O-30	6/23/2004	11:30	Water	PH (STANDARD UNITS)		7.5				
O-30	O-30	8/12/2004	12:00	Water	PH (STANDARD UNITS)		7.9				
O-30	O-30	9/9/2004	11:30	Water	PH (STANDARD UNITS)		7.8				

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O-30	11/15/2004	12:00	Water	PH (STANDARD UNITS)		7.3				
O-30	O-30	1/5/2005	13:30	Water	PH (STANDARD UNITS)		7.5				
O-30	O-30	2/1/2005	11:00	Water	PH (STANDARD UNITS)		7.4				
O-30	O-30	3/10/2005	11:30	Water	PH (STANDARD UNITS)		8.4				
O-30	O-30	4/6/2005	14:00	Water	PH (STANDARD UNITS)		8.6				
O-30	O-30	5/20/2005	10:45	Water	PH (STANDARD UNITS)		8.3				
O-30	O-30	6/22/2005	10:05	Water	PH (STANDARD UNITS)		8.5				
O-30	O-30	8/15/2005	11:00	Water	PH (STANDARD UNITS)		8.2				
O-30	O-30	9/21/2005	12:00	Water	PH (STANDARD UNITS)		7.5				
O-30	O-30	10/12/2005	10:00	Water	PH (STANDARD UNITS)		7.3				
O-30	O-30	12/1/2005	10:00	Water	PH (STANDARD UNITS)		7.2				
OC-04		9/29/2008	10:00:00	Water	Phenol	Total	ND	mg/l	S,ND		
OC-95		7/22/2008	9:20:00	Water	Pheophytin-a	Total	1.46	ug/l			
OC-95		7/29/2008	10:53:00	Water	Pheophytin-a	Total	2.4	ug/l			
OC-95		9/8/2008	9:20:00	Water	Pheophytin-a	Total	ND	ug/l	ND		
OC-95		9/15/2008	10:00:00	Water	Pheophytin-a	Total	ND	ug/l	ND		
OCF-96		7/22/2008	8:10:00	Water	Pheophytin-a	Total	ND	ug/l	ND		
OCF-96		7/29/2008	9:45:00	Water	Pheophytin-a	Total	ND	ug/l	ND		
OCF-96		9/8/2008	8:00:00	Water	Pheophytin-a	Total	ND	ug/l	ND		
OCF-96		9/15/2008	9:00:00	Water	Pheophytin-a	Total	ND	ug/l	ND		
OC-04		7/16/2008	9:40:00	Water	Phosphorus as P	Dissolved	0.769	mg/l			
OC-04		7/16/2008	9:40:00	Water	Phosphorus as P	Total	0.872	mg/l			
OC-04		8/19/2008	11:00:00	Water	Phosphorus as P	Dissolved	1.1	mg/l			
OC-04		8/19/2008	11:00:00	Water	Phosphorus as P	Total	1.16	mg/l			
OC-04		9/29/2008	10:00:00	Water	Phosphorus as P	Dissolved	1.08	mg/l			
OC-04		9/29/2008	10:00:00	Water	Phosphorus as P	Total	1.16	mg/l			
OC-95		7/22/2008	9:20:00	Water	Phosphorus as P	Total	1.74	mg/l			
OC-95		7/29/2008	10:53:00	Water	Phosphorus as P	Total	0.649	mg/l			
OC-95		9/8/2008	9:20:00	Water	Phosphorus as P	Total	0.735	mg/l			
OC-95		9/15/2008	10:00:00	Water	Phosphorus as P	Total	0.411	mg/l			
OCF-96		7/22/2008	8:10:00	Water	Phosphorus as P	Total	1.53	mg/l			
OCF-96		7/29/2008	9:45:00	Water	Phosphorus as P	Total	0.906	mg/l			
OCF-96		9/8/2008	8:00:00	Water	Phosphorus as P	Total	0.937	mg/l			
OCF-96		9/15/2008	9:00:00	Water	Phosphorus as P	Total	0.627	mg/l			
SOC	SOC-3	06/30/2003	14:05	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.016	mg/l		12	ft
SOC	SOC-3	10/16/2003	13:35	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.032	mg/l		1	ft
SOC	SOC-3	08/21/2003	14:20	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved		mg/l		1	ft
SOC	SOC-3	07/22/2003	14:20	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved		mg/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.004	mg/l		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.058	mg/l		12	ft
SOC	SOC-2	07/22/2003	13:50	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.076	mg/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.004	mg/l		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.041	mg/l		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved		mg/l		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.04	mg/l		1	ft
SOC	SOC-1	08/21/2003	13:15	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.916	mg/l		1	ft
SOC	SOC-1	07/22/2003	13:15	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.732	mg/l		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	1.07	mg/l		1	ft
SOC	SOC-1	08/21/2003	13:15	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved		mg/l		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.029	mg/l		1	ft
SOC	SOC-1	06/30/2003	13:35	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.017	mg/l		12	ft
SOC	SOC-1	06/30/2003	13:05	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.011	mg/l		20	ft
SOC	SOC-1	06/30/2003	13:50	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.583	mg/l		12	ft
SOC	SOC-1	07/22/2003	13:15	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved		mg/l		1	ft
ROV	ROV-3	08-Jun-99	15:05	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.065	mg/l			
ROV	ROV-3	13-Oct-99	15:00	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.083	mg/l			
ROV	ROV-3	30-Apr-99	14:00	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.021	mg/l			
ROV	ROV-3	23-Aug-99	15:00	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.221	mg/l			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
ROV	ROV-3	22-Jul-99	13:45	Water	PHOSPHORUS AS P,Dissolved mg/l	Dissolved	0.239	mg/l			
SOC	SOC-3	06/30/2003	14:05	Water	PHOSPHORUS AS P,Total mg/l	Total	0.147	mg/l		12	ft
SOC	SOC-3	10/16/2003	13:35	Water	PHOSPHORUS AS P,Total mg/l	Total	0.079	mg/l		1	ft
SOC	SOC-3	08/21/2003	14:20	Sediment	PHOSPHORUS AS P,Total mg/l	Total	834	mg/kg		26	ft
SOC	SOC-3	08/21/2003	14:20	Water	PHOSPHORUS AS P,Total mg/l	Total	0.033	mg/l		1	ft
SOC	SOC-3	07/22/2003	14:20	Water	PHOSPHORUS AS P,Total mg/l	Total	0.049	mg/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	PHOSPHORUS AS P,Total mg/l	Total	0.046	mg/l		1	ft
SOC	SOC-2	06/30/2003	13:35	Water	PHOSPHORUS AS P,Total mg/l	Total	0.103	mg/l		12	ft
SOC	SOC-2	07/22/2003	13:50	Water	PHOSPHORUS AS P,Total mg/l	Total	0.112	mg/l		1	ft
SOC	SOC-2	08/21/2003	13:50	Water	PHOSPHORUS AS P,Total mg/l	Total	0.031	mg/l		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	PHOSPHORUS AS P,Total mg/l	Total	0.094	mg/l		1	ft
SOC	SOC-2	07/22/2003	13:50	Water	PHOSPHORUS AS P,Total mg/l	Total	0.056	mg/l		1	ft
SOC	SOC-2	10/16/2003	13:00	Water	PHOSPHORUS AS P,Total mg/l	Total	0.111	mg/l		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	PHOSPHORUS AS P,Total mg/l	Total	1.12	mg/l		1	ft
SOC	SOC-1	10/16/2003	12:30	Water	PHOSPHORUS AS P,Total mg/l	Total	0.075	mg/l		1	ft
SOC	SOC-1	08/21/2003	13:15	Water	PHOSPHORUS AS P,Total mg/l	Total	0.026	mg/l		1	ft
SOC	SOC-1	08/21/2003	13:15	Sediment	PHOSPHORUS AS P,Total mg/l	Total	446	mg/kg		26	ft
SOC	SOC-1	08/21/2003	13:15	Water	PHOSPHORUS AS P,Total mg/l	Total	0.972	mg/l		1	ft
SOC	SOC-1	07/22/2003	13:15	Water	PHOSPHORUS AS P,Total mg/l	Total	0.773	mg/l		1	ft
SOC	SOC-1	06/30/2003	13:35	Water	PHOSPHORUS AS P,Total mg/l	Total	0.147	mg/l		12	ft
SOC	SOC-1	06/30/2003	13:05	Water	PHOSPHORUS AS P,Total mg/l	Total	0.066	mg/l		20	ft
SOC	SOC-1	06/30/2003	13:50	Water	PHOSPHORUS AS P,Total mg/l	Total	0.652	mg/l		12	ft
SOC	SOC-1	07/22/2003	13:15	Water	PHOSPHORUS AS P,Total mg/l	Total	0.04	mg/l		1	ft
ROV	ROV-3	13-Oct-99	15:00	Water	PHOSPHORUS AS P,Total mg/l	Total	0.121	mg/l			
ROV	ROV-3	23-Aug-99	15:00	Water	PHOSPHORUS AS P,Total mg/l	Total	0.358	mg/l			
ROV	ROV-3	08-Jun-99	15:05	Water	PHOSPHORUS AS P,Total mg/l	Total	0.093	mg/l			
ROV	ROV-3	22-Jul-99	13:45	Water	PHOSPHORUS AS P,Total mg/l	Total	0.286	mg/l			
ROV	ROV-3	30-Apr-99	14:00	Water	PHOSPHORUS AS P,Total mg/l	Total	0.048	mg/l			
OC-04		10/4/2007	11:00:00	Water	Potassium	Dissolved	13100	ug/l			
OC-04		10/4/2007	11:00:00	Water	Potassium	Total	13300	ug/l			
OC-04		7/16/2008	9:40:00	Water	Potassium	Dissolved	7170	ug/l			
OC-04		7/16/2008	9:40:00	Water	Potassium	Total	7860	ug/l			
OC-04		8/19/2008	11:00:00	Water	Potassium	Dissolved	8300	ug/l			
OC-04		8/19/2008	11:00:00	Water	Potassium	Total	8630	ug/l			
OC-04		9/29/2008	10:00:00	Water	Potassium	Dissolved	8360	ug/l			
OC-04		9/29/2008	10:00:00	Water	Potassium	Total	8620	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Potassium	Total	10600	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Potassium	Total	6790	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Potassium	Total	8830	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Potassium	Total	7680	ug/l			
OC-04		10/4/2007	11:00:00	Water	Silver	Dissolved	6260	ug/l	X		
OC-04		10/4/2007	11:00:00	Water	Silver	Total	8020	ug/l	X		
OC-04		7/16/2008	9:40:00	Water	Silver	Dissolved	ND	ug/l	J7,ND		
OC-04		7/16/2008	9:40:00	Water	Silver	Total	ND	ug/l	ND		
OC-04		8/19/2008	11:00:00	Water	Silver	Dissolved	ND	ug/l	ND		
OC-04		8/19/2008	11:00:00	Water	Silver	Total	ND	ug/l	ND		
OC-04		9/29/2008	10:00:00	Water	Silver	Dissolved	ND	ug/l	ND		
OC-04		9/29/2008	10:00:00	Water	Silver	Total	ND	ug/l	ND		
OCF-96		7/22/2008	8:10:00	Water	Silver	Total	ND	ug/l	J7,ND		
OCF-96		7/29/2008	9:45:00	Water	Silver	Total	ND	ug/l	ND		
OCF-96		9/8/2008	8:00:00	Water	Silver	Total	ND	ug/l	J5,ND		
OCF-96		9/15/2008	9:00:00	Water	Silver	Total	ND	ug/l	J5,ND		
OC-04		10/4/2007	11:00:00	Water	Sodium	Dissolved	71100	ug/l			
OC-04		10/4/2007	11:00:00	Water	Sodium	Total	72900	ug/l			
OC-04		7/16/2008	9:40:00	Water	Sodium	Dissolved	51200	ug/l			
OC-04		7/16/2008	9:40:00	Water	Sodium	Total	54200	ug/l			
OC-04		8/19/2008	11:00:00	Water	Sodium	Dissolved	54300	ug/l			
OC-04		8/19/2008	11:00:00	Water	Sodium	Total	55800	ug/l			
OC-04		9/29/2008	10:00:00	Water	Sodium	Dissolved	49000	ug/l			
OC-04		9/29/2008	10:00:00	Water	Sodium	Total	52000	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Sodium	Total	46800	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Sodium	Total	23600	ug/l			
OCF-96		9/8/2008	8:00:00	Water	Sodium	Total	29600	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Sodium	Total	14100	ug/l			
OC-04		7/16/2008	9:40:00	Water	Solids, suspended, volatile	Total	5	mg/l			
OC-04		8/19/2008	11:00:00	Water	Solids, suspended, volatile	Total	5	mg/l			
OC-04		9/29/2008	10:00:00	Water	Solids, suspended, volatile	Total	7	mg/l			
OC-95		7/22/2008	9:20:00	Water	Solids, suspended, volatile	Total	10	mg/l			
OC-95		7/29/2008	10:53:00	Water	Solids, suspended, volatile	Total	7	mg/l			
OC-95		9/8/2008	9:20:00	Water	Solids, suspended, volatile	Total	ND	mg/l	ND		
OC-95		9/15/2008	10:00:00	Water	Solids, suspended, volatile	Total	11	mg/l			
OCF-96		7/22/2008	8:10:00	Water	Solids, suspended, volatile	Total	7	mg/l			
OCF-96		7/29/2008	9:45:00	Water	Solids, suspended, volatile	Total	4	mg/l			
OCF-96		9/8/2008	8:00:00	Water	Solids, suspended, volatile	Total	4	mg/l			
OCF-96		9/15/2008	9:00:00	Water	Solids, suspended, volatile	Total	7	mg/l			
OC-04		7/16/2008	9:40:00	Water	Solids, Total Suspended (TSS)	Total	32	mg/l			
OC-04		8/19/2008	11:00:00	Water	Solids, Total Suspended (TSS)	Total	24	mg/l			
OC-04		9/29/2008	10:00:00	Water	Solids, Total Suspended (TSS)	Total	25	mg/l			
OC-95		7/22/2008	9:20:00	Water	Solids, Total Suspended (TSS)	Total	67	mg/l			
OC-95		7/29/2008	10:53:00	Water	Solids, Total Suspended (TSS)	Total	31	mg/l			
OC-95		9/8/2008	9:20:00	Water	Solids, Total Suspended (TSS)	Total	8	mg/l			
OC-95		9/15/2008	10:00:00	Water	Solids, Total Suspended (TSS)	Total	65	mg/l			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OCF-96		7/22/2008	8:10:00	Water	Solids, Total Suspended (TSS)	Total	28	mg/l			
OCF-96		7/29/2008	9:45:00	Water	Solids, Total Suspended (TSS)	Total	12	mg/l			
OCF-96		9/8/2008	8:00:00	Water	Solids, Total Suspended (TSS)	Total	4	mg/l	J3		
OCF-96		9/15/2008	9:00:00	Water	Solids, Total Suspended (TSS)	Total	39	mg/l			
OC-04		10/4/2007	11:00:00	Water	Strontium	Dissolved	203	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Strontium	Total	205	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Strontium	Dissolved	267	ug/l			
OC-04		7/16/2008	9:40:00	Water	Strontium	Total	286	ug/l			
OC-04		8/19/2008	11:00:00	Water	Strontium	Dissolved	207	ug/l			
OC-04		8/19/2008	11:00:00	Water	Strontium	Total	211	ug/l			
OC-04		9/29/2008	10:00:00	Water	Strontium	Dissolved	223	ug/l			
OC-04		9/29/2008	10:00:00	Water	Strontium	Total	232	ug/l			
OCF-96		7/22/2008	8:10:00	Water	Strontium	Total	179	ug/l			
OCF-96		7/29/2008	9:45:00	Water	Strontium	Total	122	ug/l	#		
OCF-96		9/8/2008	8:00:00	Water	Strontium	Total	153	ug/l			
OCF-96		9/15/2008	9:00:00	Water	Strontium	Total	101	ug/l			
OC-04		7/16/2008	9:40:00	Water	Sulfate	Total	150	mg/l	L		
OC-04		8/19/2008	11:00:00	Water	Sulfate	Total	73.5	mg/l	J3,Q		
OC-04		9/29/2008	10:00:00	Water	Sulfate	Total	113	mg/l			
OC-04		7/16/2008	9:40:00	Water	Temperature, sample		3	deg C			
OC-04		7/16/2008	9:40:00	Water	Temperature, sample		3	deg C			
OC-04		8/19/2008	11:00:00	Water	Temperature, sample		1	deg C			
OC-04		8/19/2008	11:00:00	Water	Temperature, sample		1	deg C			
OC-04		9/29/2008	10:00:00	Water	Temperature, sample		2	deg C			
OC-04		9/29/2008	10:00:00	Water	Temperature, sample		2	deg C			
OC-95		7/22/2008	9:20:00	Water	Temperature, sample		2	deg C			
OC-95		7/29/2008	10:53:00	Water	Temperature, sample		4	deg C			
OC-95		9/8/2008	9:20:00	Water	Temperature, sample		1	deg C			
OC-95		9/15/2008	10:00:00	Water	Temperature, sample		1	deg C			
OCF-96		7/22/2008	8:10:00	Water	Temperature, sample		2	deg C			
OCF-96		7/29/2008	9:45:00	Water	Temperature, sample		4	deg C			
OCF-96		9/8/2008	8:00:00	Water	Temperature, sample		1	deg C			
OCF-96		9/15/2008	9:00:00	Water	Temperature, sample		1	deg C			
O-20	O 20	29-Oct-02		Water	Temperature, Water		14	mg/L			
O-20	O 20	26-Nov-02		Water	Temperature, Water		6	mg/L			
O-30	O 30	4-Jan-90	1000	Water	Temperature, Water		0.5	mg/L			
O-30	O 30	1-Feb-90	1000	Water	Temperature, Water		5.8	mg/L			
O-30	O 30	19-Mar-90	1000	Water	Temperature, Water		12.7	mg/L			
O-30	O 30	25-Apr-90	1000	Water	Temperature, Water		18.2	mg/L			
O-30	O 30	6-Jun-90	1000	Water	Temperature, Water		19.1	mg/L			
O-30	O 30	17-Jul-90	1000	Water	Temperature, Water		24.7	mg/L			
O-30	O 30	12-Sep-90	1000	Water	Temperature, Water		26.3	mg/L			
O-30	O 30	23-Oct-90	1000	Water	Temperature, Water		15	mg/L			
O-30	O 30	10-Dec-90	1000	Water	Temperature, Water		5.4	mg/L			
O-30	O 30	14-Jan-91	1000	Water	Temperature, Water		0.6	mg/L			
O-30	O 30	27-Feb-91	1000	Water	Temperature, Water		3.4	mg/L			
O-30	O 30	1-Apr-91	1000	Water	Temperature, Water		12	mg/L			
O-30	O 30	15-May-91	1000	Water	Temperature, Water		21.4	mg/L			
O-30	O 30	18-Jun-91	1000	Water	Temperature, Water		27.7	mg/L			
O-30	O 30	1-Aug-91	1000	Water	Temperature, Water		27.7	mg/L			
O-30	O 30	24-Sep-91	1000	Water	Temperature, Water		22	mg/L			
O-30	O 30	12-Nov-91	1000	Water	Temperature, Water		7.1	mg/L			
O-30	O 30	17-Dec-91	1000	Water	Temperature, Water		6.3	mg/L			
O-30	O 30	13-Jan-92	1000	Water	Temperature, Water		4.8	mg/L			
O-30	O 30	18-Feb-92	1000	Water	Temperature, Water		5.6	mg/L			
O-30	O 30	30-Mar-92	1000	Water	Temperature, Water		9.9	mg/L			
O-30	O 30	29-Apr-92	1000	Water	Temperature, Water		14.5	mg/L			
O-30	O 30	11-Jun-92	1000	Water	Temperature, Water		22.7	mg/L			
O-30	O 30	13-Aug-92	1000	Water	Temperature, Water		27	mg/L			
O-30	O 30	15-Sep-92	1000	Water	Temperature, Water		24.6	mg/L			
O-30	O 30	2-Nov-92	700	Water	Temperature, Water		15.7	mg/L			
O-30	O 30	3-Dec-92	1000	Water	Temperature, Water		5.5	mg/L			
O-30	O 30	14-Jan-93	1000	Water	Temperature, Water		1	mg/L			
O-30	O 30	24-Feb-93	1000	Water	Temperature, Water		0.8	mg/L			
O-30	O 30	27-Apr-93	1100	Water	Temperature, Water		15.7	mg/L			
O-30	O 30	24-May-93	1000	Water	Temperature, Water		18.5	mg/L			
O-30	O 30	23-Jun-93	1000	Water	Temperature, Water		26.1	mg/L			
O-30	O 30	9-Aug-93	1000	Water	Temperature, Water		26.1	mg/L			
O-30	O 30	20-Sep-93	1000	Water	Temperature, Water		20.8	mg/L			
O-30	O 30	6-Oct-93	1000	Water	Temperature, Water		16.7	mg/L			
O-30	O 30	23-Nov-93	1000	Water	Temperature, Water		7.1	mg/L			
O-30	O 30	31-Jan-94	1000	Water	Temperature, Water		1.1	mg/L			
O-30	O 30	28-Feb-94	1000	Water	Temperature, Water		2.6	mg/L			
O-30	O 30	30-Mar-94	1000	Water	Temperature, Water		10	mg/L			
O-30	O 30	18-May-94	1000	Water	Temperature, Water		20.3	mg/L			
O-30	O 30	2-Jun-94	1000	Water	Temperature, Water		22.8	mg/L			
O-30	O 30	13-Jul-94	900	Water	Temperature, Water		27.6	mg/L			
O-30	O 30	28-Sep-94	900	Water	Temperature, Water		20.8	mg/L			
O-30	O 30	9-Nov-94	1000	Water	Temperature, Water		15.3	mg/L			
O-30	O 30	14-Dec-94	1000	Water	Temperature, Water		5.8	mg/L			
O-30	O 30	18-Jan-95	1000	Water	Temperature, Water		3.5	mg/L			
O-30	O 30	16-Feb-95	1000	Water	Temperature, Water		1.6	mg/L			
O-30	O 30	22-Mar-95	1100	Water	Temperature, Water		12	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	15-May-95	1000	Water	Temperature, Water		19.7	mg/L			
O-30	O 30	14-Jun-95	1000	Water	Temperature, Water		23.1	mg/L			
O-30	O 30	21-Jul-95	1000	Water	Temperature, Water		27	mg/L			
O-30	O 30	5-Sep-95	1000	Water	Temperature, Water		28.2	mg/L			
O-30	O 30	7-Nov-95	900	Water	Temperature, Water		12.6	mg/L			
O-30	O 30	13-Dec-95	1000	Water	Temperature, Water		3.1	mg/L			
O-30	O 30	24-Jan-96	1000	Water	Temperature, Water		1.4	mg/L			
O-30	O 30	20-Feb-96	1000	Water	Temperature, Water		2.8	mg/L			
O-30	O 30	27-Mar-96	1000	Water	Temperature, Water		7.5	mg/L			
O-30	O 30	24-Apr-96	1000	Water	Temperature, Water		14.8	mg/L			
O-30	O 30	3-Jun-96	1000	Water	Temperature, Water		22.4	mg/L			
O-30	O 30	15-Jul-96	1000	Water	Temperature, Water		26.1	mg/L			
O-30	O 30	26-Aug-96	1000	Water	Temperature, Water		28.1	mg/L			
O-30	O 30	16-Oct-96	900	Water	Temperature, Water		19	mg/L			
O-30	O 30	13-Nov-96	900	Water	Temperature, Water		9.3	mg/L			
O-30	O 30	13-Jan-97	900	Water	Temperature, Water		1.6	mg/L			
O-30	O 30	19-Feb-97	900	Water	Temperature, Water		7	mg/L			
O-30	O 30	31-Mar-97	900	Water	Temperature, Water		13.6	mg/L			
O-30	O 30	3-Jun-97	1000	Water	Temperature, Water		18.9	mg/L			
O-30	O 30	7-Jul-97	900	Water	Temperature, Water		27.1	mg/L			
O-30	O 30	12-Aug-97	900	Water	Temperature, Water		27.2	mg/L			
O-30	O 30	10-Sep-97	900	Water	Temperature, Water		24.9	mg/L			
O-30	O 30	12-Nov-97	900	Water	Temperature, Water		11.4	mg/L			
O-30	O 30	10-Dec-97	900	Water	Temperature, Water		7.2	mg/L			
O-30	O 30	15-Jan-98	900	Water	Temperature, Water		4.3	mg/L			
O-30	O 30	17-Feb-98	900	Water	Temperature, Water		8.5	mg/L			
O-30	O 30	26-Mar-98	900	Water	Temperature, Water		12.9	mg/L			
O-30	O 30	11-May-98	900	Water	Temperature, Water		18.3	mg/L			
O-30	O 30	8-Jun-98	900	Water	Temperature, Water		18.5	mg/L			
O-30	O 30	15-Jul-98	900	Water	Temperature, Water		26.7	mg/L			
O-30	O 30	24-Aug-98	900	Water	Temperature, Water		27.1	mg/L			
O-30	O 30	7-Oct-98	900	Water	Temperature, Water		21	mg/L			
O-30	O 30	18-Nov-98	900	Water	Temperature, Water		11.3	mg/L			
O-30	O 30	27-Jan-99		Water	Temperature, Water		9.8	mg/L			
O-30	O 30	16-Feb-99		Water	Temperature, Water		9.7	mg/L			
O-30	O 30	7-Apr-99		Water	Temperature, Water		17.6	mg/L			
O-30	O 30	11-May-99		Water	Temperature, Water		21	mg/L			
O-30	O 30	16-Jun-99		Water	Temperature, Water		24	mg/L			
O-30	O 30	6-Aug-99		Water	Temperature, Water		30	mg/L			
O-30	O 30	20-Sep-99		Water	Temperature, Water		23	mg/L			
O-30	O 30	2-Nov-99		Water	Temperature, Water		13.5	mg/L			
O-30	O 30	13-Dec-99		Water	Temperature, Water		10.2	mg/L			
O-30	O 30	1-Feb-00		Water	Temperature, Water		3.8	mg/L			
O-30	O 30	9-Mar-00		Water	Temperature, Water		13.7	mg/L			
O-30	O 30	20-Apr-00		Water	Temperature, Water		19.7	mg/L			
O-30	O 30	18-May-00		Water	Temperature, Water		22.5	mg/L			
O-30	O 30	15-Jun-00		Water	Temperature, Water		25.3	mg/L			
O-30	O 30	27-Jul-00		Water	Temperature, Water		26.3	mg/L			
O-30	O 30	25-Sep-00		Water	Temperature, Water		20.1	mg/L			
O-30	O 30	2-Nov-00		Water	Temperature, Water		17.6	mg/L			
O-30	O 30	6-Dec-00		Water	Temperature, Water		2.9	mg/L			
O-30	O 30	24-Jan-01		Water	Temperature, Water		3.4	mg/L			
O-30	O 30	13-Feb-01		Water	Temperature, Water		5.2	mg/L			
O-30	O 30	21-Mar-01		Water	Temperature, Water		10.2	mg/L			
O-30	O 30	4-Jun-01		Water	Temperature, Water		20.1	mg/L			
O-30	O 30	17-Jul-01		Water	Temperature, Water		27	mg/L			
O-30	O 30	21-Aug-01		Water	Temperature, Water		27.3	mg/L			
O-30	O 30	9-Oct-01		Water	Temperature, Water		18.2	mg/L			
O-30	O 30	14-Nov-01		Water	Temperature, Water		13.6	mg/L			
O-30	O 30	8-Jan-02		Water	Temperature, Water		2.3	mg/L			
O-30	O 30	13-Feb-02		Water	Temperature, Water		6.3	mg/L			
O-30	O 30	27-Mar-02		Water	Temperature, Water		10.2	mg/L			
O-30	O 30	1-May-02		Water	Temperature, Water		16.6	mg/L			
O-30	O 30	19-Jun-02		Water	Temperature, Water		24.2	mg/L			
O-30	O 30	22-Jul-02		Water	Temperature, Water		27.6	mg/L			
O-30	O 30	29-Aug-02		Water	Temperature, Water		26.9	mg/L			
O-30	O 30	29-Oct-02		Water	Temperature, Water		14.6	mg/L			
O-30	O 30	19-Dec-02		Water	Temperature, Water		7.5	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	Temperature, Water		22.7	mg/L			
OB-03	OB 03	19-Jun-02		Water	Temperature, Water		21	mg/L			
OB-03	OB 03	9-Jul-02		Water	Temperature, Water		25.5	mg/L			
OB-03	OB 03	27-Aug-02		Water	Temperature, Water		23.9	mg/L			
OC-04	OC 04	29-Jan-90	1000	Water	Temperature, Water		4.8	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	Temperature, Water		7.5	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	Temperature, Water		19.5	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	Temperature, Water		17.3	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	Temperature, Water		26.9	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	Temperature, Water		26.5	mg/L			
OC-04	OC 04	1-Oct-90	1100	Water	Temperature, Water		16.6	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	Temperature, Water		9	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	Temperature, Water		2.8	mg/L			
OC-04	OC 04	5-Mar-91	1000	Water	Temperature, Water		5.4	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	Temperature, Water		13.5	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	22-May-91	1000	Water	Temperature, Water		22.4	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	Temperature, Water		22.1	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	Temperature, Water		25.2	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	Temperature, Water		25.5	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	Temperature, Water		10.7	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	Temperature, Water		10.7	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	Temperature, Water		5.5	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	Temperature, Water		4.3	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	Temperature, Water		8.3	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	Temperature, Water		15.6	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	Temperature, Water		18.2	mg/L			
OC-04	OC 04	21-Jul-92	1000	Water	Temperature, Water		23.9	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	Temperature, Water		24	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	Temperature, Water		13.4	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	Temperature, Water		10.9	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	Temperature, Water		5.7	mg/L			
OC-04	OC 04	3-Feb-93	1000	Water	Temperature, Water		3.7	mg/L			
OC-04	OC 04	6-Apr-93	1200	Water	Temperature, Water		8.9	mg/L			
OC-04	OC 04	4-May-93	1200	Water	Temperature, Water		16.4	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	Temperature, Water		16.2	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	Temperature, Water		22.9	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	Temperature, Water		23	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	Temperature, Water		15.9	mg/L			
OC-04	OC 04	17-Nov-93	1000	Water	Temperature, Water		9	mg/L			
OC-04	OC 04	4-Jan-94	1000	Water	Temperature, Water		3	mg/L			
OC-04	OC 04	7-Feb-94	1000	Water	Temperature, Water		3.4	mg/L			
OC-04	OC 04	24-Mar-94	1000	Water	Temperature, Water		14.5	mg/L			
OC-04	OC 04	26-Apr-94	1100	Water	Temperature, Water		19.5	mg/L			
OC-04	OC 04	26-May-94	1000	Water	Temperature, Water		20.2	mg/L			
OC-04	OC 04	29-Jun-94	1100	Water	Temperature, Water		23.5	mg/L			
OC-04	OC 04	14-Sep-94	1100	Water	Temperature, Water		22	mg/L			
OC-04	OC 04	20-Oct-94	1100	Water	Temperature, Water		16.6	mg/L			
OC-04	OC 04	21-Nov-94	1000	Water	Temperature, Water		11	mg/L			
OC-04	OC 04	19-Jan-95	1000	Water	Temperature, Water		3.4	mg/L			
OC-04	OC 04	1-Mar-95	1000	Water	Temperature, Water		4.3	mg/L			
OC-04	OC 04	4-Apr-95	1000	Water	Temperature, Water		10.8	mg/L			
OC-04	OC 04	16-May-95	1000	Water	Temperature, Water		17.5	mg/L			
OC-04	OC 04	11-Jul-95	1000	Water	Temperature, Water		23.7	mg/L			
OC-04	OC 04	23-Aug-95	1000	Water	Temperature, Water		24.2	mg/L			
OC-04	OC 04	18-Sep-95	1000	Water	Temperature, Water		18.5	mg/L			
OC-04	OC 04	2-Nov-95	1000	Water	Temperature, Water		14.8	mg/L			
OC-04	OC 04	4-Dec-95	1000	Water	Temperature, Water		8	mg/L			
OC-04	OC 04	16-Jan-96	1000	Water	Temperature, Water		3.6	mg/L			
OC-04	OC 04	7-Feb-96	1000	Water	Temperature, Water		0.3	mg/L			
OC-04	OC 04	2-Apr-96	1000	Water	Temperature, Water		9.4	mg/L			
OC-04	OC 04	8-May-96	1000	Water	Temperature, Water		17.5	mg/L			
OC-04	OC 04	27-Jun-96	1300	Water	Temperature, Water		23.9	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	Temperature, Water		22.4	mg/L			
OC-04	OC 04	19-Aug-96	1000	Water	Temperature, Water		23.6	mg/L			
OC-04	OC 04	24-Oct-96	1000	Water	Temperature, Water		10.8	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	Temperature, Water		7.5	mg/L			
OC-04	OC 04	7-Jan-97	1000	Water	Temperature, Water		2.5	mg/L			
OC-04	OC 04	10-Feb-97	1000	Water	Temperature, Water		4.2	mg/L			
OC-04	OC 04	27-Mar-97	1000	Water	Temperature, Water		12.8	mg/L			
OC-04	OC 04	7-May-97	1000	Water	Temperature, Water		17.6	mg/L			
OC-04	OC 04	5-Jun-97	1000	Water	Temperature, Water		17	mg/L			
OC-04	OC 04	15-Jul-97	1000	Water	Temperature, Water		25.5	mg/L			
OC-04	OC 04	20-Aug-97	1000	Water	Temperature, Water		21.3	mg/L			
OC-04	OC 04	6-Oct-97	1000	Water	Temperature, Water		20.4	mg/L			
OC-04	OC 04	13-Nov-97	1000	Water	Temperature, Water		7	mg/L			
OC-04	OC 04	6-Jan-98	1000	Water	Temperature, Water		12.1	mg/L			
OC-04	OC 04	9-Feb-98	1000	Water	Temperature, Water		6.3	mg/L			
OC-04	OC 04	23-Mar-98	1000	Water	Temperature, Water		10.1	mg/L			
OC-04	OC 04	28-Apr-98	1000	Water	Temperature, Water		13	mg/L			
OC-04	OC 04	25-Jun-98	1200	Water	Temperature, Water		27	mg/L			
OC-04	OC 04	19-Aug-98	1000	Water	Temperature, Water		25	mg/L			
OC-04	OC 04	23-Sep-98	1000	Water	Temperature, Water		19	mg/L			
OC-04	OC 04	28-Oct-98	1000	Water	Temperature, Water		18.1	mg/L			
OC-04	OC 04	9-Dec-98	1000	Water	Temperature, Water		7.8	mg/L			
OC-04	OC 04	1-Feb-99		Water	Temperature, Water		10.2	mg/L			
OC-04	OC 04	3-Mar-99		Water	Temperature, Water		8.2	mg/L			
OC-04	OC 04	1-Apr-99		Water	Temperature, Water		13.5	mg/L			
OC-04	OC 04	12-May-99		Water	Temperature, Water		20.9	mg/L			
OC-04	OC 04	9-Jun-99		Water	Temperature, Water		24.1	mg/L			
OC-04	OC 04	5-Aug-99		Water	Temperature, Water		24.7	mg/L			
OC-04	OC 04	15-Sep-99		Water	Temperature, Water		19.6	mg/L			
OC-04	OC 04	3-Nov-99		Water	Temperature, Water		9.3	mg/L			
OC-04	OC 04	18-Jan-00		Water	Temperature, Water		4.8	mg/L			
OC-04	OC 04	10-Feb-00		Water	Temperature, Water		9.6	mg/L			
OC-04	OC 04	26-Apr-00		Water	Temperature, Water		14.3	mg/L			
OC-04	OC 04	29-Jun-00		Water	Temperature, Water		21.7	mg/L			
OC-04	OC 04	18-Jul-00		Water	Temperature, Water		24.9	mg/L			
OC-04	OC 04	27-Sep-00		Water	Temperature, Water		15.2	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	8-Nov-00		Water	Temperature, Water		13.6	mg/L			
OC-04	OC 04	4-Dec-00		Water	Temperature, Water		3	mg/L			
OC-04	OC 04	11-Jan-01		Water	Temperature, Water		1.2	mg/L			
OC-04	OC 04	12-Mar-01		Water	Temperature, Water		9	mg/L			
OC-04	OC 04	4-Apr-01		Water	Temperature, Water		12	mg/L			
OC-04	OC 04	7-May-01		Water	Temperature, Water		19.5	mg/L			
OC-04	OC 04	8-Aug-01		Water	Temperature, Water		26.6	mg/L			
OC-04	OC 04	13-Sep-01		Water	Temperature, Water		21.1	mg/L			
OC-04	OC 04	5-Nov-01		Water	Temperature, Water		13.8	mg/L			
OC-04	OC 04	6-Dec-01		Water	Temperature, Water		13	mg/L			
OC-04	OC 04	16-Jan-02		Water	Temperature, Water		4.7	mg/L			
OC-04	OC 04	4-Mar-02		Water	Temperature, Water		2	mg/L			
OC-04	OC 04	1-Apr-02		Water	Temperature, Water		13.1	mg/L			
OC-04	OC 04	8-May-02		Water	Temperature, Water		19.2	mg/L			
OC-04	OC 04	20-Jun-02		Water	Temperature, Water		24	mg/L			
OC-04	OC 04	11-Jul-02		Water	Temperature, Water		25.2	mg/L			
OC-04	OC 04	20-Aug-02		Water	Temperature, Water		24.3	mg/L			
OC-04	OC 04	3-Oct-02		Water	Temperature, Water		23.1	mg/L			
OC-04	OC 04	26-Nov-02		Water	Temperature, Water		5.2	mg/L			
OC-95	OC-SW-A1	8-Aug-96	745	Water	Temperature, Water		25	deg c			
OC-95	OC-SW-E1	8-Aug-96	800	Water	Temperature, Water		25	deg c			
OC-95	OC-SW-C1	8-Aug-96	815	Water	Temperature, Water		25	deg c			
OC-95	OC-SW-C2	8-Aug-96	840	Water	Temperature, Water		25	deg c			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	Temperature, Water		25	deg c			
OC-95	OC-SW-C5	8-Aug-96	920	Water	Temperature, Water		26	deg c			
OCF	OCF-FB-A1	2-Aug-96	840	Water	Temperature, Water		22	deg c			
OCF	OCF-FB-E1	2-Aug-96	855	Water	Temperature, Water		24	deg c			
OCF	OCF-FB-C1	2-Aug-96	920	Water	Temperature, Water		24	deg c			
OCF	OCF-FB-C2	2-Aug-96	950	Water	Temperature, Water		23	deg c			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	Temperature, Water		24	deg c			
OE-02	OE 04	10-Jul-96	900	Water	Temperature, Water		22.3	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	Temperature, Water		4.5	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.4	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.6	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.4	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.7	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.2	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.1	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23.7	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		24	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		23	deg c			
ROV	ROV-1	4-Aug-92	900	Water	Temperature, Water		22.9	deg c			
OB 03	OB 03	15-Nov-96	1200	Water	Temperature, Water		4	deg c			
OC-95	OC-BV-A2	8-Aug-96	945	Water	Temperature, Water		26	deg c			
ROV	ROV-3	23-Aug-99	15:00	Water	TEMPERATURE, WATER deg C		28.4	deg. C.			
ROV	ROV-3	23-Aug-99	15:00	Water	TEMPERATURE, WATER deg C		26.9	deg. C.			
ROV	ROV-3	30-Apr-99	14:00	Water	TEMPERATURE, WATER deg C		21.1	deg. C.			
ROV	ROV-3	30-Apr-99	14:00	Water	TEMPERATURE, WATER deg C		21	deg. C.			
ROV	ROV-3	13-Oct-99	15:00	Water	TEMPERATURE, WATER deg C		21.4	deg. C.			
ROV	ROV-3	13-Oct-99	15:00	Water	TEMPERATURE, WATER deg C		21.1	deg. C.			
ROV	ROV-3	30-Apr-99	14:00	Water	TEMPERATURE, WATER deg C		21	deg. C.			
ROV	ROV-3	08-Jun-99	15:05	Water	TEMPERATURE, WATER deg C		27.7	deg. C.			
ROV	ROV-3	08-Jun-99	15:05	Water	TEMPERATURE, WATER deg C		30.1	deg. C.			
ROV	ROV-3	08-Jun-99	15:05	Water	TEMPERATURE, WATER deg C		29.4	deg. C.			
ROV	ROV-3	22-Jul-99	13:45	Water	TEMPERATURE, WATER deg C		33.3	deg. C.			
ROV	ROV-3	22-Jul-99	13:45	Water	TEMPERATURE, WATER deg C		32.5	deg. C.			
ROV	ROV-3	22-Jul-99	13:45	Water	TEMPERATURE, WATER deg C		32.4	deg. C.			
OC-04		1/3/2005	13:40	Water	TEMPERATURE, WATER deg C		11.2	Deg C			
OC-04		2/3/2005	13:00	Water	TEMPERATURE, WATER deg C		4.5	Deg C			
OC-04		3/7/2005	13:00	Water	TEMPERATURE, WATER deg C		11.2	Deg C			
OC-04		4/6/2005	9:30	Water	TEMPERATURE, WATER deg C		16.1	Deg C			
OC-04		5/13/2005	11:00	Water	TEMPERATURE, WATER deg C		22.5	Deg C			
OC-04		6/29/2005	12:00	Water	TEMPERATURE, WATER deg C		26.8	Deg C			
OC-04		8/31/2005	16:00	Water	TEMPERATURE, WATER deg C		25	Deg C			
OC-04		9/20/2005	15:00	Water	TEMPERATURE, WATER deg C		22.2	Deg C			
OC-04		10/24/2005	13:30	Water	TEMPERATURE, WATER deg C		11.5	Deg C			
OC-04		11/9/2005	10:30	Water	TEMPERATURE, WATER deg C		16.9	Deg C			
OC-04		1/26/2006	11:00	Water	TEMPERATURE, WATER deg C		3.6	Deg C			
OC-04		2/21/2006	14:00	Water	TEMPERATURE, WATER deg C		3.7	Deg C			
OC-04		4/5/2006	13:30	Water	TEMPERATURE, WATER deg C		13.8	Deg C			
OC-04		5/11/2006	14:00	Water	TEMPERATURE, WATER deg C		15.7	Deg C			
OC-04		6/28/2006	10:45	Water	TEMPERATURE, WATER deg C		21.29	Deg C			
OC-04		8/29/2006	13:00	Water	TEMPERATURE, WATER deg C		23.7	Deg C			
OC-04		10/3/2006	13:30	Water	TEMPERATURE, WATER deg C		21	Deg C			
OC-04		10/30/2006	14:00	Water	TEMPERATURE, WATER deg C		12.8	Deg C			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04		11/28/2006	12:40	Water	TEMPERATURE, WATER deg C		13.1	Deg C			
OC-04		1/22/2007	13:10	Water	TEMPERATURE, WATER deg C		3.6	Deg C			
OC-04		5/8/2007	10:30	Water	TEMPERATURE, WATER deg C		20.7	Deg C			
OC-04		6/18/2007	9:15	Water	TEMPERATURE, WATER deg C		24	Deg C			
OC-04		6/25/2007	12:00	Water	TEMPERATURE, WATER deg C		24.4	Deg C			
OC-04		8/2/2007	9:00	Water	TEMPERATURE, WATER deg C		24.1	Deg C			
OC-04		8/9/2007	10:00	Water	TEMPERATURE, WATER deg C		27.4	Deg C			
OC-04		9/10/2007	9:40	Water	TEMPERATURE, WATER deg C		22.5	Deg C			
OC-04		9/17/2007	10:53	Water	TEMPERATURE, WATER deg C		17.8	Deg C			
OC-04		10/4/2007	11:00	Water	TEMPERATURE, WATER deg C		19.9	Deg C			
OC-04		5/27/2008	11:21	Water	TEMPERATURE, WATER deg C		20.6	Deg C			
OC-04		7/16/2008	9:40	Water	TEMPERATURE, WATER deg C		24.1	Deg C			
O-30	O 30	27-Jan-99		Water	Total Phosphorus		0.45	mg/L			
O-30	O 30	16-Feb-99		Water	Total Phosphorus		0.3	mg/L			
O-30	O 30	7-Apr-99		Water	Total Phosphorus		0.38	mg/L			
O-30	O 30	11-May-99		Water	Total Phosphorus		0.15	mg/L			
O-30	O 30	16-Jun-99		Water	Total Phosphorus		0.4	mg/L			
O-30	O 30	6-Aug-99		Water	Total Phosphorus		0.2	mg/L			
O-30	O 30	20-Sep-99		Water	Total Phosphorus		0.09	mg/L			
O-30	O 30	2-Nov-99		Water	Total Phosphorus		0.07	mg/L			
O-30	O 30	13-Dec-99		Water	Total Phosphorus		0.09	mg/L			
O-30	O 30	1-Feb-00		Water	Total Phosphorus		0.09	mg/L			
O-30	O 30	9-Mar-00		Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	20-Apr-00		Water	Total Phosphorus		0.1	mg/L			
O-30	O 30	18-May-00		Water	Total Phosphorus		0.28	mg/L			
O-30	O 30	15-Jun-00		Water	Total Phosphorus		0.16	mg/L			
O-30	O 30	27-Jul-00		Water	Total Phosphorus		0.24	mg/L			
O-30	O 30	25-Sep-00		Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	2-Nov-00		Water	Total Phosphorus		0.13	mg/L			
O-30	O 30	6-Dec-00		Water	Total Phosphorus		0.19	mg/L			
O-30	O 30	24-Jan-01		Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	13-Feb-01		Water	Total Phosphorus		0.75	mg/L			
O-30	O 30	21-Mar-01		Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	4-Jun-01		Water	Total Phosphorus		0.21	mg/L			
O-30	O 30	17-Jul-01		Water	Total Phosphorus		0.23	mg/L			
O-30	O 30	21-Aug-01		Water	Total Phosphorus		0.16	mg/L			
O-30	O 30	9-Oct-01		Water	Total Phosphorus		0.22	mg/L			
O-30	O 30	14-Nov-01		Water	Total Phosphorus		0.2	mg/L			
O-30	O 30	8-Jan-02		Water	Total Phosphorus		0.24	mg/L			
O-30	O 30	13-Feb-02		Water	Total Phosphorus		0.19	mg/L			
O-30	O 30	27-Mar-02		Water	Total Phosphorus		1.33	mg/L			
O-30	O 30	1-May-02		Water	Total Phosphorus		0.34	mg/L			
O-30	O 30	19-Jun-02		Water	Total Phosphorus		0.25	mg/L			
O-30	O 30	22-Jul-02		Water	Total Phosphorus		0.21	mg/L			
O-30	O 30	29-Aug-02		Water	Total Phosphorus		0.28	mg/L			
O-30	O-30	26-Feb-04	0.541666667	Water	Total Phosphorus		0.192	mg/L			
O-30	O-30	26-May-04	0.458333333	Water	Total Phosphorus		0.386	mg/L			
O-30	O-30	23-Jun-04	0.479166667	Water	Total Phosphorus		0.353	mg/L			
O-30	O-30	9-Sep-04	0.479166667	Water	Total Phosphorus		0.054	mg/L			
O-30	O-30	10-Mar-05	0.479166667	Water	Total Phosphorus		0.185	mg/L			
O-30	O-30	20-May-05	0.447916667	Water	Total Phosphorus		0.094	mg/L			
O-30	O-30	22-Jun-05	0.420138889	Water	Total Phosphorus		0.107	mg/L			
O-30	O-30	15-Aug-05	0.458333333	Water	Total Phosphorus		0.229	mg/L			
O-30	O-30	21-Sep-05	0.5	Water	Total Phosphorus		0.199	mg/L			
O-30	O-30	12-Oct-05	0.416666667	Water	Total Phosphorus		0.377	mg/L			
O-30	O-30	1-Dec-05	0.416666667	Water	Total Phosphorus		0.556	mg/L			
O-30	O 30	4-Jan-90	1000	Water	Total Phosphorus		0.15	mg/L			
O-30	O 30	1-Feb-90	1000	Water	Total Phosphorus		0.34	mg/L			
O-30	O 30	19-Mar-90	1000	Water	Total Phosphorus		0.14	mg/L			
O-30	O 30	25-Apr-90	1000	Water	Total Phosphorus		0.31	mg/L			
O-30	O 30	6-Jun-90	1000	Water	Total Phosphorus		0.443	mg/L			
O-30	O 30	17-Jul-90	1000	Water	Total Phosphorus		0.2	mg/L			
O-30	O 30	12-Sep-90	1000	Water	Total Phosphorus		0.16	mg/L			
O-30	O 30	23-Oct-90	1000	Water	Total Phosphorus		0.48	mg/L			
O-30	O 30	10-Dec-90	1000	Water	Total Phosphorus		0.242	mg/L			
O-30	O 30	14-Jan-91	1000	Water	Total Phosphorus		0.36	mg/L			
O-30	O 30	27-Feb-91	1000	Water	Total Phosphorus		0.19	mg/L			
O-30	O 30	1-Apr-91	1000	Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	15-May-91	1000	Water	Total Phosphorus		0.16	mg/L			
O-30	O 30	18-Jun-91	1000	Water	Total Phosphorus		0.16	mg/L			
O-30	O 30	1-Aug-91	1000	Water	Total Phosphorus		0.3	mg/L			
O-30	O 30	24-Sep-91	1000	Water	Total Phosphorus		0.17	mg/L			
O-30	O 30	12-Nov-91	1000	Water	Total Phosphorus		0.47	mg/L			
O-30	O 30	17-Dec-91	1000	Water	Total Phosphorus		0.25	mg/L			
O-30	O 30	13-Jan-92	1000	Water	Total Phosphorus		0.33	mg/L			
O-30	O 30	18-Feb-92	1000	Water	Total Phosphorus		0.3	mg/L			
O-30	O 30	30-Mar-92	1000	Water	Total Phosphorus		0.25	mg/L			
O-30	O 30	29-Apr-92	1000	Water	Total Phosphorus		0.23	mg/L			
O-30	O 30	11-Jun-92	1000	Water	Total Phosphorus		0.275	mg/L			
O-30	O 30	13-Aug-92	1000	Water	Total Phosphorus		0.21	mg/L			
O-30	O 30	15-Sep-92	1000	Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	2-Nov-92	700	Water	Total Phosphorus		0.11	mg/L			
O-30	O 30	3-Dec-92	1000	Water	Total Phosphorus		0.24	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
O-30	O 30	14-Jan-93	1000	Water	Total Phosphorus		0.34	mg/L			
O-30	O 30	24-Feb-93	1000	Water	Total Phosphorus		0.44	mg/L			
O-30	O 30	27-Apr-93	1100	Water	Total Phosphorus		0.25	mg/L			
O-30	O 30	24-May-93	1000	Water	Total Phosphorus		0.36	mg/L			
O-30	O 30	23-Jun-93	1000	Water	Total Phosphorus		0.21	mg/L			
O-30	O 30	9-Aug-93	1000	Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	20-Sep-93	1000	Water	Total Phosphorus		0.26	mg/L			
O-30	O 30	6-Oct-93	1000	Water	Total Phosphorus		0.36	mg/L			
O-30	O 30	23-Nov-93	1000	Water	Total Phosphorus		0.48	mg/L			
O-30	O 30	31-Jan-94	1000	Water	Total Phosphorus		0.52	mg/L			
O-30	O 30	28-Feb-94	1000	Water	Total Phosphorus		0.24	mg/L			
O-30	O 30	30-Mar-94	1000	Water	Total Phosphorus		0.26	mg/L			
O-30	O 30	18-May-94	1000	Water	Total Phosphorus		0.21	mg/L			
O-30	O 30	2-Jun-94	1000	Water	Total Phosphorus		0.12	mg/L			
O-30	O 30	13-Jul-94	900	Water	Total Phosphorus		0.23	mg/L			
O-30	O 30	28-Sep-94	900	Water	Total Phosphorus		0.14	mg/L			
O-30	O 30	9-Nov-94	1000	Water	Total Phosphorus		0.27	mg/L			
O-30	O 30	14-Dec-94	1000	Water	Total Phosphorus		0.161	mg/L			
O-30	O 30	18-Jan-95	1000	Water	Total Phosphorus		0.46	mg/L			
O-30	O 30	16-Feb-95	1000	Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	22-Mar-95	1100	Water	Total Phosphorus		0.27	mg/L			
O-30	O 30	15-May-95	1000	Water	Total Phosphorus		0.43	mg/L			
O-30	O 30	14-Jun-95	1000	Water	Total Phosphorus		0.38	mg/L			
O-30	O 30	21-Jul-95	1000	Water	Total Phosphorus		0.24	mg/L			
O-30	O 30	5-Sep-95	1000	Water	Total Phosphorus		0.24	mg/L			
O-30	O 30	7-Nov-95	900	Water	Total Phosphorus		0.11	mg/L			
O-30	O 30	13-Dec-95	1000	Water	Total Phosphorus		0.12	mg/L			
O-30	O 30	24-Jan-96	1000	Water	Total Phosphorus		0.638	mg/L			
O-30	O 30	20-Feb-96	1000	Water	Total Phosphorus		0.24	mg/L			
O-30	O 30	27-Mar-96	1000	Water	Total Phosphorus		0.18	mg/L			
O-30	O 30	24-Apr-96	1000	Water	Total Phosphorus		0.9	mg/L			
O-30	O 30	3-Jun-96	1000	Water	Total Phosphorus		0.3	mg/L			
O-30	O 30	15-Jul-96	1000	Water	Total Phosphorus		0.22	mg/L			
O-30	O 30	26-Aug-96	1000	Water	Total Phosphorus		0.15	mg/L			
O-30	O 30	16-Oct-96	900	Water	Total Phosphorus		0.14	mg/L			
O-30	O 30	13-Nov-96	900	Water	Total Phosphorus		0.39	mg/L			
O-30	O 30	13-Jan-97	900	Water	Total Phosphorus		0.13	mg/L			
O-30	O 30	19-Feb-97	900	Water	Total Phosphorus		0.15	mg/L			
O-30	O 30	31-Mar-97	900	Water	Total Phosphorus		0.19	mg/L			
O-30	O 30	3-Jun-97	1000	Water	Total Phosphorus		0.28	mg/L			
O-30	O 30	7-Jul-97	900	Water	Total Phosphorus		0.21	mg/L			
O-30	O 30	12-Aug-97	900	Water	Total Phosphorus		0.16	mg/L			
O-30	O 30	10-Sep-97	900	Water	Total Phosphorus		0.15	mg/L			
O-30	O 30	12-Nov-97	900	Water	Total Phosphorus		0.09	mg/L			
O-30	O 30	10-Dec-97	900	Water	Total Phosphorus		0.17	mg/L			
O-30	O 30	15-Jan-98	900	Water	Total Phosphorus		0.25	mg/L			
O-30	O 30	17-Feb-98	900	Water	Total Phosphorus		0.42	mg/L			
O-30	O 30	26-Mar-98	900	Water	Total Phosphorus		0.47	mg/L			
O-30	O 30	11-May-98	900	Water	Total Phosphorus		0.27	mg/L			
O-30	O 30	8-Jun-98	900	Water	Total Phosphorus		0.51	mg/L			
O-30	O 30	15-Jul-98	900	Water	Total Phosphorus		0.3	mg/L			
O-30	O 30	24-Aug-98	900	Water	Total Phosphorus		0.28	mg/L			
O-30	O 30	7-Oct-98	900	Water	Total Phosphorus		0.25	mg/L			
O-30	O 30	18-Nov-98	900	Water	Total Phosphorus		0.59	mg/L			
OB-03	OB 03	19-Jun-02		Water	Total Phosphorus		0.41	mg/L			
OB-03	OB 03	9-Jul-02		Water	Total Phosphorus		0.21	mg/L			
OB-03	OB 03	27-Aug-02		Water	Total Phosphorus		0.33	mg/L			
OB-03	OB 03	9-Jul-96	1400	Water	Total Phosphorus		0.14	mg/L			
OB-03	OB 03	15-Nov-96	1200	Water	Total Phosphorus		0.45	mg/L			
OC-04	OC 04	1-Feb-99		Water	Total Phosphorus		0.5	mg/L			
OC-04	OC 04	3-Mar-99		Water	Total Phosphorus		0.44	mg/L			
OC-04	OC 04	1-Apr-99		Water	Total Phosphorus		0.38	mg/L			
OC-04	OC 04	12-May-99		Water	Total Phosphorus		0.46	mg/L			
OC-04	OC 04	9-Jun-99		Water	Total Phosphorus		0.72	mg/L			
OC-04	OC 04	5-Aug-99		Water	Total Phosphorus		0.38	mg/L			
OC-04	OC 04	15-Sep-99		Water	Total Phosphorus		1.4	mg/L			
OC-04	OC 04	3-Nov-99		Water	Total Phosphorus		2.6	mg/L			
OC-04	OC 04	18-Jan-00		Water	Total Phosphorus		2.1	mg/L			
OC-04	OC 04	10-Feb-00		Water	Total Phosphorus		1.9	mg/L			
OC-04	OC 04	26-Apr-00		Water	Total Phosphorus		0.82	mg/L			
OC-04	OC 04	29-Jun-00		Water	Total Phosphorus		0.39	mg/L			
OC-04	OC 04	18-Jul-00		Water	Total Phosphorus		0.76	mg/L			
OC-04	OC 04	27-Sep-00		Water	Total Phosphorus		0.59	mg/L			
OC-04	OC 04	8-Nov-00		Water	Total Phosphorus		0.71	mg/L			
OC-04	OC 04	4-Dec-00		Water	Total Phosphorus		0.84	mg/L			
OC-04	OC 04	11-Jan-01		Water	Total Phosphorus		0.86	mg/L			
OC-04	OC 04	12-Mar-01		Water	Total Phosphorus		0.61	mg/L			
OC-04	OC 04	4-Apr-01		Water	Total Phosphorus		0.83	mg/L			
OC-04	OC 04	7-May-01		Water	Total Phosphorus		0.74	mg/L			
OC-04	OC 04	8-Aug-01		Water	Total Phosphorus		0.97	mg/L			
OC-04	OC 04	13-Sep-01		Water	Total Phosphorus		1.3	mg/L			
OC-04	OC 04	5-Nov-01		Water	Total Phosphorus		1	mg/L			
OC-04	OC 04	6-Dec-01		Water	Total Phosphorus		0.69	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	16-Jan-02		Water	Total Phosphorus		0.9	mg/L			
OC-04	OC 04	4-Mar-02		Water	Total Phosphorus		0.71	mg/L			
OC-04	OC 04	1-Apr-02		Water	Total Phosphorus		0.43	mg/L			
OC-04	OC 04	8-May-02		Water	Total Phosphorus		1.4	mg/L			
OC-04	OC 04	20-Jun-02		Water	Total Phosphorus		0.6	mg/L			
OC-04	OC 04	11-Jul-02		Water	Total Phosphorus		1.26	mg/L			
OC-04	OC 04	20-Aug-02		Water	Total Phosphorus		1.59	mg/L			
OC-04	OC-04	26-Feb-04	0.375	Water	Total Phosphorus		0.505	mg/L			
OC-04	OC-04	24-Mar-04	0.145833333	Water	Total Phosphorus		0.576	mg/L			
OC-04	OC-04	6-May-04	0.395833333	Water	Total Phosphorus		0.6	mg/L			
OC-04	OC-04	3-Jan-05	0.569444444	Water	Total Phosphorus		0.187	mg/L			
OC-04	OC-04	13-May-05	0.53125	Water	Total Phosphorus		0.784	mg/L			
OC-04	OC-04	29-Jun-05	0.5	Water	Total Phosphorus		1.552	mg/L			
OC-04	OC-04	31-Aug-05	0.666666667	Water	Total Phosphorus		1.234	mg/L			
OC-04	OC-04	20-Sep-05	0.625	Water	Total Phosphorus		0.668	mg/L			
OC-04	OC-04	24-Oct-05	0.5625	Water	Total Phosphorus		1.04	mg/L			
OC-04	OC-04	5-Nov-05	0.4375	Water	Total Phosphorus		0.863	mg/L			
OC-04	OC 04	29-Jan-90	1000	Water	Total Phosphorus		1.8	mg/L			
OC-04	OC 04	21-Mar-90	1000	Water	Total Phosphorus		1.93	mg/L			
OC-04	OC 04	24-Apr-90	1000	Water	Total Phosphorus		0.59	mg/L			
OC-04	OC 04	4-Jun-90	1000	Water	Total Phosphorus		0.59	mg/L			
OC-04	OC 04	11-Jul-90	1000	Water	Total Phosphorus		1.374	mg/L			
OC-04	OC 04	29-Aug-90	1000	Water	Total Phosphorus		3.5	mg/L			
OC-04	OC 04	1-Oct-90	1100	Water	Total Phosphorus		4.75	mg/L			
OC-04	OC 04	19-Nov-90	1000	Water	Total Phosphorus		3.6	mg/L			
OC-04	OC 04	15-Jan-91	1100	Water	Total Phosphorus		0.62	mg/L			
OC-04	OC 04	5-Mar-91	1000	Water	Total Phosphorus		0.92	mg/L			
OC-04	OC 04	3-Apr-91	1000	Water	Total Phosphorus		0.88	mg/L			
OC-04	OC 04	22-May-91	1000	Water	Total Phosphorus		1.8	mg/L			
OC-04	OC 04	17-Jun-91	1000	Water	Total Phosphorus		1.2	mg/L			
OC-04	OC 04	24-Jul-91	1000	Water	Total Phosphorus		2	mg/L			
OC-04	OC 04	28-Aug-91	1000	Water	Total Phosphorus		2.9	mg/L			
OC-04	OC 04	7-Oct-91	1000	Water	Total Phosphorus		1.6	mg/L			
OC-04	OC 04	21-Nov-91	1000	Water	Total Phosphorus		0.731	mg/L			
OC-04	OC 04	6-Jan-92	1000	Water	Total Phosphorus		0.9	mg/L			
OC-04	OC 04	5-Feb-92	1000	Water	Total Phosphorus		1.3	mg/L			
OC-04	OC 04	24-Mar-92	1000	Water	Total Phosphorus		0.74	mg/L			
OC-04	OC 04	23-Apr-92	1000	Water	Total Phosphorus		0.78	mg/L			
OC-04	OC 04	1-Jun-92	1000	Water	Total Phosphorus		1.7	mg/L			
OC-04	OC 04	21-Jul-92	1000	Water	Total Phosphorus		0.95	mg/L			
OC-04	OC 04	24-Aug-92	1000	Water	Total Phosphorus		2.2	mg/L			
OC-04	OC 04	1-Oct-92	1000	Water	Total Phosphorus		2	mg/L			
OC-04	OC 04	18-Nov-92	1000	Water	Total Phosphorus		1.2	mg/L			
OC-04	OC 04	29-Dec-92	1000	Water	Total Phosphorus		1	mg/L			
OC-04	OC 04	3-Feb-93	1000	Water	Total Phosphorus		0.77	mg/L			
OC-04	OC 04	6-Apr-93	1200	Water	Total Phosphorus		0.47	mg/L			
OC-04	OC 04	4-May-93	1200	Water	Total Phosphorus		0.56	mg/L			
OC-04	OC 04	1-Jun-93	1000	Water	Total Phosphorus		0.62	mg/L			
OC-04	OC 04	10-Aug-93	1000	Water	Total Phosphorus		0.89	mg/L			
OC-04	OC 04	1-Sep-93	1000	Water	Total Phosphorus		1	mg/L			
OC-04	OC 04	5-Oct-93	1000	Water	Total Phosphorus		0.62	mg/L			
OC-04	OC 04	17-Nov-93	1000	Water	Total Phosphorus		0.9	mg/L			
OC-04	OC 04	4-Jan-94	1000	Water	Total Phosphorus		0.42	mg/L			
OC-04	OC 04	7-Feb-94	1000	Water	Total Phosphorus		0.46	mg/L			
OC-04	OC 04	24-Mar-94	1000	Water	Total Phosphorus		0.67	mg/L			
OC-04	OC 04	26-Apr-94	1100	Water	Total Phosphorus		0.39	mg/L			
OC-04	OC 04	26-May-94	1000	Water	Total Phosphorus		0.55	mg/L			
OC-04	OC 04	29-Jun-94	1100	Water	Total Phosphorus		0.56	mg/L			
OC-04	OC 04	14-Sep-94	1100	Water	Total Phosphorus		2.1	mg/L			
OC-04	OC 04	20-Oct-94	1100	Water	Total Phosphorus		0.89	mg/L			
OC-04	OC 04	21-Nov-94	1000	Water	Total Phosphorus		1.2	mg/L			
OC-04	OC 04	19-Jan-95	1000	Water	Total Phosphorus		1.18	mg/L			
OC-04	OC 04	1-Mar-95	1000	Water	Total Phosphorus		0.53	mg/L			
OC-04	OC 04	4-Apr-95	1000	Water	Total Phosphorus		0.48	mg/L			
OC-04	OC 04	16-May-95	1000	Water	Total Phosphorus		2.9	mg/L			
OC-04	OC 04	11-Jul-95	1000	Water	Total Phosphorus		0.68	mg/L			
OC-04	OC 04	23-Aug-95	1000	Water	Total Phosphorus		1.4	mg/L			
OC-04	OC 04	18-Sep-95	1000	Water	Total Phosphorus		2.2	mg/L			
OC-04	OC 04	2-Nov-95	1000	Water	Total Phosphorus		2.4	mg/L			
OC-04	OC 04	4-Dec-95	1000	Water	Total Phosphorus		2.3	mg/L			
OC-04	OC 04	16-Jan-96	1000	Water	Total Phosphorus		0.903	mg/L			
OC-04	OC 04	7-Feb-96	1000	Water	Total Phosphorus		1.1	mg/L			
OC-04	OC 04	2-Apr-96	1000	Water	Total Phosphorus		0.69	mg/L			
OC-04	OC 04	8-May-96	1000	Water	Total Phosphorus		0.43	mg/L			
OC-04	OC 04	27-Jun-96	1300	Water	Total Phosphorus		0.88	mg/L			
OC-04	OC 04	9-Jul-96	830	Water	Total Phosphorus		1.2	mg/L			
OC-04	OC 04	19-Aug-96	1000	Water	Total Phosphorus		0.88	mg/L			
OC-04	OC 04	24-Oct-96	1000	Water	Total Phosphorus		0.76	mg/L			
OC-04	OC 04	20-Nov-96	1000	Water	Total Phosphorus		1.6	mg/L			
OC-04	OC 04	7-Jan-97	1000	Water	Total Phosphorus		0.92	mg/L			
OC-04	OC 04	10-Feb-97	1000	Water	Total Phosphorus		0.4	mg/L			
OC-04	OC 04	27-Mar-97	1000	Water	Total Phosphorus		0.41	mg/L			
OC-04	OC 04	7-May-97	1000	Water	Total Phosphorus		0.7	mg/L			

Segment	Station	Date	Time	Matrix	PARAMETER_NAME	Type	Result	mg/L	Remark	Depth	Depth unit
OC-04	OC 04	5-Jun-97	1000	Water	Total Phosphorus		0.74	mg/L			
OC-04	OC 04	15-Jul-97	1000	Water	Total Phosphorus		1	mg/L			
OC-04	OC 04	20-Aug-97	1000	Water	Total Phosphorus		0.75	mg/L			
OC-04	OC 04	6-Oct-97	1000	Water	Total Phosphorus		2.1	mg/L			
OC-04	OC 04	13-Nov-97	1000	Water	Total Phosphorus		1.2	mg/L			
OC-04	OC 04	6-Jan-98	1000	Water	Total Phosphorus		0.75	mg/L			
OC-04	OC 04	9-Feb-98	1000	Water	Total Phosphorus		0.76	mg/L			
OC-04	OC 04	23-Mar-98	1000	Water	Total Phosphorus		0.35	mg/L			
OC-04	OC 04	28-Apr-98	1000	Water	Total Phosphorus		0.68	mg/L			
OC-04	OC 04	25-Jun-98	1200	Water	Total Phosphorus		0.53	mg/L			
OC-04	OC 04	19-Aug-98	1000	Water	Total Phosphorus		0.6	mg/L			
OC-04	OC 04	23-Sep-98	1000	Water	Total Phosphorus		1.3	mg/L			
OC-04	OC 04	28-Oct-98	1000	Water	Total Phosphorus		1.6	mg/L			
OC-04	OC 04	9-Dec-98	1000	Water	Total Phosphorus		0.85	mg/L			
OC-95	OC-SW-A1	8-Aug-96	745	Water	Total Phosphorus		0.08	mg/L			
OC-95	OC-SW-E1	8-Aug-96	800	Water	Total Phosphorus		3.7	mg/L			
OC-95	OC-SW-C1	8-Aug-96	815	Water	Total Phosphorus		3.3	mg/L			
OC-95	OC-SW-C2	8-Aug-96	840	Water	Total Phosphorus		3.3	mg/L			
OC-95	OC-SW-C3A	8-Aug-96	900	Water	Total Phosphorus		3	mg/L			
OC-95	OC-SW-C5	8-Aug-96	920	Water	Total Phosphorus		2.6	mg/L			
OCF	OCF-FB-A1	2-Aug-96	840	Water	Total Phosphorus		0.19	mg/L			
OCF	OCF-FB-E1	2-Aug-96	855	Water	Total Phosphorus		10	mg/L			
OCF	OCF-FB-C1	2-Aug-96	920	Water	Total Phosphorus		11	mg/L			
OCF	OCF-FB-C2	2-Aug-96	950	Water	Total Phosphorus		12	mg/L			
OCF	OCF-FB-C3	2-Aug-96	1030	Water	Total Phosphorus		6.2	mg/L			
OE-02	OE 04	10-Jul-96	900	Water	Total Phosphorus		0.17	mg/L			
OE-02	OE 04	12-Nov-96	1130	Water	Total Phosphorus		0.59	mg/L			
ROV	ROV-1	15-May-90	1200	Water	Total Phosphorus		0.195	mg/L			
ROV	ROV-3	15-May-90	1200	Water	Total Phosphorus		0.198	mg/L			
ROV	ROV-1	25-Jun-90	1217	Water	Total Phosphorus		0.536	mg/L			
ROV	ROV-3	25-Jun-90	1205	Water	Total Phosphorus		0.568	mg/L			
ROV	ROV-1	18-Jul-90	1400	Water	Total Phosphorus		0.26	mg/L			
ROV	ROV-3	18-Jul-90	1400	Water	Total Phosphorus		0.297	mg/L			
ROV	ROV-1	25-Jul-90	1100	Water	Total Phosphorus		0.235	mg/L			
ROV	ROV-3	25-Jul-90	1120	Water	Total Phosphorus		0.237	mg/L			
ROV	ROV-1	22-Aug-90	1400	Water	Total Phosphorus		0.184	mg/L			
ROV	ROV-3	22-Aug-90	1430	Water	Total Phosphorus		0.18	mg/L			
ROV	ROV-1	24-Oct-90	1300	Water	Total Phosphorus		0	mg/L			
ROV	ROV-3	24-Oct-90	1310	Water	Total Phosphorus		3.04	mg/L			
ROV	ROV-1	10-Jun-92	1315	Water	Total Phosphorus		0.274	mg/L			
ROV	ROV-3	10-Jun-92	1300	Water	Total Phosphorus		0.312	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Total Phosphorus		0.089	mg/L			
ROV	ROV-1	4-Aug-92	900	Water	Total Phosphorus		0.204	mg/L			
ROV	ROV-1	26-May-93	1300	Water	Total Phosphorus		0.177	mg/L			
ROV	ROV-3	26-May-93	1305	Water	Total Phosphorus		0.192	mg/L			
ROV	ROV-1	28-Jun-93	805	Water	Total Phosphorus		0.161	mg/L			
ROV	ROV-3	28-Jun-93	809	Water	Total Phosphorus		0.196	mg/L			
OC-95	OC-BV-A2	8-Aug-96	945	Water	Total Phosphorus		2.3	mg/L			
O-30	O 01	27-Aug-02		Sediment	Total Phosphorus in bottom deposits		1130	mg/kg			
OB-03	OB 03	9-Jul-02		Sediment	Total Phosphorus in bottom deposits		306	mg/kg			
OC-04	OC 04	11-Jul-02		Sediment	Total Phosphorus in bottom deposits		582	mg/kg			
OC-04		10/4/2007	11:00:00	Water	Zinc	Dissolved	33.7	ug/l	J		
OC-04		10/4/2007	11:00:00	Water	Zinc	Total	41.1	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Zinc	Dissolved	9.33	ug/l	J		
OC-04		7/16/2008	9:40:00	Water	Zinc	Total	17.5	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Zinc	Dissolved	11	ug/l	J		
OC-04		8/19/2008	11:00:00	Water	Zinc	Total	14.8	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Zinc	Dissolved	8.47	ug/l	J		
OC-04		9/29/2008	10:00:00	Water	Zinc	Total	12.8	ug/l	J		
OCF-96		7/22/2008	8:10:00	Water	Zinc	Total	45.3	ug/l	J		
OCF-96		7/29/2008	9:45:00	Water	Zinc	Total	9.86	ug/l	J		
OCF-96		9/8/2008	8:00:00	Water	Zinc	Total	11.5	ug/l	J		
OCF-96		9/15/2008	9:00:00	Water	Zinc	Total	9.78	ug/l	J		

MiniSonde4a 42451									
Log File Name : OC-95_07-22-2008									
Setup Date (M/D/YYYY) : 7/21/2008									
Setup Time (HH:MM:SS) : 14:06:05									
Starting Date (M/D/YYYY) : 7/22/2008									
Starting Time (HH:MM:SS) : 10:15:00									
Stopping Date (M/D/YYYY) : 7/29/2008									
Stopping Time (HH:MM:SS) : 10:15:00									
Interval (HH:MM:SS) : 00:30:00									
Sensor warmup (HH:MM:SS) : 00:01:00									
Circltr warmup (HH:MM:SS) : 00:00:00									
Date	Time	Temp	pH	SpCond	DO%	DO	IBatt	Circ	
M/D/YYYY	HH:MM:SS	°C	Units	µS/cm	Sat	mg/l	Volts	Status	
7/22/2008	10:15:00	24.91	7.66	759	54.3	4.44	10.2	0	
7/22/2008	10:45:00	24.92	7.69	751	55.3	4.52	10.1	0	
7/22/2008	11:15:00	24.94	7.72	764	56.7	4.64	10.1	0	
7/22/2008	11:45:00	24.9	7.74	783	53.6	4.38	10.1	0	
7/22/2008	12:15:00	24.84	7.74	797	54.9	4.49	10.1	0	
7/22/2008	12:45:00	24.79	7.74	803	55	4.51	10.1	0	
7/22/2008	13:15:00	24.74	7.74	804	53.4	4.38	10.1	0	
7/22/2008	13:45:00	24.7	7.75	800	51.8	4.25	10.1	0	
7/22/2008	14:15:00	24.64	7.74	795	52.1	4.28	10.1	0	
7/22/2008	14:45:00	24.62	7.73	787	54.3	4.46	10.1	0	
7/22/2008	15:15:00	24.62	7.73	776	53.3	4.38	10.1	0	
7/22/2008	15:45:00	24.66	7.73	762	55.4	4.55	10.1	0	
7/22/2008	16:15:00	24.7	7.72	743	54.2	4.45	10.1	0	
7/22/2008	16:45:00	24.72	7.71	723	56.3	4.62	10.1	0	
7/22/2008	17:15:00	24.74	7.69	705	54.7	4.49	10.1	0	
7/22/2008	17:45:00	24.78	7.69	690	53.2	4.36	10.1	0	
7/22/2008	18:15:00	24.83	7.69	681	53.3	4.37	10.1	0	
7/22/2008	18:45:00	24.92	7.69	675	51.5	4.21	10.1	0	
7/22/2008	19:15:00	24.88	7.68	668	50.4	4.12	10.1	0	
7/22/2008	19:45:00	24.82	7.66	656	48	3.93	10.1	0	
7/22/2008	20:15:00	24.76	7.64	643	44.5	3.65	10.1	0	
7/22/2008	20:45:00	24.72	7.62	631	42.1	3.46	10.1	0	
7/22/2008	21:15:00	24.67	7.6	621	43.1	3.54	10.1	0	
7/22/2008	21:45:00	24.62	7.58	618	40	3.29	10.1	0	
7/22/2008	22:15:00	24.57	7.57	619	37.2	3.06	10.1	0	
7/22/2008	22:45:00	24.51	7.56	621	38.1	3.14	10.1	0	
7/22/2008	23:15:00	24.45	7.56	623	37.3	3.07	10.1	0	
7/22/2008	23:45:00	24.41	7.56	623	37.4	3.09	10.1	0	
7/23/2008	0:15:00	24.36	7.56	620	36.8	3.04	10.1	0	
7/23/2008	0:45:00	24.32	7.56	615	37.1	3.07	10.1	0	
7/23/2008	1:15:00	24.29	7.56	608	35.6	2.95	10.1	0	
7/23/2008	1:45:00	24.26	7.56	602	36	2.98	10.1	0	
7/23/2008	2:15:00	24.23	7.56	598	36.2	3	10.1	0	
7/23/2008	2:45:00	24.19	7.57	595	35.7	2.96	10.1	0	
7/23/2008	3:15:00	24.15	7.57	596	35.9	2.98	10.1	0	
7/23/2008	3:45:00	24.1	7.57	597	36.3	3.02	10.1	0	

7/23/2008	4:15:00		24.04	7.58	600	37	3.07	10.1	0
7/23/2008	4:45:00		23.98	7.59	605	36.6	3.05	10.1	0
7/23/2008	5:15:00		23.91	7.59	608	39	3.25	10.1	0
7/23/2008	5:45:00		23.85	7.59	613	37	3.09	10.1	0
7/23/2008	6:15:00		23.78	7.6	618	37	3.09	10.1	0
7/23/2008	6:45:00		23.71	7.6	621	36.7	3.07	10.1	0
7/23/2008	7:15:00		23.65	7.59	625	35.8	3	10.1	0
7/23/2008	7:45:00		23.58	7.61	629	36.8	3.09	10.1	0
7/23/2008	8:15:00		23.53	7.61	632	39.9	3.35	10.1	0
7/23/2008	8:45:00		23.53	7.61	636	37	3.11	10.1	0
7/23/2008	9:15:00		23.51	7.62	639	38.1	3.2	10.1	0
7/23/2008	9:45:00		23.55	7.62	643	38.7	3.25	10.1	0
7/23/2008	10:15:00		23.63	7.63	646	39.4	3.3	10.1	0
7/23/2008	10:45:00		23.85	7.65	650	40.8	3.4	10.1	0
7/23/2008	11:15:00		24.1	7.65	653	42	3.49	10.1	0
7/23/2008	11:45:00		24.36	7.67	657	44	3.63	10.1	0
7/23/2008	12:15:00		24.62	7.69	662	46.2	3.8	10.1	0
7/23/2008	12:45:00		24.86	7.71	666	47.7	3.9	10.1	0
7/23/2008	13:15:00		25.05	7.73	671	49.9	4.07	10.1	0
7/23/2008	13:45:00		25.2	7.74	675	50.9	4.14	10.1	0
7/23/2008	14:15:00		25.34	7.74	680	50.4	4.09	10.1	0
7/23/2008	14:45:00		25.51	7.75	684	50.5	4.09	10.1	0
7/23/2008	15:15:00		25.57	7.76	691	50.2	4.05	10.1	0
7/23/2008	15:45:00		25.69	7.76	696	49.9	4.03	10.1	0
7/23/2008	16:15:00		25.75	7.76	700	48.5	3.91	10.1	0
7/23/2008	16:45:00		25.84	7.77	705	48.5	3.9	10.1	0
7/23/2008	17:15:00		25.93	7.79	709	48.9	3.92	10.1	0
7/23/2008	17:45:00		26.04	7.79	714	48.3	3.87	10.1	0
7/23/2008	18:15:00		26.11	7.79	717	48.3	3.87	10.1	0
7/23/2008	18:45:00		26.13	7.8	721	49.2	3.94	10.1	0
7/23/2008	19:15:00		26.12	7.79	724	47.4	3.79	10.1	0
7/23/2008	19:45:00		26.06	7.78	726	46.2	3.7	10.1	0
7/23/2008	20:15:00		25.94	7.78	729	46.6	3.74	10.1	0
7/23/2008	20:45:00		25.78	7.77	731	45.3	3.64	10.1	0
7/23/2008	21:15:00		25.61	7.74	734	42.1	3.4	10.1	0
7/23/2008	21:45:00		25.45	7.74	736	41.4	3.35	10.1	0
7/23/2008	22:15:00		25.3	7.72	739	40	3.25	10.1	0
7/23/2008	22:45:00		25.17	7.72	741	40.1	3.26	10.1	0
7/23/2008	23:15:00		25.05	7.71	744	39.1	3.19	10.1	0
7/23/2008	23:45:00		24.93	7.7	746	38.4	3.14	10.1	0
7/24/2008	0:15:00		24.81	7.69	749	37.2	3.05	10.1	0
7/24/2008	0:45:00		24.71	7.67	751	36.3	2.98	10.1	0
7/24/2008	1:15:00		24.61	7.68	752	36.3	2.99	10.1	0
7/24/2008	1:45:00		24.51	7.67	754	36.2	2.98	10.1	0
7/24/2008	2:15:00		24.41	7.66	756	35.4	2.92	10.1	0
7/24/2008	2:45:00		24.3	7.65	758	35.3	2.92	10.1	0
7/24/2008	3:15:00		24.2	7.64	760	33.9	2.81	10.1	0
7/24/2008	3:45:00		24.1	7.63	761	34	2.83	10.1	0
7/24/2008	4:15:00		24	7.61	761	33	2.74	10.1	0
7/24/2008	4:45:00		23.91	7.62	762	32.9	2.74	10.1	0
7/24/2008	5:15:00		23.79	7.63	762	35.2	2.94	10.1	0

7/24/2008	5:45:00		23.69	7.6	763	33.3	2.79	10.1	0
7/24/2008	6:15:00		23.59	7.62	763	32.8	2.75	10.1	0
7/24/2008	6:45:00		23.51	7.59	763	31.5	2.64	10.1	0
7/24/2008	7:15:00		23.43	7.6	763	32.5	2.73	10.1	0
7/24/2008	7:45:00		23.36	7.62	764	34.2	2.88	10.1	0
7/24/2008	8:15:00		23.31	7.62	763	34	2.87	10.1	0
7/24/2008	8:45:00		23.28	7.61	764	32.9	2.78	10.1	0
7/24/2008	9:15:00		23.26	7.61	764	34.3	2.89	10.1	0
7/24/2008	9:45:00		23.24	7.59	764	32.9	2.77	10.1	0
7/24/2008	10:15:00		23.23	7.61	765	34.6	2.92	10.1	0
7/24/2008	10:45:00		23.22	7.62	765	36.2	3.06	10.1	0
7/24/2008	11:15:00		23.2	7.62	766	36.2	3.05	10.1	0
7/24/2008	11:45:00		23.17	7.62	766	35.6	3.01	10.1	0
7/24/2008	12:15:00		23.14	7.61	765	34.8	2.94	10.1	0
7/24/2008	12:45:00		23.13	7.61	765	35.4	2.99	10.1	0
7/24/2008	13:15:00		23.11	7.64	765	37.4	3.16	10.1	0
7/24/2008	13:45:00		23.12	7.63	767	37.3	3.16	10.1	0
7/24/2008	14:15:00		23.14	7.63	770	37.8	3.19	10.1	0
7/24/2008	14:45:00		23.11	7.63	772	38.1	3.23	10.1	0
7/24/2008	15:15:00		23.11	7.63	774	37.2	3.15	10.1	0
7/24/2008	15:45:00		23.13	7.64	777	38.4	3.24	10.1	0
7/24/2008	16:15:00		23.14	7.63	780	37.8	3.19	10.1	0
7/24/2008	16:45:00		23.14	7.63	783	37.6	3.17	10.1	0
7/24/2008	17:15:00		23.16	7.64	784	38	3.21	10.1	0
7/24/2008	17:45:00		23.16	7.6	786	35.6	3.01	10.1	0
7/24/2008	18:15:00		23.15	7.6	787	34.1	2.88	10.1	0
7/24/2008	18:45:00		23.15	7.57	789	32.6	2.75	10.1	0
7/24/2008	19:15:00		23.14	7.6	790	34	2.87	10.1	0
7/24/2008	19:45:00		23.11	7.58	793	31.2	2.64	10.1	0
7/24/2008	20:15:00		23.07	7.57	794	31.1	2.63	10	0
7/24/2008	20:45:00		23.01	7.55	796	30.5	2.59	10.1	0
7/24/2008	21:15:00		22.96	7.56	796	29.5	2.5	10.1	0
7/24/2008	21:45:00		22.92	7.55	797	29.1	2.47	10	0
7/24/2008	22:15:00		22.88	7.56	797	29	2.47	10.1	0
7/24/2008	22:45:00		22.84	7.52	798	27.1	2.3	10	0
7/24/2008	23:15:00		22.82	7.55	799	29.6	2.52	10	0
7/24/2008	23:45:00		22.79	7.55	800	28.7	2.45	10	0
7/25/2008	0:15:00		22.77	7.55	801	30.4	2.59	10	0
7/25/2008	0:45:00		22.75	7.57	803	29.4	2.5	10	0
7/25/2008	1:15:00		22.73	7.55	803	27.9	2.37	10	0
7/25/2008	1:45:00		22.7	7.54	805	28.4	2.42	10	0
7/25/2008	2:15:00		22.63	7.54	795	28	2.39	10	0
7/25/2008	2:45:00		22.5	7.56	657	35.2	3.01	10	0
7/25/2008	3:15:00		22.49	7.58	711	35.8	3.06	10	0
7/25/2008	3:45:00		22.36	7.54	631	36.8	3.16	10.1	0
7/25/2008	4:15:00		22.27	7.51	620	33.5	2.88	10	0
7/25/2008	4:45:00		22.22	7.59	649	46.3	3.98	10	0
7/25/2008	5:15:00		22.15	7.61	606	53.6	4.62	10	0
7/25/2008	5:45:00		22.03	7.64	642	54.9	4.74	10	0
7/25/2008	6:15:00		21.73	7.68	567	59.5	5.17	10	0
7/25/2008	6:45:00		21.68	7.64	526	62.1	5.4	10	0

7/25/2008	7:15:00		21.71	7.62	520	61.7	5.36	10	0
7/25/2008	7:45:00		21.62	7.6	458	63.6	5.54	10	0
7/25/2008	8:15:00		21.49	7.59	372	64.6	5.64	10	0
7/25/2008	8:45:00		21.49	7.57	315	66.8	5.84	10	0
7/25/2008	9:15:00		21.58	7.57	304	66.9	5.84	10	0
7/25/2008	9:45:00		21.67	7.56	306	68.1	5.93	10	0
7/25/2008	10:15:00		21.79	7.56	316	67.1	5.83	10	0
7/25/2008	10:45:00		21.94	7.57	334	66	5.72	10	0
7/25/2008	11:15:00		22.25	7.59	381	65.4	5.63	10	0
7/25/2008	11:45:00		22.44	7.61	418	64.7	5.55	10	0
7/25/2008	12:15:00		22.53	7.64	446	67	5.73	10	0
7/25/2008	12:45:00		22.7	7.68	451	65.2	5.56	10	0
7/25/2008	13:15:00		22.87	7.71	450	65.5	5.57	10	0
7/25/2008	13:45:00		22.99	7.71	457	66.4	5.64	10	0
7/25/2008	14:15:00		23.04	7.71	466	66.9	5.68	10	0
7/25/2008	14:45:00		23.16	7.71	469	67.1	5.67	10	0
7/25/2008	15:15:00		23.26	7.7	470	66.1	5.58	10	0
7/25/2008	15:45:00		23.39	7.69	468	66.1	5.57	10	0
7/25/2008	16:15:00		23.49	7.68	462	64.7	5.44	10	0
7/25/2008	16:45:00		23.52	7.66	453	63.1	5.3	10	0
7/25/2008	17:15:00		23.67	7.65	440	62.8	5.26	10	0
7/25/2008	17:45:00		23.74	7.63	426	60.7	5.08	10	0
7/25/2008	18:15:00		23.68	7.61	413	60.2	5.05	10	0
7/25/2008	18:45:00		23.65	7.59	403	57.8	4.85	10	0
7/25/2008	19:15:00		23.63	7.57	394	56.8	4.76	10	0
7/25/2008	19:45:00		23.6	7.56	389	56	4.7	10	0
7/25/2008	20:15:00		23.58	7.55	383	53.5	4.5	10	0
7/25/2008	20:45:00		23.58	7.54	381	53.2	4.47	10	0
7/25/2008	21:15:00		23.58	7.53	378	50.9	4.27	10	0
7/25/2008	21:45:00		23.57	7.52	374	50	4.2	10	0
7/25/2008	22:15:00		23.57	7.52	367	50.2	4.21	10	0
7/25/2008	22:45:00		23.57	7.52	361	51.7	4.34	10	0
7/25/2008	23:15:00		23.56	7.52	359	50.7	4.26	10	0
7/25/2008	23:45:00		23.55	7.52	362	49	4.11	10	0
7/26/2008	0:15:00		23.53	7.51	367	49.6	4.17	10	0
7/26/2008	0:45:00		23.52	7.51	373	48.8	4.1	10	0
7/26/2008	1:15:00		23.5	7.5	380	47.9	4.03	10	0
7/26/2008	1:45:00		23.48	7.49	386	45.8	3.85	10	0
7/26/2008	2:15:00		23.46	7.48	391	46.8	3.94	10	0
7/26/2008	2:45:00		23.43	7.48	395	45.6	3.84	10	0
7/26/2008	3:15:00		23.41	7.48	399	45	3.79	10	0
7/26/2008	3:45:00		23.39	7.48	402	45.3	3.82	10	0
7/26/2008	4:15:00		23.37	7.47	406	45.6	3.84	10	0
7/26/2008	4:45:00		23.34	7.46	408	43.4	3.66	10	0
7/26/2008	5:15:00		23.32	7.46	412	44.3	3.74	10	0
7/26/2008	5:45:00		23.29	7.45	416	44	3.72	10	0
7/26/2008	6:15:00		23.28	7.45	419	43.1	3.64	10	0
7/26/2008	6:45:00		23.28	7.46	422	43.9	3.71	10	0
7/26/2008	7:15:00		23.29	7.44	426	43.3	3.66	10	0
7/26/2008	7:45:00		23.31	7.44	428	43	3.63	10	0
7/26/2008	8:15:00		23.34	7.44	431	40.4	3.4	10	0

7/26/2008	8:45:00		23.41	7.45	435	41.9	3.53	10	0
7/26/2008	9:15:00		23.48	7.45	438	42.8	3.6	10	0
7/26/2008	9:45:00		23.56	7.45	440	41.9	3.51	10	0
7/26/2008	10:15:00		23.63	7.45	443	42.1	3.53	10	0
7/26/2008	10:45:00		23.8	7.46	446	43.4	3.62	10	0
7/26/2008	11:15:00		24.02	7.47	449	45.4	3.78	10	0
7/26/2008	11:45:00		24.28	7.49	451	44.9	3.72	10	0
7/26/2008	12:15:00		24.52	7.49	454	47.1	3.88	10	0
7/26/2008	12:45:00		24.66	7.5	456	47.5	3.91	10	0
7/26/2008	13:15:00		24.73	7.5	458	45.8	3.76	10	0
7/26/2008	13:45:00		24.85	7.51	460	47.8	3.92	10	0
7/26/2008	14:15:00		25.01	7.51	461	47.1	3.85	10	0
7/26/2008	14:45:00		25.22	7.52	464	47.8	3.89	10	0
7/26/2008	15:15:00		25.4	7.54	466	49	3.97	10	0
7/26/2008	15:45:00		25.54	7.53	468	48.1	3.89	10	0
7/26/2008	16:15:00		25.71	7.55	468	48.6	3.92	10	0
7/26/2008	16:45:00		25.73	7.55	469	48.3	3.9	10	0
7/26/2008	17:15:00		25.75	7.55	470	47	3.79	10	0
7/26/2008	17:45:00		25.78	7.55	470	46.9	3.78	10	0
7/26/2008	18:15:00		25.87	7.55	470	47.2	3.8	10	0
7/26/2008	18:45:00		25.92	7.56	470	48.1	3.86	10	0
7/26/2008	19:15:00		25.94	7.57	469	46.9	3.77	10	0
7/26/2008	19:45:00		25.93	7.56	469	45.6	3.66	10	0
7/26/2008	20:15:00		25.86	7.56	469	45	3.62	10	0
7/26/2008	20:45:00		25.77	7.55	468	45.3	3.65	10	0
7/26/2008	21:15:00		25.68	7.55	469	45.6	3.68	10	0
7/26/2008	21:45:00		25.6	7.54	469	47.3	3.82	10	0
7/26/2008	22:15:00		25.54	7.54	470	46.2	3.74	10	0
7/26/2008	22:45:00		25.49	7.54	471	44.3	3.59	10	0
7/26/2008	23:15:00		25.43	7.54	473	43.9	3.56	10	0
7/26/2008	23:45:00		25.37	7.54	475	47	3.81	10	0
7/27/2008	0:15:00		25.3	7.54	477	43.8	3.56	10	0
7/27/2008	0:45:00		25.22	7.54	481	43.7	3.56	10	0
7/27/2008	1:15:00		25.12	7.54	485	44	3.59	10	0
7/27/2008	1:45:00		25.03	7.55	490	46.3	3.78	10	0
7/27/2008	2:15:00		24.93	7.53	497	42.1	3.44	10	0
7/27/2008	2:45:00		24.82	7.53	504	42.4	3.48	10	0
7/27/2008	3:15:00		24.7	7.52	512	43	3.54	10	0
7/27/2008	3:45:00		24.59	7.53	522	43.4	3.58	9.9	0
7/27/2008	4:15:00		24.47	7.52	531	41.1	3.39	10	0
7/27/2008	4:45:00		24.37	7.52	541	40.8	3.37	9.9	0
7/27/2008	5:15:00		24.28	7.52	549	42.8	3.54	9.9	0
7/27/2008	5:45:00		24.18	7.52	556	41.1	3.41	9.9	0
7/27/2008	6:15:00		24.08	7.52	564	42.4	3.53	9.9	0
7/27/2008	6:45:00		23.99	7.52	571	41.9	3.48	9.9	0
7/27/2008	7:15:00		23.91	7.52	577	43.8	3.65	9.9	0
7/27/2008	7:45:00		23.85	7.53	581	43	3.59	9.9	0
7/27/2008	8:15:00		23.83	7.52	586	41.7	3.48	9.9	0
7/27/2008	8:45:00		23.84	7.54	590	45.8	3.83	10	0
7/27/2008	9:15:00		23.87	7.54	593	43.3	3.62	9.9	0
7/27/2008	9:45:00		23.92	7.55	595	45	3.75	9.9	0

7/27/2008	10:15:00		24.03	7.56	597	46	3.83	10	0
7/27/2008	10:45:00		24.23	7.58	599	47.1	3.9	9.9	0
7/27/2008	11:15:00		24.33	7.59	601	47.7	3.95	9.9	0
7/27/2008	11:45:00		24.56	7.61	602	51.1	4.21	9.9	0
7/27/2008	12:15:00		24.85	7.62	604	51.1	4.18	9.9	0
7/27/2008	12:45:00		25.09	7.65	605	53.9	4.39	9.9	0
7/27/2008	13:15:00		25.33	7.66	606	54.5	4.42	9.9	0
7/27/2008	13:45:00		25.52	7.68	606	55.3	4.47	9.9	0
7/27/2008	14:15:00		25.73	7.69	606	56.4	4.55	9.9	0
7/27/2008	14:45:00		25.95	7.71	607	56.9	4.57	9.9	0
7/27/2008	15:15:00		26.12	7.71	606	61.4	4.91	9.9	0
7/27/2008	15:45:00		26.29	7.72	607	56.2	4.48	9.9	0
7/27/2008	16:15:00		26.43	7.73	607	58	4.62	9.9	0
7/27/2008	16:45:00		26.58	7.74	606	56.5	4.48	9.9	0
7/27/2008	17:15:00		26.74	7.76	607	57.3	4.53	9.9	0
7/27/2008	17:45:00		26.87	7.76	608	57.8	4.56	9.9	0
7/27/2008	18:15:00		26.98	7.77	608	58.7	4.62	9.9	0
7/27/2008	18:45:00		27.05	7.77	608	56.5	4.45	9.9	0
7/27/2008	19:15:00		27.05	7.77	608	54.8	4.31	9.9	0
7/27/2008	19:45:00		26.99	7.77	609	56.1	4.42	9.9	0
7/27/2008	20:15:00		26.9	7.76	610	55.6	4.39	9.9	0
7/27/2008	20:45:00		26.8	7.75	610	55.2	4.36	9.9	0
7/27/2008	21:15:00		26.7	7.73	611	52.2	4.14	9.9	0
7/27/2008	21:45:00		26.61	7.71	612	50.7	4.02	9.9	0
7/27/2008	22:15:00		26.55	7.7	612	49.9	3.96	9.9	0
7/27/2008	22:45:00		26.5	7.7	614	50.3	4	9.9	0
7/27/2008	23:15:00		26.22	7.7	609	51.3	4.1	9.9	0
7/27/2008	23:45:00		25.39	7.69	419	50.7	4.11	9.9	0
7/28/2008	0:15:00		25.27	7.61	459	41.3	3.36	9.9	0
7/28/2008	0:45:00		24.54	7.39	428	30	2.47	9.9	0
7/28/2008	1:15:00		24.75	7.63	467	48.1	3.95	9.9	0
7/28/2008	1:45:00		23.92	7.66	429	49.5	4.13	9.9	0
7/28/2008	2:15:00		23.66	7.61	379	48.4	4.06	9.9	0
7/28/2008	2:45:00		23.69	7.58	394	51.3	4.29	9.9	0
7/28/2008	3:15:00		23.32	7.59	225	50.1	4.23	9.9	0
7/28/2008	3:45:00		23.29	7.61	189	39.6	3.34	9.9	0
7/28/2008	4:15:00		23.84	7.57	207	48.7	4.07	9.9	0
7/28/2008	4:45:00		24.4	7.72	358	42.3	3.5	9.9	0
7/28/2008	5:15:00		24.29	7.76	362	42.5	3.52	9.9	0
7/28/2008	5:45:00		23.7	7.63	281	29.4	2.47	9.9	0
7/28/2008	6:15:00		23.37	7.6	243	24	2.02	9.9	0
7/28/2008	6:45:00		23.34	7.61	216	21.1	1.78	9.9	0
7/28/2008	7:15:00		23.38	7.62	301	17.5	1.48	9.9	0
7/28/2008	7:45:00		23.4	7.62	233	16.5	1.39	9.9	0
7/28/2008	8:15:00		23.41	7.6	241	15.4	1.3	9.9	0
7/28/2008	8:45:00		23.43	7.6	223	14	1.18	9.9	0
7/28/2008	9:15:00		23.46	7.59	247	11.6	0.98	9.9	0
7/28/2008	9:45:00		23.52	7.6	255	10.4	0.88	9.9	0
7/28/2008	10:15:00		23.58	7.6	253	9.6	0.81	9.9	0
7/28/2008	10:45:00		23.66	7.59	265	9	0.75	9.9	0
7/28/2008	11:15:00		23.7	7.59	273	8.9	0.75	9.9	0

7/28/2008	11:45:00		23.72	7.59	292	8.8	0.74	9.8	0
7/28/2008	12:15:00		23.84	7.6	280	9.9	0.82	9.9	0
7/28/2008	12:45:00		23.9	7.6	296	10.4	0.87	9.9	0
7/28/2008	13:15:00		23.96	7.61	305	12.9	1.08	9.9	0
7/28/2008	13:45:00		24.07	7.61	307	14	1.16	9.9	0
7/28/2008	14:15:00		24.27	7.62	307	15.1	1.26	9.9	0
7/28/2008	14:45:00		24.43	7.63	311	14.8	1.22	9.9	0
7/28/2008	15:15:00		24.61	7.64	313	15.1	1.24	9.9	0
7/28/2008	15:45:00		24.75	7.65	314	14.8	1.21	9.8	0
7/28/2008	16:15:00		24.88	7.65	319	15.5	1.27	9.8	0
7/28/2008	16:45:00		24.99	7.66	323	14.7	1.21	9.8	0
7/28/2008	17:15:00		25.04	7.67	324	15.6	1.28	9.8	0
7/28/2008	17:45:00		25.09	7.67	323	14.1	1.15	9.9	0
7/28/2008	18:15:00		25.1	7.66	323	14.2	1.16	9.8	0
7/28/2008	18:45:00		25.09	7.66	324	12.8	1.05	9.9	0
7/28/2008	19:15:00		25.06	7.65	330	13.4	1.09	9.9	0
7/28/2008	19:45:00		25	7.64	336	12.1	0.99	9.9	0
7/28/2008	20:15:00		24.93	7.63	340	11.3	0.92	9.8	0
7/28/2008	20:45:00		24.88	7.63	346	10.2	0.84	9.8	0
7/28/2008	21:15:00		24.85	7.63	351	10.2	0.83	9.8	0
7/28/2008	21:45:00		24.84	7.62	354	10.2	0.84	9.8	0
7/28/2008	22:15:00		24.83	7.61	356	9.9	0.81	9.8	0
7/28/2008	22:45:00		24.82	7.61	358	9.6	0.79	9.8	0
7/28/2008	23:15:00		24.8	7.6	360	8.1	0.67	9.8	0
7/28/2008	23:45:00		24.77	7.6	362	7.5	0.61	9.9	0
7/29/2008	0:15:00		24.74	7.6	364	6.8	0.56	9.8	0
7/29/2008	0:45:00		24.69	7.59	366	5.6	0.46	9.8	0
7/29/2008	1:15:00		24.63	7.59	369	5	0.41	9.9	0
7/29/2008	1:45:00		24.57	7.59	371	4.7	0.39	9.8	0
7/29/2008	2:15:00		24.51	7.59	375	3.9	0.32	9.9	0
7/29/2008	2:45:00		24.45	7.57	377	3.1	0.26	9.8	0
7/29/2008	3:15:00		24.39	7.57	381	4.1	0.34	9.8	0
7/29/2008	3:45:00		24.33	7.57	384	3.1	0.26	9.9	0
7/29/2008	4:15:00		24.27	7.56	387	3.9	0.33	9.8	0
7/29/2008	4:45:00		24.23	7.57	389	3.7	0.31	9.8	0
7/29/2008	5:15:00		24.18	7.57	393	3.5	0.29	9.8	0
7/29/2008	5:45:00		24.13	7.56	395	4.7	0.39	9.8	0
7/29/2008	6:15:00		24.09	7.56	399	3.4	0.28	9.8	0
7/29/2008	6:45:00		24.05	7.55	401	2.4	0.2	9.8	0
7/29/2008	7:15:00		24.03	7.55	404	2.9	0.24	9.8	0
7/29/2008	7:45:00		24.02	7.54	407	2.8	0.24	9.8	0
7/29/2008	8:15:00		24.03	7.55	410	2.9	0.24	9.8	0
7/29/2008	8:45:00		24.06	7.56	412	2.6	0.21	9.8	0
7/29/2008	9:15:00		24.1	7.55	415	3.1	0.26	9.8	0
7/29/2008	9:45:00		24.18	7.57	416	2.4	0.2	9.8	0
7/29/2008	10:15:00		24.31	7.58	418	3.3	0.28	9.8	0

Hydrolab MS5 45501								
Log File Name : OC-95_09-08-2008								
Setup Date (M/D/YYYY) : 9/8/2008								
Setup Time (HH:MM:SS) : 04:35:46								
Starting Date (M/D/YYYY) : 9/8/2008								
Starting Time (HH:MM:SS) : 10:30:00								
Stopping Date (M/D/YYYY) : 9/15/2008								
Stopping Time (HH:MM:SS) : 10:30:00								
Interval (HH:MM:SS) : 00:30:00								
Sensor warmup (HH:MM:SS) : 00:01:00								
Circltr warmup (HH:MM:SS) : 00:01:00								
Date	Time	Temp	pH	SpCond	LDO%	LDO	IBatt	Circ
M/D/YYYY	HH:MM:SS	°C	Units	µS/cm	Sat	mg/l	Volts	Status
9/8/2008	10:30:00	20.35	7.59	661	84.5	7.57	10.6	1
9/8/2008	11:00:00	20.52	7.61	662	85.3	7.62	10.6	1
9/8/2008	11:30:00	20.66	7.62	663	85.8	7.65	10.6	1
9/8/2008	12:00:00	20.8	7.63	663	86.4	7.68	10.6	1
9/8/2008	12:30:00	21.01	7.64	665	87.7	7.76	10.6	1
9/8/2008	13:00:00	21.09	7.65	665	87.6	7.74	10.6	1
9/8/2008	13:30:00	21.21	7.66	666	88	7.76	10.6	1
9/8/2008	14:00:00	21.39	7.67	666	89.1	7.83	10.6	1
9/8/2008	14:30:00	21.57	7.68	667	89.1	7.8	10.6	1
9/8/2008	15:00:00	21.73	7.68	669	89	7.77	10.5	1
9/8/2008	15:30:00	21.82	7.68	670	88.3	7.69	10.5	1
9/8/2008	16:00:00	21.92	7.68	671	88.2	7.66	10.5	1
9/8/2008	16:30:00	22.03	7.68	672	88	7.63	10.5	1
9/8/2008	17:00:00	22.1	7.68	673	87.4	7.57	10.5	1
9/8/2008	17:30:00	22.14	7.67	674	86.5	7.49	10.5	1
9/8/2008	18:00:00	22.2	7.67	675	85.8	7.42	10.5	1
9/8/2008	18:30:00	22.23	7.66	677	85	7.34	10.5	1
9/8/2008	19:00:00	22.23	7.65	678	83.6	7.23	10.5	1
9/8/2008	19:30:00	22.22	7.65	679	82.7	7.15	10.5	1
9/8/2008	20:00:00	22.2	7.65	680	81.9	7.08	10.5	1
9/8/2008	20:30:00	22.1	7.64	674	81.1	7.02	10.5	1
9/8/2008	21:00:00	22.02	7.63	675	80.5	6.98	10.4	1
9/8/2008	21:30:00	21.96	7.64	673	80	6.95	10.4	1
9/8/2008	22:00:00	21.9	7.63	673	79.6	6.92	10.4	1
9/8/2008	22:30:00	21.85	7.63	672	79.2	6.89	10.4	1
9/8/2008	23:00:00	21.78	7.63	669	78.9	6.87	10.4	1
9/8/2008	23:30:00	21.67	7.63	665	78.4	6.85	10.4	1
9/9/2008	0:00:00	21.56	7.62	658	77.7	6.8	10.4	1
9/9/2008	0:30:00	21.45	7.62	652	77	6.76	10.4	1
9/9/2008	1:00:00	21.36	7.61	648	76.9	6.75	10.4	1
9/9/2008	1:30:00	21.24	7.61	645	76.2	6.71	10.4	1
9/9/2008	2:00:00	21.14	7.6	641	75.7	6.68	10.4	1
9/9/2008	2:30:00	21.01	7.6	639	75.3	6.66	10.4	1
9/9/2008	3:00:00	20.88	7.6	640	75.4	6.68	10.4	1
9/9/2008	3:30:00	20.76	7.6	641	75.6	6.72	10.4	1
9/9/2008	4:00:00	20.64	7.6	645	75.9	6.76	10.4	1

9/9/2008	4:30:00	20.52	7.61	649	76.1	6.8	10.4	1
9/9/2008	5:00:00	20.4	7.61	653	76.1	6.82	10.4	1
9/9/2008	5:30:00	20.27	7.61	657	76.1	6.83	10.4	1
9/9/2008	6:00:00	20.16	7.61	659	76	6.84	10.4	1
9/9/2008	6:30:00	20.06	7.61	663	76	6.85	10.4	1
9/9/2008	7:00:00	19.95	7.61	666	75.9	6.85	10.4	1
9/9/2008	7:30:00	19.86	7.61	669	75.8	6.86	10.4	1
9/9/2008	8:00:00	19.78	7.61	673	76.1	6.9	10.4	1
9/9/2008	8:30:00	19.68	7.62	676	76.3	6.93	10.4	1
9/9/2008	9:00:00	19.64	7.62	679	77.3	7.03	10.4	1
9/9/2008	9:30:00	19.59	7.64	682	78.3	7.12	10.4	1
9/9/2008	10:00:00	19.59	7.64	684	79.5	7.23	10.4	1
9/9/2008	10:30:00	19.66	7.66	686	80.3	7.3	10.4	1
9/9/2008	11:00:00	19.74	7.67	688	81.3	7.38	10.4	1
9/9/2008	11:30:00	19.93	7.68	690	82.6	7.46	10.4	1
9/9/2008	12:00:00	20.12	7.69	692	83.7	7.54	10.4	1
9/9/2008	12:30:00	20.26	7.69	693	84.4	7.58	10.4	1
9/9/2008	13:00:00	20.33	7.7	693	84.4	7.57	10.4	1
9/9/2008	13:30:00	20.43	7.7	693	84.7	7.58	10.4	1
9/9/2008	14:00:00	20.54	7.71	694	84.9	7.58	10.4	1
9/9/2008	14:30:00	20.65	7.71	694	85.2	7.59	10.4	1
9/9/2008	15:00:00	20.75	7.72	694	85.3	7.59	10.4	1
9/9/2008	15:30:00	20.85	7.72	695	85.7	7.61	10.4	1
9/9/2008	16:00:00	20.93	7.73	696	85.8	7.6	10.4	1
9/9/2008	16:30:00	21.02	7.73	697	86.1	7.61	10.4	1
9/9/2008	17:00:00	21.12	7.74	699	85.9	7.59	10.4	1
9/9/2008	17:30:00	21.18	7.74	701	85.7	7.55	10.4	1
9/9/2008	18:00:00	21.2	7.74	704	84.9	7.48	10.4	1
9/9/2008	18:30:00	21.14	7.73	706	84	7.41	10.4	1
9/9/2008	19:00:00	21.02	7.73	709	82.8	7.32	10.4	1
9/9/2008	19:30:00	20.88	7.71	711	81.5	7.23	10.4	1
9/9/2008	20:00:00	20.72	7.7	713	80	7.12	10.4	1
9/9/2008	20:30:00	20.58	7.69	715	79	7.05	10.3	1
9/9/2008	21:00:00	20.44	7.69	716	78.3	7.01	10.3	1
9/9/2008	21:30:00	20.31	7.68	717	77.6	6.96	10.4	1
9/9/2008	22:00:00	20.2	7.68	717	77.2	6.94	10.3	1
9/9/2008	22:30:00	20.1	7.68	716	77	6.94	10.3	1
9/9/2008	23:00:00	20.01	7.67	715	76.6	6.91	10.3	1
9/9/2008	23:30:00	19.94	7.67	714	76.6	6.92	10.3	1
9/10/2008	0:00:00	19.87	7.67	712	76.4	6.91	10.3	1
9/10/2008	0:30:00	19.81	7.67	710	76.2	6.9	10.3	1
9/10/2008	1:00:00	19.74	7.67	707	76.1	6.9	10.3	1
9/10/2008	1:30:00	19.68	7.67	704	75.8	6.88	10.3	1
9/10/2008	2:00:00	19.6	7.67	701	75.6	6.87	10.3	1
9/10/2008	2:30:00	19.52	7.67	698	75.5	6.88	10.3	1
9/10/2008	3:00:00	19.44	7.66	695	75.4	6.88	10.3	1
9/10/2008	3:30:00	19.34	7.66	693	75.3	6.89	10.3	1
9/10/2008	4:00:00	19.24	7.66	690	75.4	6.91	10.3	1
9/10/2008	4:30:00	19.13	7.66	690	75.4	6.93	10.3	1
9/10/2008	5:00:00	19.03	7.66	689	75	6.9	10.3	1
9/10/2008	5:30:00	18.93	7.65	690	75.2	6.93	10.2	1

9/10/2008	6:00:00	18.83	7.65	690	75	6.93	10.2	1
9/10/2008	6:30:00	18.73	7.65	692	75.2	6.96	10.2	1
9/10/2008	7:00:00	18.64	7.65	693	75.1	6.96	10.2	1
9/10/2008	7:30:00	18.56	7.65	694	75.2	6.99	10.2	1
9/10/2008	8:00:00	18.5	7.65	696	75.3	7	10.2	1
9/10/2008	8:30:00	18.45	7.65	697	75.8	7.05	10.2	1
9/10/2008	9:00:00	18.44	7.65	699	76	7.08	10.2	1
9/10/2008	9:30:00	18.5	7.66	701	76.9	7.16	10.2	1
9/10/2008	10:00:00	18.57	7.67	701	77.3	7.18	10.2	1
9/10/2008	10:30:00	18.7	7.67	703	78.2	7.24	10.2	1
9/10/2008	11:00:00	18.89	7.68	704	79.2	7.31	10.2	1
9/10/2008	11:30:00	19.13	7.7	705	80.7	7.41	10.2	1
9/10/2008	12:00:00	19.37	7.71	706	82.5	7.54	10.2	1
9/10/2008	12:30:00	19.58	7.72	707	83.3	7.58	10.2	1
9/10/2008	13:00:00	19.73	7.73	707	83.7	7.59	10.2	1
9/10/2008	13:30:00	19.86	7.73	707	83.8	7.58	10.2	1
9/10/2008	14:00:00	20.01	7.73	706	84.1	7.59	10.2	1
9/10/2008	14:30:00	20.17	7.73	707	84.1	7.57	10.2	1
9/10/2008	15:00:00	20.35	7.74	706	84.6	7.58	10.2	1
9/10/2008	15:30:00	20.52	7.74	706	85.3	7.62	10.2	1
9/10/2008	16:00:00	20.68	7.75	706	85.6	7.62	10.2	1
9/10/2008	16:30:00	20.84	7.75	706	85.4	7.58	10.2	1
9/10/2008	17:00:00	21.01	7.76	706	86	7.6	10.2	1
9/10/2008	17:30:00	21.15	7.75	706	86	7.59	10.2	1
9/10/2008	18:00:00	21.24	7.76	706	85.5	7.53	10.2	1
9/10/2008	18:30:00	21.26	7.75	706	85.1	7.49	10.2	1
9/10/2008	19:00:00	21.23	7.75	708	84.2	7.42	10.2	1
9/10/2008	19:30:00	21.14	7.74	709	82.5	7.28	10.2	1
9/10/2008	20:00:00	21.04	7.73	710	81.6	7.21	10.2	1
9/10/2008	20:30:00	20.94	7.73	713	80.8	7.16	10.2	1
9/10/2008	21:00:00	20.86	7.72	715	80	7.1	10.2	1
9/10/2008	21:30:00	20.78	7.71	717	79.4	7.06	10.2	1
9/10/2008	22:00:00	20.71	7.71	719	79.2	7.05	10.2	1
9/10/2008	22:30:00	20.63	7.71	722	78.8	7.03	10.2	1
9/10/2008	23:00:00	20.56	7.71	724	78.6	7.02	10.2	1
9/10/2008	23:30:00	20.5	7.71	727	78.3	7	10.2	1
9/11/2008	0:00:00	20.45	7.7	727	77.6	6.94	10.2	1
9/11/2008	0:30:00	20.41	7.7	729	77.5	6.94	10.2	1
9/11/2008	1:00:00	20.38	7.7	730	77.1	6.9	10.2	1
9/11/2008	1:30:00	20.36	7.69	731	77	6.9	10.2	1
9/11/2008	2:00:00	20.35	7.69	731	76.7	6.87	10.2	1
9/11/2008	2:30:00	20.32	7.69	730	76.4	6.85	10.2	1
9/11/2008	3:00:00	20.29	7.69	728	76.5	6.86	10.2	1
9/11/2008	3:30:00	20.26	7.69	726	76.4	6.86	10.2	1
9/11/2008	4:00:00	20.22	7.69	723	76.2	6.85	10.1	1
9/11/2008	4:30:00	20.17	7.69	721	76.3	6.86	10.1	1
9/11/2008	5:00:00	20.11	7.68	718	76.3	6.87	10.2	1
9/11/2008	5:30:00	20.04	7.68	716	76.2	6.87	10.2	1
9/11/2008	6:00:00	19.98	7.68	716	76.4	6.9	10.2	1
9/11/2008	6:30:00	19.92	7.68	715	76.2	6.89	10.1	1
9/11/2008	7:00:00	19.86	7.68	715	76.3	6.91	10.1	1

9/11/2008	7:30:00	19.82	7.68	716	76.4	6.92	10.1	1
9/11/2008	8:00:00	19.78	7.68	718	76.6	6.94	10.1	1
9/11/2008	8:30:00	19.76	7.68	721	76.9	6.97	10.1	1
9/11/2008	9:00:00	19.75	7.68	722	77.2	7	10.1	1
9/11/2008	9:30:00	19.76	7.68	726	77.4	7.02	10.1	1
9/11/2008	10:00:00	19.78	7.69	729	78.1	7.08	10.1	1
9/11/2008	10:30:00	19.82	7.69	732	78.7	7.12	10.1	1
9/11/2008	11:00:00	19.87	7.7	736	79.3	7.17	10.1	1
9/11/2008	11:30:00	19.95	7.71	739	80.4	7.27	10.1	1
9/11/2008	12:00:00	20.06	7.72	744	81.9	7.38	10.1	1
9/11/2008	12:30:00	20.19	7.73	748	83.3	7.48	10.1	1
9/11/2008	13:00:00	20.33	7.75	752	84.7	7.6	10.1	1
9/11/2008	13:30:00	20.47	7.76	754	86	7.68	10.1	1
9/11/2008	14:00:00	20.61	7.77	757	86.8	7.74	10.1	1
9/11/2008	14:30:00	20.73	7.77	758	86.8	7.72	10.1	1
9/11/2008	15:00:00	20.84	7.77	758	87.4	7.75	10.1	1
9/11/2008	15:30:00	20.94	7.78	759	87.5	7.75	10.1	1
9/11/2008	16:00:00	20.98	7.77	759	86.8	7.68	10.1	1
9/11/2008	16:30:00	21.01	7.77	760	86.6	7.66	10.1	1
9/11/2008	17:00:00	21.04	7.77	760	86.6	7.66	10.1	1
9/11/2008	17:30:00	21.05	7.77	759	85.9	7.59	10.1	1
9/11/2008	18:00:00	21.06	7.76	759	85.1	7.52	10.1	1
9/11/2008	18:30:00	21.07	7.76	757	84.6	7.48	10.1	1
9/11/2008	19:00:00	21.09	7.75	756	84.4	7.46	10.1	1
9/11/2008	19:30:00	21.1	7.75	754	83.8	7.4	10.1	1
9/11/2008	20:00:00	21.11	7.74	752	83.3	7.35	10.1	1
9/11/2008	20:30:00	21.13	7.73	751	82.8	7.31	10.1	1
9/11/2008	21:00:00	21.14	7.73	748	82.4	7.27	10.1	1
9/11/2008	21:30:00	21.17	7.73	747	82.2	7.25	10.1	1
9/11/2008	22:00:00	21.18	7.72	746	81.8	7.21	10.1	1
9/11/2008	22:30:00	21.19	7.71	745	81.2	7.16	10.1	1
9/11/2008	23:00:00	21.18	7.71	745	80.8	7.12	10.1	1
9/11/2008	23:30:00	21.18	7.71	745	80.6	7.11	10.1	1
9/12/2008	0:00:00	21.17	7.7	745	80.3	7.08	10.1	1
9/12/2008	0:30:00	21.16	7.7	746	79.8	7.04	10.1	1
9/12/2008	1:00:00	21.15	7.69	746	79.7	7.03	10.1	1
9/12/2008	1:30:00	21.16	7.69	747	78.8	6.95	10.1	1
9/12/2008	2:00:00	21.16	7.68	748	78.4	6.92	10.1	1
9/12/2008	2:30:00	21.18	7.68	748	77.9	6.87	10.1	1
9/12/2008	3:00:00	21.5	7.66	628	78.9	6.91	10.1	1
9/12/2008	3:30:00	21.39	7.67	690	79.2	6.96	10.1	1
9/12/2008	4:00:00	21.79	7.6	569	75.8	6.61	10.1	1
9/12/2008	4:30:00	22.06	7.55	457	77.1	6.69	10.1	1
9/12/2008	5:00:00	21.83	7.57	528	79	6.88	10.1	1
9/12/2008	5:30:00	21.7	7.55	451	79.3	6.92	10.1	1
9/12/2008	6:00:00	21.66	7.57	423	80.6	7.04	10.1	1
9/12/2008	6:30:00	21.5	7.55	385	81.6	7.16	10.1	1
9/12/2008	7:00:00	21.69	7.54	293	83.7	7.32	10.1	1
9/12/2008	7:30:00	21.67	7.5	282	83.8	7.33	10.1	1
9/12/2008	8:00:00	21.62	7.47	270	83.1	7.27	10.1	1
9/12/2008	8:30:00	21.4	7.47	344	81.1	7.13	10.1	1

9/12/2008	9:00:00	21.21	7.51	395	81.5	7.19	10.1	1
9/12/2008	9:30:00	21.6	7.46	315	80.9	7.08	10.1	1
9/12/2008	10:00:00	21.62	7.43	300	80.2	7.02	10.1	1
9/12/2008	10:30:00	21.74	7.43	275	79	6.9	10.1	1
9/12/2008	11:00:00	21.93	7.4	223	79.1	6.88	10.1	1
9/12/2008	11:30:00	22.04	7.37	205	79.5	6.91	10.1	1
9/12/2008	12:00:00	22.07	7.37	204	80	6.94	10.1	1
9/12/2008	12:30:00	22.14	7.37	209	80	6.94	10.1	1
9/12/2008	13:00:00	22.17	7.37	214	80.2	6.95	10.1	1
9/12/2008	13:30:00	22.27	7.37	220	80.4	6.96	10.1	1
9/12/2008	14:00:00	22.36	7.37	226	80.5	6.95	10.1	1
9/12/2008	14:30:00	22.39	7.38	230	80.9	6.98	10.1	1
9/12/2008	15:00:00	22.48	7.38	234	80.9	6.96	10.1	1
9/12/2008	15:30:00	22.53	7.38	239	81.2	6.98	10.1	1
9/12/2008	16:00:00	22.67	7.4	244	81.2	6.96	10.1	1
9/12/2008	16:30:00	22.72	7.4	247	81.3	6.97	10.1	1
9/12/2008	17:00:00	22.81	7.4	252	81.3	6.96	10.1	1
9/12/2008	17:30:00	22.87	7.41	257	81.5	6.96	10.1	1
9/12/2008	18:00:00	22.86	7.41	260	81.3	6.95	10.1	1
9/12/2008	18:30:00	22.89	7.41	265	81.1	6.93	10.1	1
9/12/2008	19:00:00	22.89	7.41	269	81	6.92	10.1	1
9/12/2008	19:30:00	22.87	7.41	275	80.8	6.9	10.1	1
9/12/2008	20:00:00	22.86	7.41	281	80.8	6.91	10.1	1
9/12/2008	20:30:00	22.84	7.41	285	80.4	6.88	10.1	1
9/12/2008	21:00:00	22.81	7.41	290	80.2	6.86	10.1	1
9/12/2008	21:30:00	22.8	7.42	295	80.1	6.85	10.1	1
9/12/2008	22:00:00	22.79	7.42	300	80	6.85	10.1	1
9/12/2008	22:30:00	22.77	7.42	305	79.7	6.83	10.1	1
9/12/2008	23:00:00	22.75	7.43	310	79.5	6.81	10.1	1
9/12/2008	23:30:00	22.74	7.43	314	79.3	6.79	10.1	1
9/13/2008	0:00:00	22.74	7.44	319	79.1	6.77	10.1	1
9/13/2008	0:30:00	22.73	7.44	324	79	6.77	10.1	1
9/13/2008	1:00:00	22.72	7.44	328	78.9	6.76	10.1	1
9/13/2008	1:30:00	22.72	7.45	332	78.7	6.75	10.1	1
9/13/2008	2:00:00	22.73	7.45	337	78.4	6.72	10.1	1
9/13/2008	2:30:00	22.73	7.45	342	78.2	6.7	10.1	1
9/13/2008	3:00:00	22.73	7.46	347	78	6.68	10.1	1
9/13/2008	3:30:00	22.74	7.46	352	77.8	6.66	10.1	1
9/13/2008	4:00:00	22.75	7.46	357	77.5	6.63	10.1	1
9/13/2008	4:30:00	22.75	7.46	362	77.4	6.63	10.1	1
9/13/2008	5:00:00	22.76	7.46	366	77.2	6.61	10.1	1
9/13/2008	5:30:00	22.77	7.46	369	77.1	6.6	10.1	1
9/13/2008	6:00:00	22.77	7.47	373	77.1	6.6	10.1	1
9/13/2008	6:30:00	22.76	7.47	376	76.8	6.57	10.1	1
9/13/2008	7:00:00	22.76	7.47	378	76.9	6.58	10.1	1
9/13/2008	7:30:00	22.77	7.47	381	76.7	6.56	10.1	1
9/13/2008	8:00:00	22.79	7.48	383	76.9	6.58	10.1	1
9/13/2008	8:30:00	22.81	7.48	385	77.1	6.6	10.1	1
9/13/2008	9:00:00	22.84	7.49	387	77.9	6.66	10.1	1
9/13/2008	9:30:00	22.91	7.5	390	78.8	6.72	10.1	1
9/13/2008	10:00:00	23	7.52	391	79.8	6.8	10.1	1

9/13/2008	10:30:00	23.14	7.53	393	81.1	6.89	10.1	1
9/13/2008	11:00:00	23.29	7.55	395	82.5	6.99	10	1
9/13/2008	11:30:00	23.41	7.57	396	83.7	7.08	10.1	1
9/13/2008	12:00:00	23.49	7.58	397	84.5	7.13	10.1	1
9/13/2008	12:30:00	23.59	7.59	397	85.7	7.22	10	1
9/13/2008	13:00:00	23.7	7.61	398	86.5	7.27	10	1
9/13/2008	13:30:00	23.86	7.62	397	87.6	7.34	10.1	1
9/13/2008	14:00:00	24.02	7.64	396	88.3	7.38	10.1	1
9/13/2008	14:30:00	24.18	7.65	397	89.1	7.42	10.1	1
9/13/2008	15:00:00	24.31	7.67	397	89.9	7.47	10	1
9/13/2008	15:30:00	24.42	7.68	396	90.3	7.49	10.1	1
9/13/2008	16:00:00	24.41	7.67	397	89.4	7.42	10.1	1
9/13/2008	16:30:00	24.47	7.67	398	89.1	7.39	10.1	1
9/13/2008	17:00:00	24.51	7.67	399	89	7.37	10	1
9/13/2008	17:30:00	24.59	7.68	401	88.7	7.34	10.1	1
9/13/2008	18:00:00	24.58	7.67	403	88.1	7.29	10.1	1
9/13/2008	18:30:00	24.53	7.66	404	86.9	7.19	10	1
9/13/2008	19:00:00	24.48	7.65	407	86	7.13	10.1	1
9/13/2008	19:30:00	24.41	7.63	411	84.7	7.03	10.1	1
9/13/2008	20:00:00	24.36	7.62	415	83.9	6.97	10.1	1
9/13/2008	20:30:00	24.33	7.61	422	83	6.9	10.1	1
9/13/2008	21:00:00	24.31	7.61	431	82.4	6.85	10	1
9/13/2008	21:30:00	24.27	7.61	441	81.9	6.81	10	1
9/13/2008	22:00:00	24.22	7.61	451	81.4	6.78	10.1	1
9/13/2008	22:30:00	24.16	7.61	463	80.9	6.74	10	1
9/13/2008	23:00:00	24.11	7.6	474	80.6	6.72	10.1	1
9/13/2008	23:30:00	24.05	7.6	485	80.1	6.69	10	1
9/14/2008	0:00:00	23.99	7.6	494	79.9	6.68	10	1
9/14/2008	0:30:00	23.94	7.6	503	79.5	6.65	10	1
9/14/2008	1:00:00	23.88	7.6	509	79.3	6.64	10	1
9/14/2008	1:30:00	23.84	7.6	515	79	6.63	10	1
9/14/2008	2:00:00	23.79	7.59	519	78.7	6.6	10	1
9/14/2008	2:30:00	23.75	7.59	523	78.4	6.59	10	1
9/14/2008	3:00:00	23.72	7.59	526	78.2	6.57	10	1
9/14/2008	3:30:00	23.69	7.59	529	78	6.55	10	1
9/14/2008	4:00:00	23.66	7.59	531	77.6	6.53	10	1
9/14/2008	4:30:00	23.62	7.59	531	77.4	6.51	10	1
9/14/2008	5:00:00	23.59	7.58	531	76.9	6.48	10	1
9/14/2008	5:30:00	23.55	7.58	531	76.7	6.46	10	1
9/14/2008	6:00:00	23.52	7.57	529	76.2	6.43	10	1
9/14/2008	6:30:00	23.49	7.58	517	76.4	6.45	10	1
9/14/2008	7:00:00	23.49	7.58	461	78.3	6.61	10	1
9/14/2008	7:30:00	23.49	7.47	351	81.5	6.88	10	1
9/14/2008	8:00:00	23.47	7.35	247	81.7	6.9	10	1
9/14/2008	8:30:00	23.01	7.42	222	87.4	7.45	10	1
9/14/2008	9:00:00	21.64	7.49	149	88.6	7.76	10	1
9/14/2008	9:30:00	21.4	7.54	121	85.8	7.54	9.9	1
9/14/2008	10:00:00	21.21	7.54	110	84.4	7.45	9.9	1
9/14/2008	10:30:00	21.06	7.39	117	83.7	7.41	9.9	1
9/14/2008	11:00:00	21.36	7.29	156	81	7.13	9.9	1
9/14/2008	11:30:00	21.61	7.27	173	80.1	7.01	9.9	1

9/14/2008	12:00:00	21.71	7.26	178	79.9	6.98	9.9	1
9/14/2008	12:30:00	21.78	7.26	178	79.9	6.98	9.9	1
9/14/2008	13:00:00	21.88	7.25	178	80.1	6.98	9.9	1
9/14/2008	13:30:00	21.9	7.24	178	80	6.97	9.9	1
9/14/2008	14:00:00	21.88	7.21	175	79.1	6.89	9.9	1
9/14/2008	14:30:00	21.77	7.17	161	77.6	6.78	9.9	1
9/14/2008	15:00:00	21.61	7.15	144	76.7	6.72	9.8	1
9/14/2008	15:30:00	21.44	7.09	134	76.3	6.7	9.9	1
9/14/2008	16:00:00	21.31	7.1	129	76.2	6.71	9.9	1
9/14/2008	16:30:00	21.23	7.07	125	76.2	6.72	9.9	1
9/14/2008	17:00:00	21.18	7.06	124	76.1	6.72	9.9	1
9/14/2008	17:30:00	21.15	7.03	127	75.9	6.71	9.8	1
9/14/2008	18:00:00	21.14	7.06	131	75.8	6.7	9.8	1
9/14/2008	18:30:00	21.17	7.1	139	75.4	6.66	9.8	1
9/14/2008	19:00:00	21.21	7.16	152	74.9	6.61	9.8	1
9/14/2008	19:30:00	21.25	7.14	166	74.3	6.55	9.8	1
9/14/2008	20:00:00	21.31	7.17	185	73.7	6.49	9.8	1
9/14/2008	20:30:00	21.32	7.16	197	73.4	6.46	9.9	1
9/14/2008	21:00:00	21.31	7.15	210	74.3	6.55	9.8	1
9/14/2008	21:30:00	21.29	7.15	221	75.5	6.65	9.8	1
9/14/2008	22:00:00	21.26	7.16	231	76.5	6.74	9.9	1
9/14/2008	22:30:00	21.23	7.18	237	77.3	6.82	9.8	1
9/14/2008	23:00:00	21.18	7.2	244	77.8	6.87	9.8	1
9/14/2008	23:30:00	21.14	7.21	248	78	6.89	9.8	1
9/15/2008	0:00:00	21.08	7.22	251	78.1	6.91	9.8	1
9/15/2008	0:30:00	21.03	7.23	256	78.4	6.94	9.8	1
9/15/2008	1:00:00	20.97	7.24	262	78.5	6.96	9.8	1
9/15/2008	1:30:00	20.91	7.25	268	78.4	6.96	9.8	1
9/15/2008	2:00:00	20.86	7.26	278	78.5	6.97	9.8	1
9/15/2008	2:30:00	20.81	7.27	283	78.7	7	9.8	1
9/15/2008	3:00:00	20.76	7.28	286	78.7	7	9.8	1
9/15/2008	3:30:00	20.69	7.28	286	78.5	7	9.8	1
9/15/2008	4:00:00	20.63	7.28	288	78	6.96	9.8	1
9/15/2008	4:30:00	20.56	7.28	293	77.8	6.95	9.8	1
9/15/2008	5:00:00	20.52	7.29	302	77.9	6.97	9.8	1
9/15/2008	5:30:00	20.47	7.3	313	78.2	7	9.8	1
9/15/2008	6:00:00	20.41	7.31	315	78	6.99	9.8	1
9/15/2008	6:30:00	20.33	7.31	317	77.9	6.99	9.7	1
9/15/2008	7:00:00	20.25	7.31	317	77.6	6.98	9.8	1
9/15/2008	7:30:00	20.19	7.32	322	77.9	7.01	9.8	1
9/15/2008	8:00:00	20.16	7.33	331	78.1	7.04	9.8	1
9/15/2008	8:30:00	20.11	7.34	335	78.2	7.05	9.8	1
9/15/2008	9:00:00	20.05	7.34	335	78.4	7.07	9.7	1
9/15/2008	9:30:00	20	7.34	336	78.3	7.08	9.7	1
9/15/2008	10:00:00	19.98	7.35	339	78.7	7.11	9.7	1
9/15/2008	10:30:00	19.99	7.36	343	79.1	7.15	9.7	1

MiniSonde 4a 42450								
Log File Name : OCF-96_07-22-2008								
Setup Date (M/D/YYYY) : 7/21/2008								
Setup Time (HH:MM:SS) : 15:19:31								
Starting Date (M/D/YYYY) : 7/22/2008								
Starting Time (HH:MM:SS) : 09:00:00								
Stopping Date (M/D/YYYY) : 7/29/2008								
Stopping Time (HH:MM:SS) : 09:00:00								
Interval (HH:MM:SS) : 00:30:00								
Sensor warmup (HH:MM:SS) : 00:01:00								
Circltr warmup (HH:MM:SS) : 00:01:00								
Date	Time	Temp	pH	SpCond	DO%	DO	IBatt	Circ
M/D/YYYY	HH:MM:SS	°C	Units	µS/cm	Sat	mg/l	Volts	Status
7/22/2008	9:00:00	23.78	7.7	678	58.3	4.87	11.2	1
7/22/2008	9:30:00	23.82	7.69	677	59.2	4.94	11.2	1
7/22/2008	10:00:00	23.85	7.7	676	59.8	4.99	11.2	1
7/22/2008	10:30:00	23.88	7.72	675	60.8	5.07	11.2	1
7/22/2008	11:00:00	23.99	7.74	676	63.7	5.3	11.2	1
7/22/2008	11:30:00	24.09	7.78	677	68.8	5.71	11.2	1
7/22/2008	12:00:00	24.06	7.8	677	70.1	5.82	11.2	1
7/22/2008	12:30:00	24.02	7.8	677	70.8	5.89	11.1	1
7/22/2008	13:00:00	24.09	7.83	680	73.4	6.1	11.2	1
7/22/2008	13:30:00	24.11	7.84	682	75.2	6.24	11.2	1
7/22/2008	14:00:00	24.09	7.85	681	75.6	6.28	11.2	1
7/22/2008	14:30:00	24.06	7.85	680	76.1	6.32	11.2	1
7/22/2008	15:00:00	24.1	7.87	681	77.7	6.45	11.2	1
7/22/2008	15:30:00	24.23	7.89	686	80.5	6.67	11.1	1
7/22/2008	16:00:00	24.53	7.93	691	85.3	7.02	11.2	1
7/22/2008	16:30:00	24.7	7.94	692	85.1	6.99	11.2	1
7/22/2008	17:00:00	24.65	7.93	690	82.4	6.78	11.1	1
7/22/2008	17:30:00	24.68	7.91	685	83.1	6.83	11.1	1
7/22/2008	18:00:00	24.64	7.9	681	81.3	6.68	11.2	1
7/22/2008	18:30:00	24.55	7.88	677	78.6	6.47	11.1	1
7/22/2008	19:00:00	24.46	7.87	674	77.7	6.4	11.1	1
7/22/2008	19:30:00	24.37	7.85	673	76	6.28	11.2	1
7/22/2008	20:00:00	24.3	7.84	673	74.5	6.16	11.2	1
7/22/2008	20:30:00	24.23	7.83	673	73.7	6.11	11.1	1
7/22/2008	21:00:00	24.15	7.82	673	72.8	6.04	11.1	1
7/22/2008	21:30:00	24.08	7.81	673	72.1	5.99	11.2	1
7/22/2008	22:00:00	24.04	7.81	673	71.9	5.97	11.1	1
7/22/2008	22:30:00	24	7.8	673	71.2	5.93	11.1	1
7/22/2008	23:00:00	23.95	7.79	672	70.7	5.89	11.1	1
7/22/2008	23:30:00	23.9	7.79	672	69.7	5.81	11.2	1
7/23/2008	0:00:00	23.85	7.78	672	68.8	5.74	11.2	1
7/23/2008	0:30:00	23.78	7.78	671	68	5.68	11.2	1
7/23/2008	1:00:00	23.71	7.77	670	67.3	5.63	11.1	1
7/23/2008	1:30:00	23.63	7.76	670	66.4	5.56	11.1	1
7/23/2008	2:00:00	23.56	7.75	669	66.4	5.57	11.1	1
7/23/2008	2:30:00	23.47	7.75	670	65.2	5.48	11.1	1

7/23/2008	3:00:00	23.41	7.74	669	64.9	5.46	11.1	1
7/23/2008	3:30:00	23.35	7.74	670	64.7	5.45	11.1	1
7/23/2008	4:00:00	23.27	7.74	670	63.8	5.38	11.1	1
7/23/2008	4:30:00	23.17	7.73	670	63.3	5.35	11.1	1
7/23/2008	5:00:00	23.08	7.73	671	63	5.33	11.1	1
7/23/2008	5:30:00	22.99	7.73	672	62.6	5.31	11.1	1
7/23/2008	6:00:00	22.88	7.72	672	62.8	5.33	11.1	1
7/23/2008	6:30:00	22.78	7.72	672	62.6	5.33	11.1	1
7/23/2008	7:00:00	22.71	7.72	673	61.8	5.27	11.1	1
7/23/2008	7:30:00	22.65	7.72	674	61.8	5.27	11.1	1
7/23/2008	8:00:00	22.59	7.72	674	62	5.3	11.1	1
7/23/2008	8:30:00	22.53	7.72	675	62.3	5.33	11.1	1
7/23/2008	9:00:00	22.47	7.72	674	62.8	5.38	11.1	1
7/23/2008	9:30:00	22.45	7.73	674	63.8	5.47	11.1	1
7/23/2008	10:00:00	22.5	7.74	673	65.9	5.64	11.1	1
7/23/2008	10:30:00	22.55	7.74	672	66.4	5.68	11.1	1
7/23/2008	11:00:00	22.62	7.75	670	68.9	5.88	11.1	1
7/23/2008	11:30:00	22.68	7.76	668	69.5	5.92	11.1	1
7/23/2008	12:00:00	22.83	7.76	666	71.3	6.06	11.1	1
7/23/2008	12:30:00	23.06	7.78	663	74.6	6.32	11.1	1
7/23/2008	13:00:00	23.36	7.8	660	78.2	6.59	11.1	1
7/23/2008	13:30:00	23.82	7.84	657	84	7.01	11.1	1
7/23/2008	14:00:00	24.32	7.86	653	89.8	7.42	11.1	1
7/23/2008	14:30:00	24.79	7.92	649	96.4	7.91	11.1	1
7/23/2008	15:00:00	24.89	7.9	648	96.4	7.89	11.1	1
7/23/2008	15:30:00	25.28	7.95	645	102.2	8.31	11.1	1
7/23/2008	16:00:00	25.69	7.98	641	107.8	8.7	11.1	1
7/23/2008	16:30:00	26	8.01	637	112.8	9.05	11.1	1
7/23/2008	17:00:00	26.44	8.07	630	114.2	9.08	11.1	1
7/23/2008	17:30:00	26.41	8.07	628	111.8	8.9	11.1	1
7/23/2008	18:00:00	26.15	8.04	625	106.6	8.53	11.1	1
7/23/2008	18:30:00	25.74	7.99	623	96.9	7.81	11.1	1
7/23/2008	19:00:00	25.29	7.92	621	86.8	7.05	11.1	1
7/23/2008	19:30:00	24.78	7.83	619	73.1	5.99	11.1	1
7/23/2008	20:00:00	24.42	7.77	615	65.4	5.4	11.1	1
7/23/2008	20:30:00	24.08	7.73	611	59.6	4.96	11.1	1
7/23/2008	21:00:00	23.88	7.7	607	56.7	4.73	11.1	1
7/23/2008	21:30:00	23.69	7.68	603	55.9	4.68	11.1	1
7/23/2008	22:00:00	23.53	7.67	598	54.8	4.6	11.1	1
7/23/2008	22:30:00	23.37	7.66	594	54.4	4.58	11.1	1
7/23/2008	23:00:00	23.22	7.65	591	53.8	4.54	11.1	1
7/23/2008	23:30:00	23.07	7.65	588	54	4.57	11.1	1
7/24/2008	0:00:00	22.94	7.64	585	54.3	4.61	11.1	1
7/24/2008	0:30:00	22.82	7.63	581	54	4.59	11.1	1
7/24/2008	1:00:00	22.7	7.63	578	53.8	4.59	11.1	1
7/24/2008	1:30:00	22.59	7.63	576	52.9	4.53	11.1	1
7/24/2008	2:00:00	22.49	7.62	573	53.5	4.59	11.1	1
7/24/2008	2:30:00	22.4	7.62	569	52.7	4.52	11.1	1
7/24/2008	3:00:00	22.31	7.61	567	53.1	4.56	11.1	1
7/24/2008	3:30:00	22.2	7.61	564	53	4.57	11.1	1
7/24/2008	4:00:00	22.1	7.61	561	53.2	4.59	11.1	1

7/24/2008	4:30:00	21.99	7.61	559	53.5	4.62	11.1	1
7/24/2008	5:00:00	21.89	7.61	557	53.7	4.65	11.1	1
7/24/2008	5:30:00	21.76	7.61	556	54	4.69	11.1	1
7/24/2008	6:00:00	21.62	7.61	555	53.9	4.7	11.1	1
7/24/2008	6:30:00	21.51	7.61	554	53.9	4.71	11.1	1
7/24/2008	7:00:00	21.42	7.61	553	53.9	4.72	11.1	1
7/24/2008	7:30:00	21.38	7.62	553	55	4.81	11.1	1
7/24/2008	8:00:00	21.36	7.62	553	56.3	4.93	11.1	1
7/24/2008	8:30:00	21.37	7.63	553	57.7	5.05	11.1	1
7/24/2008	9:00:00	21.41	7.64	554	59.1	5.17	11.1	1
7/24/2008	9:30:00	21.45	7.66	555	61.4	5.36	11	1
7/24/2008	10:00:00	21.48	7.67	555	64.2	5.61	11.1	1
7/24/2008	10:30:00	21.51	7.68	556	65.9	5.75	11.1	1
7/24/2008	11:00:00	21.52	7.7	557	67.2	5.87	11.1	1
7/24/2008	11:30:00	21.53	7.71	558	68.7	5.99	11.1	1
7/24/2008	12:00:00	21.53	7.71	559	69.2	6.04	11.1	1
7/24/2008	12:30:00	21.52	7.72	560	68.4	5.97	11.1	1
7/24/2008	13:00:00	21.53	7.72	558	69.5	6.06	11.1	1
7/24/2008	13:30:00	21.53	7.74	558	71.3	6.22	11.1	1
7/24/2008	14:00:00	21.57	7.75	558	73.4	6.4	11	1
7/24/2008	14:30:00	21.65	7.77	559	76.7	6.68	11	1
7/24/2008	15:00:00	21.69	7.78	561	78.8	6.85	11.1	1
7/24/2008	15:30:00	21.73	7.8	562	80.9	7.03	11.1	1
7/24/2008	16:00:00	21.8	7.81	562	81.8	7.1	11.1	1
7/24/2008	16:30:00	21.84	7.81	563	81.7	7.08	11.1	1
7/24/2008	17:00:00	21.86	7.82	564	81.2	7.04	11	1
7/24/2008	17:30:00	21.89	7.82	565	81.2	7.03	11.1	1
7/24/2008	18:00:00	21.92	7.82	565	80.2	6.94	11	1
7/24/2008	18:30:00	21.92	7.82	566	79.1	6.85	11.1	1
7/24/2008	19:00:00	21.91	7.8	566	76.7	6.65	11	1
7/24/2008	19:30:00	21.91	7.79	567	74.7	6.47	11	1
7/24/2008	20:00:00	21.87	7.77	568	70.9	6.15	11	1
7/24/2008	20:30:00	21.81	7.74	568	68	5.9	11	1
7/24/2008	21:00:00	21.75	7.73	568	65.3	5.67	11	1
7/24/2008	21:30:00	21.68	7.72	568	64	5.57	11	1
7/24/2008	22:00:00	21.62	7.71	568	63.4	5.52	11	1
7/24/2008	22:30:00	21.56	7.71	568	62.3	5.43	11.1	1
7/24/2008	23:00:00	21.53	7.71	568	62.7	5.47	11.1	1
7/24/2008	23:30:00	21.5	7.71	567	62.2	5.43	11	1
7/25/2008	0:00:00	21.48	7.71	566	62.8	5.48	11	1
7/25/2008	0:30:00	21.46	7.71	565	62.8	5.49	11	1
7/25/2008	1:00:00	21.44	7.71	564	61.8	5.4	11	1
7/25/2008	1:30:00	21.42	7.71	564	62	5.42	11	1
7/25/2008	2:00:00	21.4	7.7	563	62	5.42	11	1
7/25/2008	2:30:00	21.37	7.71	557	63.9	5.59	11	1
7/25/2008	3:00:00	21.18	7.74	507	71.3	6.27	11	1
7/25/2008	3:30:00	21.11	7.79	459	77.8	6.85	10.9	1
7/25/2008	4:00:00	21.01	7.77	386	79.6	7.02	11	1
7/25/2008	4:30:00	20.95	7.72	367	81	7.15	11	1
7/25/2008	5:00:00	20.97	7.74	386	82.3	7.26	10.9	1
7/25/2008	5:30:00	21.03	7.67	362	80.1	7.07	10.9	1

7/25/2008	6:00:00	20.91	7.61	256	79.3	7.01	11	1
7/25/2008	6:30:00	20.77	7.48	197	81	7.18	11	1
7/25/2008	7:00:00	20.72	7.39	176	79.9	7.09	11	1
7/25/2008	7:30:00	20.7	7.37	167	80.4	7.14	11	1
7/25/2008	8:00:00	20.72	7.41	214	80.6	7.15	10.9	1
7/25/2008	8:30:00	20.78	7.46	288	79.4	7.03	10.9	1
7/25/2008	9:00:00	20.88	7.52	333	79	6.99	11	1
7/25/2008	9:30:00	20.97	7.53	302	78.9	6.97	10.9	1
7/25/2008	10:00:00	21.05	7.51	265	79.9	7.04	11	1
7/25/2008	10:30:00	21.12	7.52	285	78.4	6.9	10.9	1
7/25/2008	11:00:00	21.18	7.53	314	78.5	6.9	11	1
7/25/2008	11:30:00	21.23	7.54	324	78.3	6.88	11	1
7/25/2008	12:00:00	21.33	7.54	317	77	6.75	11	1
7/25/2008	12:30:00	21.49	7.54	306	77.2	6.75	10.9	1
7/25/2008	13:00:00	21.68	7.54	296	76.9	6.7	10.9	1
7/25/2008	13:30:00	21.98	7.53	289	76.5	6.62	10.9	1
7/25/2008	14:00:00	22.27	7.53	285	76.9	6.62	10.9	1
7/25/2008	14:30:00	22.59	7.53	282	76.9	6.58	10.9	1
7/25/2008	15:00:00	22.85	7.52	282	76.8	6.54	10.9	1
7/25/2008	15:30:00	22.97	7.52	283	75.5	6.42	10.9	1
7/25/2008	16:00:00	23.06	7.52	286	75	6.36	11	1
7/25/2008	16:30:00	23.33	7.52	289	75.4	6.36	10.9	1
7/25/2008	17:00:00	23.24	7.51	294	74.1	6.26	11	1
7/25/2008	17:30:00	23.31	7.51	299	73	6.16	10.9	1
7/25/2008	18:00:00	23.37	7.5	305	72.7	6.13	10.9	1
7/25/2008	18:30:00	23.35	7.5	310	72.2	6.09	10.9	1
7/25/2008	19:00:00	23.34	7.5	316	70.9	5.98	11	1
7/25/2008	19:30:00	23.33	7.49	322	70.6	5.95	10.9	1
7/25/2008	20:00:00	23.31	7.49	328	70.2	5.93	10.9	1
7/25/2008	20:30:00	23.28	7.48	333	69.6	5.88	11	1
7/25/2008	21:00:00	23.25	7.48	337	68.7	5.8	10.9	1
7/25/2008	21:30:00	23.23	7.48	341	68.3	5.77	10.9	1
7/25/2008	22:00:00	23.23	7.47	345	68	5.75	10.9	1
7/25/2008	22:30:00	23.23	7.47	349	67.6	5.71	10.9	1
7/25/2008	23:00:00	23.22	7.47	351	67	5.67	10.9	1
7/25/2008	23:30:00	23.18	7.47	354	68.8	5.82	10.9	1
7/26/2008	0:00:00	23.16	7.47	357	67.3	5.7	10.9	1
7/26/2008	0:30:00	23.11	7.49	349	69.7	5.91	10.9	1
7/26/2008	1:00:00	23.09	7.5	351	71.2	6.04	10.9	1
7/26/2008	1:30:00	23.1	7.49	355	69.9	5.93	11	1
7/26/2008	2:00:00	23.07	7.48	354	69.6	5.9	11	1
7/26/2008	2:30:00	23.03	7.48	358	69.3	5.87	10.9	1
7/26/2008	3:00:00	23.01	7.48	360	69	5.86	10.9	1
7/26/2008	3:30:00	22.97	7.49	362	67.6	5.74	10.9	1
7/26/2008	4:00:00	22.95	7.49	367	67.9	5.77	11	1
7/26/2008	4:30:00	22.92	7.49	369	67.8	5.76	10.9	1
7/26/2008	5:00:00	22.89	7.49	372	66.9	5.69	10.9	1
7/26/2008	5:30:00	22.87	7.48	375	49.8	4.24	11	1
7/26/2008	6:00:00	22.83	7.47	379	46.3	3.95	11	1
7/26/2008	6:30:00	22.79	7.47	384	49.9	4.26	11	1
7/26/2008	7:00:00	22.77	7.46	385	44.2	3.77	11	1

7/26/2008	7:30:00	22.78	7.45	392	45.3	3.86	11	1
7/26/2008	8:00:00	22.8	7.45	391	42.2	3.59	10.9	1
7/26/2008	8:30:00	22.83	7.44	392	43.2	3.68	11	1
7/26/2008	9:00:00	22.88	7.45	400	44.5	3.78	11	1
7/26/2008	9:30:00	22.95	7.44	401	42.1	3.58	11	1
7/26/2008	10:00:00	23.05	7.44	406	42.7	3.62	11	1
7/26/2008	10:30:00	23.18	7.43	408	41.1	3.48	11	1
7/26/2008	11:00:00	23.31	7.43	409	43.1	3.64	11	1
7/26/2008	11:30:00	23.47	7.45	412	43.4	3.65	10.9	1
7/26/2008	12:00:00	23.71	7.45	415	43.4	3.63	11	1
7/26/2008	12:30:00	23.95	7.43	418	42	3.5	11	1
7/26/2008	13:00:00	24.2	7.44	420	45.5	3.77	11.1	1
7/26/2008	13:30:00	24.59	7.46	424	49.9	4.11	11.1	1
7/26/2008	14:00:00	24.9	7.46	425	48.5	3.97	11	1
7/26/2008	14:30:00	25.35	7.47	428	48.2	3.91	11	1
7/26/2008	15:00:00	25.77	7.48	429	49.3	3.98	11	1
7/26/2008	15:30:00	26.12	7.48	431	49.5	3.97	11	1
7/26/2008	16:00:00	26.41	7.49	433	48.2	3.84	11	1
7/26/2008	16:30:00	26.56	7.48	435	54.6	4.34	11	1
7/26/2008	17:00:00	26.62	7.48	434	49.1	3.89	11	1
7/26/2008	17:30:00	26.52	7.48	437	49.2	3.91	11	1
7/26/2008	18:00:00	26.37	7.48	438	45.2	3.6	11.1	1
7/26/2008	18:30:00	26.09	7.47	440	42.5	3.41	11	1
7/26/2008	19:00:00	25.79	7.47	440	41.4	3.34	11	1
7/26/2008	19:30:00	25.51	7.47	443	41.6	3.36	11	1
7/26/2008	20:00:00	25.36	7.45	443	39.5	3.21	11	1
7/26/2008	20:30:00	25.23	7.47	445	41.2	3.35	11	1
7/26/2008	21:00:00	25.15	7.47	447	40.7	3.32	11.1	1
7/26/2008	21:30:00	25.05	7.48	448	41.1	3.36	11	1
7/26/2008	22:00:00	24.94	7.47	449	39.6	3.24	11	1
7/26/2008	22:30:00	24.84	7.47	450	38.9	3.19	11	1
7/26/2008	23:00:00	24.75	7.47	452	38.5	3.16	11.1	1
7/26/2008	23:30:00	24.67	7.47	453	37.9	3.12	11	1
7/27/2008	0:00:00	24.58	7.46	454	38.3	3.16	11.1	1
7/27/2008	0:30:00	24.49	7.47	455	37.9	3.12	11.1	1
7/27/2008	1:00:00	24.41	7.47	456	38.4	3.18	11.1	1
7/27/2008	1:30:00	24.32	7.47	457	38.1	3.15	11	1
7/27/2008	2:00:00	24.22	7.48	458	38.8	3.22	11	1
7/27/2008	2:30:00	24.12	7.48	459	38.3	3.18	11	1
7/27/2008	3:00:00	23.99	7.47	461	37.1	3.09	11	1
7/27/2008	3:30:00	23.89	7.48	462	37.3	3.11	11	1
7/27/2008	4:00:00	23.77	7.48	463	36.9	3.09	11	1
7/27/2008	4:30:00	23.67	7.48	464	39.6	3.32	11	1
7/27/2008	5:00:00	23.57	7.48	466	39.1	3.28	11	1
7/27/2008	5:30:00	23.47	7.48	466	39.1	3.29	11	1
7/27/2008	6:00:00	23.37	7.48	468	40	3.37	11	1
7/27/2008	6:30:00	23.25	7.48	469	39.5	3.34	11	1
7/27/2008	7:00:00	23.16	7.48	471	39.4	3.34	11	1
7/27/2008	7:30:00	23.08	7.48	472	39.2	3.32	11.1	1
7/27/2008	8:00:00	23.05	7.48	474	38.9	3.3	11	1
7/27/2008	8:30:00	23.05	7.49	475	39.5	3.35	11	1

7/27/2008	9:00:00	23.06	7.48	477	39	3.31	11	1
7/27/2008	9:30:00	23.07	7.49	478	39.8	3.37	11	1
7/27/2008	10:00:00	23.13	7.49	482	39.3	3.33	11	1
7/27/2008	10:30:00	23.2	7.5	482	42	3.55	11	1
7/27/2008	11:00:00	23.27	7.5	483	43	3.63	11	1
7/27/2008	11:30:00	23.46	7.5	484	41	3.45	11	1
7/27/2008	12:00:00	23.63	7.52	486	41.9	3.52	11.1	1
7/27/2008	12:30:00	23.83	7.5	490	42.5	3.55	11	1
7/27/2008	13:00:00	24.19	7.52	491	47	3.9	11	1
7/27/2008	13:30:00	24.59	7.53	492	50.2	4.14	11	1
7/27/2008	14:00:00	24.67	7.53	494	50.4	4.14	11.1	1
7/27/2008	14:30:00	24.95	7.53	494	50.6	4.14	11	1
7/27/2008	15:00:00	25.11	7.53	495	52.4	4.28	11.1	1
7/27/2008	15:30:00	25.37	7.51	496	51.4	4.18	11	1
7/27/2008	16:00:00	25.7	7.51	496	51.3	4.14	11	1
7/27/2008	16:30:00	26.11	7.53	496	57.3	4.59	11	1
7/27/2008	17:00:00	26.41	7.54	497	60.5	4.82	11	1
7/27/2008	17:30:00	26.53	7.55	498	60.8	4.83	11	1
7/27/2008	18:00:00	26.9	7.54	503	59.2	4.67	11	1
7/27/2008	18:30:00	27.28	7.56	506	48.6	3.81	11	1
7/27/2008	19:00:00	26.92	7.56	508	45.5	3.59	11	1
7/27/2008	19:30:00	26.53	7.55	509	39.9	3.17	11	1
7/27/2008	20:00:00	26.21	7.54	510	39	3.12	11	1
7/27/2008	20:30:00	25.91	7.54	511	36.7	2.95	11	1
7/27/2008	21:00:00	25.66	7.53	512	36.1	2.91	11	1
7/27/2008	21:30:00	25.5	7.53	514	35.4	2.87	11.1	1
7/27/2008	22:00:00	25.41	7.53	514	38.3	3.11	11.1	1
7/27/2008	22:30:00	25.33	7.53	516	37	3	11	1
7/27/2008	23:00:00	25.28	7.53	516	35.8	2.91	11	1
7/27/2008	23:30:00	25.14	7.53	518	38.3	3.12	11	1
7/28/2008	0:00:00	24.85	7.53	517	36	2.95	11.1	1
7/28/2008	0:30:00	24.6	7.54	516	37.8	3.12	11	1
7/28/2008	1:00:00	24.33	7.54	514	38.7	3.2	11	1
7/28/2008	1:30:00	24.15	7.55	509	39.4	3.27	11	1
7/28/2008	2:00:00	24.01	7.57	503	42.4	3.53	11	1
7/28/2008	2:30:00	23.9	7.58	498	42.5	3.55	11	1
7/28/2008	3:00:00	23.83	7.58	498	44.5	3.71	11.1	1
7/28/2008	3:30:00	23.66	7.58	495	46.7	3.91	11	1
7/28/2008	4:00:00	23.54	7.59	504	48.7	4.09	11	1
7/28/2008	4:30:00	23.35	7.65	513	62.6	5.27	11	1
7/28/2008	5:00:00	23.62	7.72	550	65.7	5.51	11	1
7/28/2008	5:30:00	23.19	7.71	488	69.1	5.84	11	1
7/28/2008	6:00:00	22.7	7.68	475	79	6.74	10.9	1
7/28/2008	6:30:00	22.49	7.7	485	78.2	6.7	10.9	1
7/28/2008	7:00:00	22.41	7.68	412	76.8	6.59	10.8	1
7/28/2008	7:30:00	22.39	7.63	341	75.2	6.46	10.9	1
7/28/2008	8:00:00	22.38	7.59	307	74.8	6.43	10.8	1
7/28/2008	8:30:00	22.39	7.57	305	75.5	6.49	10.9	1
7/28/2008	9:00:00	22.42	7.57	304	74.8	6.42	10.9	1
7/28/2008	9:30:00	22.45	7.57	301	74.6	6.4	10.9	1
7/28/2008	10:00:00	22.49	7.56	299	75	6.43	10.9	1

7/28/2008	10:30:00	22.54	7.56	301	74.5	6.38	10.8	1
7/28/2008	11:00:00	22.61	7.55	305	73.9	6.32	10.9	1
7/28/2008	11:30:00	22.67	7.55	312	74.4	6.36	10.8	1
7/28/2008	12:00:00	22.74	7.55	319	74	6.32	10.9	1
7/28/2008	12:30:00	22.84	7.55	327	73.9	6.29	10.9	1
7/28/2008	13:00:00	22.93	7.55	334	74	6.29	10.9	1
7/28/2008	13:30:00	22.99	7.55	340	73.8	6.26	10.9	1
7/28/2008	14:00:00	23.15	7.55	345	74.4	6.3	10.9	1
7/28/2008	14:30:00	23.41	7.55	349	75.5	6.36	10.9	1
7/28/2008	15:00:00	23.76	7.56	352	77	6.44	10.9	1
7/28/2008	15:30:00	23.95	7.56	355	76.8	6.4	10.9	1
7/28/2008	16:00:00	23.97	7.56	357	75.9	6.32	10.9	1
7/28/2008	16:30:00	24.15	7.56	359	76.9	6.39	10.9	1
7/28/2008	17:00:00	24.2	7.55	361	75.9	6.3	10.9	1
7/28/2008	17:30:00	24.25	7.55	363	74.7	6.2	10.8	1
7/28/2008	18:00:00	24.28	7.54	365	73.9	6.12	10.9	1
7/28/2008	18:30:00	24.28	7.54	367	72.4	5.99	10.8	1
7/28/2008	19:00:00	24.28	7.53	369	72	5.97	10.8	1
7/28/2008	19:30:00	24.26	7.53	371	71	5.89	10.9	1
7/28/2008	20:00:00	24.21	7.52	373	70.9	5.88	10.9	1
7/28/2008	20:30:00	24.15	7.52	375	70.5	5.85	10.8	1
7/28/2008	21:00:00	24.11	7.52	377	68.9	5.73	10.9	1
7/28/2008	21:30:00	24.06	7.51	379	69.1	5.75	10.8	1
7/28/2008	22:00:00	24.01	7.51	381	68.2	5.68	10.9	1
7/28/2008	22:30:00	23.95	7.51	384	68	5.67	10.9	1
7/28/2008	23:00:00	23.89	7.51	386	67.6	5.64	10.9	1
7/28/2008	23:30:00	23.83	7.5	388	67.3	5.62	10.8	1
7/29/2008	0:00:00	23.78	7.51	391	66.7	5.58	10.9	1
7/29/2008	0:30:00	23.73	7.51	393	66	5.52	10.9	1
7/29/2008	1:00:00	23.68	7.51	395	65.7	5.5	10.8	1
7/29/2008	1:30:00	23.61	7.51	398	65.6	5.51	10.8	1
7/29/2008	2:00:00	23.55	7.51	401	65.4	5.49	10.8	1
7/29/2008	2:30:00	23.49	7.51	403	65.1	5.47	10.9	1
7/29/2008	3:00:00	23.44	7.5	406	65.1	5.48	10.8	1
7/29/2008	3:30:00	23.39	7.51	408	64.8	5.46	10.8	1
7/29/2008	4:00:00	23.33	7.5	411	65.5	5.52	10.8	1
7/29/2008	4:30:00	23.28	7.5	413	65.1	5.49	10.9	1
7/29/2008	5:00:00	23.25	7.5	404	65	5.49	10.8	1
7/29/2008	5:30:00	23.19	7.51	418	65	5.49	10.9	1
7/29/2008	6:00:00	23.14	7.5	420	65.1	5.51	10.8	1
7/29/2008	6:30:00	23.09	7.51	422	64.2	5.44	10.8	1
7/29/2008	7:00:00	23.07	7.5	424	64.6	5.47	10.9	1
7/29/2008	7:30:00	23.08	7.5	427	64.6	5.48	10.8	1
7/29/2008	8:00:00	23.11	7.5	428	64.6	5.47	10.8	1
7/29/2008	8:30:00	23.15	7.5	430	64.6	5.46	10.8	1
7/29/2008	9:00:00	23.21	7.5	432	64.6	5.46	10.8	1

Hydrolab MS5 45483								
Log File Name : OCF-96_09-08-2008								
Setup Date (M/D/YYYY) : 9/8/2008								
Setup Time (HH:MM:SS) : 04:02:34								
Starting Date (M/D/YYYY) : 9/8/2008								
Starting Time (HH:MM:SS) : 09:00:00								
Stopping Date (M/D/YYYY) : 9/15/2008								
Stopping Time (HH:MM:SS) : 09:00:00								
Interval (HH:MM:SS) : 00:30:00								
Sensor warmup (HH:MM:SS) : 00:01:00								
Circldr warmup (HH:MM:SS) : 00:01:00								
Date	Time	Temp	pH	SpCond	LDO%	LDO	IBatt	Circ
M/D/YYYY	HH:MM:SS	°C	Units	µS/cm	Sat	mg/l	Volts	Status
9/8/2008	9:00:00	18.32	7.51	524	74	6.91	10.6	1
9/8/2008	9:30:00	18.39	7.53	525	74.5	6.95	10.6	1
9/8/2008	10:00:00	18.47	7.54	527	74.8	6.96	10.5	1
9/8/2008	10:30:00	18.58	7.55	528	75.2	6.98	10.5	1
9/8/2008	11:00:00	18.69	7.56	531	75.4	6.99	10.5	1
9/8/2008	11:30:00	18.89	7.56	532	75.8	7	10.5	1
9/8/2008	12:00:00	19.13	7.56	533	76.6	7.04	10.5	1
9/8/2008	12:30:00	19.47	7.57	535	77.4	7.07	10.5	1
9/8/2008	13:00:00	19.85	7.57	537	78.2	7.08	10.5	1
9/8/2008	13:30:00	20.2	7.57	540	79.1	7.11	10.5	1
9/8/2008	14:00:00	20.55	7.57	542	79.3	7.08	10.5	1
9/8/2008	14:30:00	20.76	7.58	542	80.2	7.13	10.5	1
9/8/2008	15:00:00	20.83	7.58	544	79.9	7.1	10.4	1
9/8/2008	15:30:00	20.86	7.58	545	79.9	7.09	10.4	1
9/8/2008	16:00:00	20.92	7.58	548	79.7	7.06	10.4	1
9/8/2008	16:30:00	20.98	7.59	550	80	7.08	10.4	1
9/8/2008	17:00:00	20.98	7.6	552	80	7.08	10.4	1
9/8/2008	17:30:00	20.91	7.6	556	79.7	7.07	10.4	1
9/8/2008	18:00:00	20.87	7.6	557	78.4	6.96	10.4	1
9/8/2008	18:30:00	20.86	7.59	560	77.9	6.92	10.4	1
9/8/2008	19:00:00	20.85	7.59	562	76.9	6.82	10.4	1
9/8/2008	19:30:00	20.82	7.59	564	76.3	6.78	10.4	1
9/8/2008	20:00:00	20.79	7.58	566	75.6	6.72	10.4	1
9/8/2008	20:30:00	20.77	7.57	568	75.1	6.68	10.4	1
9/8/2008	21:00:00	20.72	7.57	570	74.2	6.6	10.4	1
9/8/2008	21:30:00	20.65	7.57	571	73.9	6.58	10.4	1
9/8/2008	22:00:00	20.55	7.57	571	73	6.52	10.4	1
9/8/2008	22:30:00	20.47	7.57	574	72.6	6.5	10.4	1
9/8/2008	23:00:00	20.39	7.57	576	72.5	6.49	10.4	1
9/8/2008	23:30:00	20.29	7.58	577	72.4	6.5	10.4	1
9/9/2008	0:00:00	20.18	7.58	578	72	6.48	10.4	1
9/9/2008	0:30:00	20.02	7.58	580	71.8	6.48	10.4	1
9/9/2008	1:00:00	19.83	7.58	583	71.5	6.47	10.4	1
9/9/2008	1:30:00	19.66	7.59	585	71.7	6.51	10.4	1
9/9/2008	2:00:00	19.52	7.59	586	72	6.57	10.4	1
9/9/2008	2:30:00	19.38	7.6	588	72.3	6.61	10.4	1

9/9/2008	3:00:00	19.25	7.6	589	72.2	6.62	10.4	1
9/9/2008	3:30:00	19.11	7.6	591	72.4	6.65	10.4	1
9/9/2008	4:00:00	18.97	7.61	592	72.4	6.67	10.4	1
9/9/2008	4:30:00	18.85	7.61	593	72.4	6.69	10.4	1
9/9/2008	5:00:00	18.71	7.61	594	72.7	6.73	10.4	1
9/9/2008	5:30:00	18.61	7.61	595	72.6	6.74	10.4	1
9/9/2008	6:00:00	18.48	7.62	595	72.8	6.78	10.4	1
9/9/2008	6:30:00	18.37	7.62	595	73.1	6.82	10.4	1
9/9/2008	7:00:00	18.26	7.63	595	72.9	6.81	10.4	1
9/9/2008	7:30:00	18.15	7.63	595	73.1	6.85	10.4	1
9/9/2008	8:00:00	18.05	7.63	595	73.3	6.88	10.3	1
9/9/2008	8:30:00	17.95	7.63	595	73.1	6.88	10.3	1
9/9/2008	9:00:00	17.85	7.63	595	73.4	6.92	10.3	1
9/9/2008	9:30:00	17.78	7.63	595	73.8	6.97	10.3	1
9/9/2008	10:00:00	17.72	7.64	595	74.2	7.01	10.3	1
9/9/2008	10:30:00	17.71	7.64	595	74.8	7.07	10.3	1
9/9/2008	11:00:00	17.67	7.65	596	75.3	7.12	10.3	1
9/9/2008	11:30:00	17.72	7.65	595	75.8	7.16	10.3	1
9/9/2008	12:00:00	17.82	7.65	596	76.4	7.21	10.3	1
9/9/2008	12:30:00	17.99	7.65	597	77	7.24	10.3	1
9/9/2008	13:00:00	18.24	7.65	598	77.6	7.26	10.3	1
9/9/2008	13:30:00	18.62	7.65	599	78.4	7.28	10.3	1
9/9/2008	14:00:00	19.06	7.66	599	79.4	7.3	10.3	1
9/9/2008	14:30:00	19.56	7.65	600	79.7	7.25	10.3	1
9/9/2008	15:00:00	19.84	7.65	601	79.3	7.18	10.3	1
9/9/2008	15:30:00	20.12	7.65	602	80.7	7.26	10.3	1
9/9/2008	16:00:00	20.28	7.65	602	81.2	7.29	10.3	1
9/9/2008	16:30:00	20.35	7.65	603	80.8	7.24	10.3	1
9/9/2008	17:00:00	20.14	7.65	604	80.3	7.23	10.3	1
9/9/2008	17:30:00	19.79	7.65	604	78.8	7.14	10.3	1
9/9/2008	18:00:00	19.42	7.65	603	77.3	7.05	10.3	1
9/9/2008	18:30:00	19.11	7.65	603	75.4	6.93	10.3	1
9/9/2008	19:00:00	18.92	7.64	602	74.2	6.85	10.3	1
9/9/2008	19:30:00	18.78	7.63	602	72.8	6.74	10.3	1
9/9/2008	20:00:00	18.6	7.63	603	72	6.68	10.3	1
9/9/2008	20:30:00	18.41	7.62	604	71	6.62	10.3	1
9/9/2008	21:00:00	18.23	7.62	604	70.4	6.59	10.3	1
9/9/2008	21:30:00	18.08	7.62	604	70.1	6.58	10.2	1
9/9/2008	22:00:00	17.96	7.62	604	69.9	6.58	10.2	1
9/9/2008	22:30:00	17.86	7.61	605	69.8	6.58	10.2	1
9/9/2008	23:00:00	17.76	7.61	605	70.2	6.63	10.2	1
9/9/2008	23:30:00	17.65	7.62	606	70.4	6.66	10.2	1
9/10/2008	0:00:00	17.55	7.62	607	70.5	6.69	10.2	1
9/10/2008	0:30:00	17.44	7.62	607	70.7	6.72	10.2	1
9/10/2008	1:00:00	17.34	7.62	607	70.6	6.73	10.2	1
9/10/2008	1:30:00	17.24	7.62	608	70.8	6.76	10.2	1
9/10/2008	2:00:00	17.15	7.62	608	70.7	6.76	10.2	1
9/10/2008	2:30:00	17.05	7.62	609	70.7	6.78	10.2	1
9/10/2008	3:00:00	16.97	7.62	610	70.8	6.8	10.2	1
9/10/2008	3:30:00	16.88	7.62	610	70.9	6.82	10.2	1
9/10/2008	4:00:00	16.79	7.63	610	71	6.84	10.2	1

9/10/2008	4:30:00	16.71	7.63	610	71.2	6.87	10.2	1
9/10/2008	5:00:00	16.63	7.63	612	71.1	6.88	10.2	1
9/10/2008	5:30:00	16.54	7.63	612	71.1	6.88	10.1	1
9/10/2008	6:00:00	16.46	7.63	613	71.1	6.9	10.2	1
9/10/2008	6:30:00	16.37	7.63	613	71.2	6.92	10.1	1
9/10/2008	7:00:00	16.28	7.63	614	71.3	6.95	10.1	1
9/10/2008	7:30:00	16.22	7.63	615	71.5	6.97	10.1	1
9/10/2008	8:00:00	16.18	7.63	615	71.9	7.02	10.1	1
9/10/2008	8:30:00	16.17	7.64	616	72.5	7.07	10.1	1
9/10/2008	9:00:00	16.18	7.64	617	72.9	7.12	10.1	1
9/10/2008	9:30:00	16.21	7.64	617	73.4	7.16	10.1	1
9/10/2008	10:00:00	16.27	7.64	618	74.1	7.22	10.1	1
9/10/2008	10:30:00	16.34	7.65	619	74.7	7.27	10.1	1
9/10/2008	11:00:00	16.41	7.65	620	74.9	7.27	10.1	1
9/10/2008	11:30:00	16.57	7.65	621	75.4	7.3	10.1	1
9/10/2008	12:00:00	16.8	7.65	621	75.8	7.3	10.1	1
9/10/2008	12:30:00	17.07	7.65	623	76.8	7.36	10.1	1
9/10/2008	13:00:00	17.46	7.65	624	77.9	7.4	10.1	1
9/10/2008	13:30:00	17.98	7.65	626	78.9	7.42	10.1	1
9/10/2008	14:00:00	18.54	7.64	627	79.6	7.4	10.1	1
9/10/2008	14:30:00	18.89	7.64	627	79.6	7.35	10.1	1
9/10/2008	15:00:00	19.23	7.63	629	79.8	7.31	10.1	1
9/10/2008	15:30:00	19.61	7.62	629	80.9	7.36	10.1	1
9/10/2008	16:00:00	19.98	7.62	629	81.4	7.35	10.1	1
9/10/2008	16:30:00	20.26	7.63	630	82.5	7.4	10.2	1
9/10/2008	17:00:00	20.28	7.63	630	82.1	7.37	10.1	1
9/10/2008	17:30:00	20.15	7.64	629	81.6	7.34	10.1	1
9/10/2008	18:00:00	19.92	7.64	630	79.9	7.22	10.2	1
9/10/2008	18:30:00	19.71	7.63	630	77.9	7.07	10.1	1
9/10/2008	19:00:00	19.58	7.63	629	76.2	6.94	10.1	1
9/10/2008	19:30:00	19.49	7.63	629	74.8	6.82	10.1	1
9/10/2008	20:00:00	19.35	7.62	630	73	6.68	10.1	1
9/10/2008	20:30:00	19.16	7.61	630	71.8	6.59	10.1	1
9/10/2008	21:00:00	18.96	7.61	629	70.8	6.52	10.1	1
9/10/2008	21:30:00	18.75	7.6	628	70.3	6.51	10.1	1
9/10/2008	22:00:00	18.62	7.6	628	70.6	6.55	10.1	1
9/10/2008	22:30:00	18.54	7.6	627	70.4	6.55	10.1	1
9/10/2008	23:00:00	18.49	7.6	627	70.7	6.58	10.1	1
9/10/2008	23:30:00	18.44	7.6	627	70.6	6.57	10.1	1
9/11/2008	0:00:00	18.41	7.6	627	70.5	6.57	10.1	1
9/11/2008	0:30:00	18.37	7.61	626	70.5	6.57	10.1	1
9/11/2008	1:00:00	18.35	7.61	627	70.2	6.55	10.1	1
9/11/2008	1:30:00	18.33	7.6	627	69.9	6.52	10.1	1
9/11/2008	2:00:00	18.31	7.6	626	69.4	6.48	10.1	1
9/11/2008	2:30:00	18.29	7.6	626	69.2	6.46	10.1	1
9/11/2008	3:00:00	18.27	7.6	626	68.9	6.44	10.1	1
9/11/2008	3:30:00	18.24	7.6	625	68.8	6.44	10.1	1
9/11/2008	4:00:00	18.22	7.6	626	68.8	6.43	10.1	1
9/11/2008	4:30:00	18.19	7.6	626	68.9	6.45	10.1	1
9/11/2008	5:00:00	18.17	7.6	625	68.7	6.43	10.1	1
9/11/2008	5:30:00	18.15	7.6	625	68.7	6.44	10.1	1

9/11/2008	6:00:00	18.13	7.6	625	68.7	6.44	10.1	1
9/11/2008	6:30:00	18.11	7.6	626	68.9	6.46	10.1	1
9/11/2008	7:00:00	18.1	7.6	626	68.7	6.44	10.1	1
9/11/2008	7:30:00	18.09	7.6	627	68.8	6.45	10.1	1
9/11/2008	8:00:00	18.08	7.6	627	68.7	6.45	10.1	1
9/11/2008	8:30:00	18.09	7.6	627	69.1	6.48	10.1	1
9/11/2008	9:00:00	18.11	7.6	627	69.2	6.49	10.1	1
9/11/2008	9:30:00	18.14	7.61	628	69.6	6.52	10.1	1
9/11/2008	10:00:00	18.18	7.61	628	70.6	6.61	10.1	1
9/11/2008	10:30:00	18.22	7.62	629	71.1	6.65	10.1	1
9/11/2008	11:00:00	18.27	7.62	630	71.9	6.72	10.1	1
9/11/2008	11:30:00	18.35	7.62	631	72.7	6.78	10.1	1
9/11/2008	12:00:00	18.46	7.63	631	73.4	6.83	10.1	1
9/11/2008	12:30:00	18.61	7.63	632	74.4	6.91	10.1	1
9/11/2008	13:00:00	18.8	7.63	634	76	7.02	10.1	1
9/11/2008	13:30:00	19	7.63	633	77	7.09	10.1	1
9/11/2008	14:00:00	19.24	7.64	635	78.7	7.21	10.1	1
9/11/2008	14:30:00	19.38	7.65	636	79.8	7.29	10.1	1
9/11/2008	15:00:00	19.5	7.64	635	79.6	7.25	10.1	1
9/11/2008	15:30:00	19.6	7.64	636	79.6	7.24	10.1	1
9/11/2008	16:00:00	19.7	7.64	637	79.8	7.25	10.1	1
9/11/2008	16:30:00	19.76	7.64	638	79.4	7.2	10.1	1
9/11/2008	17:00:00	19.81	7.64	639	78.6	7.13	10.1	1
9/11/2008	17:30:00	19.85	7.64	639	78.4	7.1	10.1	1
9/11/2008	18:00:00	19.87	7.63	641	77.5	7.01	10.1	1
9/11/2008	18:30:00	19.89	7.63	642	76.5	6.92	10.1	1
9/11/2008	19:00:00	19.89	7.61	642	75.2	6.8	10.1	1
9/11/2008	19:30:00	19.88	7.61	643	73.8	6.68	10.1	1
9/11/2008	20:00:00	19.86	7.6	644	72.4	6.55	10.1	1
9/11/2008	20:30:00	19.82	7.6	644	70.7	6.41	10.1	1
9/11/2008	21:00:00	19.77	7.58	645	69.5	6.31	10.1	1
9/11/2008	21:30:00	19.74	7.58	646	68.8	6.25	10.1	1
9/11/2008	22:00:00	19.7	7.57	646	68.7	6.24	10.1	1
9/11/2008	22:30:00	19.68	7.56	647	68.4	6.21	10.1	1
9/11/2008	23:00:00	19.67	7.55	648	68.4	6.21	10.1	1
9/11/2008	23:30:00	19.67	7.55	649	68.2	6.2	10.1	1
9/12/2008	0:00:00	19.68	7.54	650	68.1	6.18	10.1	1
9/12/2008	0:30:00	19.69	7.54	649	68	6.17	10.1	1
9/12/2008	1:00:00	19.7	7.53	650	67.8	6.15	10.1	1
9/12/2008	1:30:00	19.7	7.53	650	67.3	6.11	10.1	1
9/12/2008	2:00:00	19.71	7.53	651	67.3	6.11	10.1	1
9/12/2008	2:30:00	19.71	7.53	651	67.2	6.1	10.1	1
9/12/2008	3:00:00	19.73	7.52	651	66.9	6.07	10.1	1
9/12/2008	3:30:00	19.75	7.52	652	66.7	6.05	10.1	1
9/12/2008	4:00:00	19.77	7.52	652	66.5	6.03	10	1
9/12/2008	4:30:00	19.8	7.53	652	66.4	6.01	10.1	1
9/12/2008	5:00:00	19.82	7.52	653	66.3	6.01	10	1
9/12/2008	5:30:00	19.85	7.53	653	66.4	6.01	10.1	1
9/12/2008	6:00:00	19.87	7.53	652	65.5	5.93	10.1	1
9/12/2008	6:30:00	19.89	7.53	646	66.5	6.02	10	1
9/12/2008	7:00:00	19.88	7.53	653	66.5	6.02	10	1

9/12/2008	7:30:00	19.88	7.54	653	66.5	6.01	10	1
9/12/2008	8:00:00	19.9	7.54	653	66.7	6.03	10	1
9/12/2008	8:30:00	19.97	7.54	654	66.5	6.01	10	1
9/12/2008	9:00:00	20.05	7.54	652	67.1	6.05	10	1
9/12/2008	9:30:00	20.14	7.55	654	67.9	6.11	10	1
9/12/2008	10:00:00	20.23	7.55	654	68.9	6.19	10	1
9/12/2008	10:30:00	20.32	7.56	653	69.6	6.25	10	1
9/12/2008	11:00:00	20.43	7.56	654	70.6	6.32	10.1	1
9/12/2008	11:30:00	20.53	7.56	653	71.4	6.37	10	1
9/12/2008	12:00:00	20.67	7.56	653	72.4	6.44	10	1
9/12/2008	12:30:00	20.82	7.57	655	73.5	6.52	10	1
9/12/2008	13:00:00	20.94	7.57	654	74.5	6.6	10	1
9/12/2008	13:30:00	21.11	7.57	655	75.1	6.63	10	1
9/12/2008	14:00:00	21.38	7.58	655	75.7	6.65	10	1
9/12/2008	14:30:00	21.65	7.58	655	77.7	6.79	10	1
9/12/2008	15:00:00	21.89	7.59	656	78.7	6.84	10	1
9/12/2008	15:30:00	22.17	7.59	656	79.5	6.88	10.1	1
9/12/2008	16:00:00	22.35	7.59	657	79.8	6.88	10.1	1
9/12/2008	16:30:00	22.43	7.59	657	79.6	6.85	10.1	1
9/12/2008	17:00:00	22.51	7.6	659	78.8	6.78	10.1	1
9/12/2008	17:30:00	22.5	7.6	658	77.7	6.68	10.1	1
9/12/2008	18:00:00	22.47	7.6	658	75.9	6.53	10.1	1
9/12/2008	18:30:00	22.44	7.59	658	74.3	6.4	10.1	1
9/12/2008	19:00:00	22.41	7.58	659	72.6	6.26	10	1
9/12/2008	19:30:00	22.33	7.58	659	70.9	6.11	10.1	1
9/12/2008	20:00:00	22.23	7.57	660	68.7	5.93	10.1	1
9/12/2008	20:30:00	22.09	7.56	661	67	5.8	10	1
9/12/2008	21:00:00	21.96	7.56	661	65.6	5.7	10	1
9/12/2008	21:30:00	21.85	7.55	661	64.9	5.65	10	1
9/12/2008	22:00:00	21.77	7.55	661	64.8	5.65	10	1
9/12/2008	22:30:00	21.7	7.55	662	63.8	5.57	10	1
9/12/2008	23:00:00	21.65	7.55	662	64.5	5.63	10	1
9/12/2008	23:30:00	21.6	7.55	662	64.3	5.62	10	1
9/13/2008	0:00:00	21.56	7.55	662	63.7	5.58	10	1
9/13/2008	0:30:00	21.54	7.55	663	63.4	5.55	10	1
9/13/2008	1:00:00	21.55	7.55	664	62.4	5.47	10	1
9/13/2008	1:30:00	21.56	7.55	663	61.7	5.4	10	1
9/13/2008	2:00:00	21.58	7.55	664	63.2	5.53	10	1
9/13/2008	2:30:00	21.6	7.55	665	62.6	5.48	10	1
9/13/2008	3:00:00	21.61	7.55	665	62.7	5.49	10	1
9/13/2008	3:30:00	21.62	7.55	666	62.6	5.47	10	1
9/13/2008	4:00:00	21.63	7.55	666	62.5	5.46	10	1
9/13/2008	4:30:00	21.65	7.55	667	62.1	5.43	10	1
9/13/2008	5:00:00	21.67	7.55	667	62.5	5.46	10	1
9/13/2008	5:30:00	21.67	7.55	668	62.4	5.45	10	1
9/13/2008	6:00:00	21.67	7.56	600	62.4	5.45	10	1
9/13/2008	6:30:00	21.67	7.56	665	62.7	5.48	10	1
9/13/2008	7:00:00	21.68	7.56	602	62.8	5.48	10	1
9/13/2008	7:30:00	21.7	7.56	543	62.8	5.49	10	1
9/13/2008	8:00:00	21.71	7.57	671	63	5.5	10	1
9/13/2008	8:30:00	21.75	7.57	672	63	5.5	10	1

9/13/2008	9:00:00	21.82	7.57	672	63.2	5.5	10	1
9/13/2008	9:30:00	21.91	7.57	672	64	5.56	10	1
9/13/2008	10:00:00	22.04	7.57	674	65	5.63	10	1
9/13/2008	10:30:00	22.16	7.58	675	66.4	5.75	10	1
9/13/2008	11:00:00	22.28	7.58	676	67.2	5.8	10	1
9/13/2008	11:30:00	22.45	7.59	677	68.6	5.9	10	1
9/13/2008	12:00:00	22.59	7.59	677	69.5	5.96	10	1
9/13/2008	12:30:00	22.86	7.6	677	71.4	6.09	10	1
9/13/2008	13:00:00	23.11	7.61	678	73.8	6.27	10	1
9/13/2008	13:30:00	23.41	7.62	679	75.8	6.4	10	1
9/13/2008	14:00:00	23.79	7.64	680	77.6	6.51	10	1
9/13/2008	14:30:00	24.22	7.65	546	80.3	6.68	10	1
9/13/2008	15:00:00	24.57	7.66	682	81.4	6.73	10	1
9/13/2008	15:30:00	24.8	7.67	683	81.9	6.74	10	1
9/13/2008	16:00:00	24.85	7.67	683	81.1	6.67	10	1
9/13/2008	16:30:00	24.74	7.67	683	79.4	6.54	10	1
9/13/2008	17:00:00	24.75	7.66	676	77.9	6.42	10	1
9/13/2008	17:30:00	24.65	7.66	685	75.6	6.24	10	1
9/13/2008	18:00:00	24.52	7.65	685	72.9	6.03	10	1
9/13/2008	18:30:00	24.44	7.64	685	70.5	5.84	10	1
9/13/2008	19:00:00	24.36	7.63	685	68.3	5.67	10	1
9/13/2008	19:30:00	24.26	7.61	686	65.1	5.41	10	1
9/13/2008	20:00:00	24.16	7.6	686	63.2	5.27	10	1
9/13/2008	20:30:00	24.04	7.58	686	60.6	5.06	10	1
9/13/2008	21:00:00	23.93	7.57	686	58.8	4.92	10	1
9/13/2008	21:30:00	23.78	7.56	687	57	4.78	10	1
9/13/2008	22:00:00	23.61	7.54	687	55.2	4.64	10	1
9/13/2008	22:30:00	23.48	7.53	687	55.1	4.65	10	1
9/13/2008	23:00:00	23.37	7.53	686	56.1	4.74	10	1
9/13/2008	23:30:00	23.3	7.53	686	56.8	4.81	10	1
9/14/2008	0:00:00	23.25	7.53	686	57.5	4.87	10	1
9/14/2008	0:30:00	23.21	7.53	686	58.1	4.92	10	1
9/14/2008	1:00:00	23.16	7.54	686	58.1	4.93	9.9	1
9/14/2008	1:30:00	23.13	7.53	686	58.2	4.95	9.9	1
9/14/2008	2:00:00	23.1	7.53	687	58.1	4.94	10	1
9/14/2008	2:30:00	23.08	7.53	687	57.7	4.91	10	1
9/14/2008	3:00:00	23.05	7.53	687	57.8	4.91	10	1
9/14/2008	3:30:00	23.05	7.53	686	57.8	4.91	9.9	1
9/14/2008	4:00:00	23.03	7.53	687	57.7	4.91	9.9	1
9/14/2008	4:30:00	23.02	7.53	687	57.8	4.92	10	1
9/14/2008	5:00:00	22.99	7.53	685	57.7	4.91	9.9	1
9/14/2008	5:30:00	22.97	7.53	683	58.3	4.97	9.9	1
9/14/2008	6:00:00	22.93	7.53	681	58.4	4.98	9.9	1
9/14/2008	6:30:00	22.89	7.54	679	57.4	4.9	9.9	1
9/14/2008	7:00:00	22.84	7.54	670	58.9	5.03	9.9	1
9/14/2008	7:30:00	22.79	7.55	635	66.4	5.67	9.9	1
9/14/2008	8:00:00	22.69	7.56	557	69.7	5.97	9.9	1
9/14/2008	8:30:00	22.62	7.52	461	71.8	6.16	9.9	1
9/14/2008	9:00:00	21.05	7.48	176	89.6	7.93	9.9	1
9/14/2008	9:30:00	21.37	7.4	212	82.9	7.3	9.9	1
9/14/2008	10:00:00	21.15	7.19	90	79.3	7.01	9.9	1

9/14/2008	10:30:00	21.01	7.11	125	74.7	6.62	9.9	1
9/14/2008	11:00:00	21.08	7.16	120	72.6	6.42	9.9	1
9/14/2008	11:30:00	21.03	7.16	126	13.5	1.19	9.8	1
9/14/2008	12:00:00	20.91	7.17	131	17.4	1.54	9.8	1
9/14/2008	12:30:00	20.82	7.16	136	3.9	0.35	9.8	1
9/14/2008	13:00:00	20.83	7.15	140	3.2	0.29	9.8	1
9/14/2008	13:30:00	20.83	7.16	144	3.3	0.29	9.8	1
9/14/2008	14:00:00	20.84	7.16	148	3.3	0.29	9.8	1
9/14/2008	14:30:00	20.86	7.16	151	3.1	0.27	9.8	1
9/14/2008	15:00:00	20.89	7.18	154	2.5	0.22	9.8	1
9/14/2008	15:30:00	20.91	7.15	157	0.8	0.07	9.8	1
9/14/2008	16:00:00	20.92	7.15	160	0.7	0.06	9.8	1
9/14/2008	16:30:00	20.94	7.13	162	1.3	0.12	9.8	1
9/14/2008	17:00:00	20.96	7.12	164	0.8	0.07	9.8	1
9/14/2008	17:30:00	20.97	7.12	166	0.5	0.05	9.8	1
9/14/2008	18:00:00	20.99	7.11	168	0.5	0.04	9.8	1
9/14/2008	18:30:00	21	7.12	169	0.5	0.04	9.8	1
9/14/2008	19:00:00	21.01	7.1	170	0.5	0.04	9.8	1
9/14/2008	19:30:00	21.02	7.12	172	0.4	0.04	9.8	1
9/14/2008	20:00:00	21.02	7.15	173	0.5	0.04	9.8	1
9/14/2008	20:30:00	21.03	7.15	175	0.4	0.04	9.8	1
9/14/2008	21:00:00	21.03	7.13	177	0.4	0.04	9.8	1
9/14/2008	21:30:00	21.03	7.19	179	0.4	0.04	9.8	1
9/14/2008	22:00:00	21.04	7.2	181	0.5	0.04	9.8	1
9/14/2008	22:30:00	21.04	7.2	183	0.4	0.04	9.8	1
9/14/2008	23:00:00	21.04	7.19	184	0.4	0.04	9.8	1
9/14/2008	23:30:00	21.04	7.19	186	0.4	0.04	9.7	1
9/15/2008	0:00:00	21.04	7.19	187	0.4	0.04	9.8	1
9/15/2008	0:30:00	21.02	7.18	189	0.4	0.04	9.8	1
9/15/2008	1:00:00	20.97	7.18	190	0.4	0.04	9.8	1
9/15/2008	1:30:00	20.87	7.18	192	0.4	0.04	9.8	1
9/15/2008	2:00:00	20.73	7.18	193	0.4	0.04	9.8	1
9/15/2008	2:30:00	20.57	7.18	194	0.4	0.04	9.7	1
9/15/2008	3:00:00	20.37	7.18	195	0.4	0.04	9.8	1
9/15/2008	3:30:00	20.18	7.18	197	0.4	0.04	9.7	1
9/15/2008	4:00:00	19.96	7.18	198	0.4	0.04	9.7	1
9/15/2008	4:30:00	19.75	7.18	199	0.4	0.04	9.7	1
9/15/2008	5:00:00	19.47	7.18	200	0.9	0.08	9.7	1
9/15/2008	5:30:00	19.17	7.18	201	5.8	0.54	9.7	1
9/15/2008	6:00:00	18.98	7.17	202	6.3	0.58	9.7	1
9/15/2008	6:30:00	18.87	7.16	204	4.7	0.43	9.7	1
9/15/2008	7:00:00	18.81	7.15	206	1.9	0.18	9.7	1
9/15/2008	7:30:00	18.74	7.14	206	0.8	0.07	9.7	1
9/15/2008	8:00:00	18.68	7.13	207	1.2	0.11	9.7	1
9/15/2008	8:30:00	18.62	7.12	209	5.1	0.47	9.7	1
9/15/2008	9:00:00	18.57	7.12	210	4.9	0.46	9.7	1

Appendix D

Drainage Area Ratio Calculations

Watershed	Area (Sq. Mi.)		Total NPDES Discharge in Watershed (cfs)
USGS Gage Kaskaskia at Venedy Station (sq mi)	4393		689.4
Watershed			
Watershed	Area (Sq. Mi.)	Ratio	Total NPDES Discharge in Watershed (cfs)
Kaskaskia River Segment O-03	5141	1.17	705.8
Kaskaskia River Segment O-20	4393	1.00	689.4
Kaskaskia River Segment O-30	5736	1.31	765.1
Kaskaskia River Segment O-97	5461	1.24	727.7

Watershed	Area (Sq. Mi.)		Total NPDES Discharge in Watershed (cfs)
USGS 05595200 RICHLAND CREEK NEAR HECKER, IL	129.0		18.69
Watershed			
Watershed	Area (Sq. Mi.)	Ratio	Total NPDES Discharge in Watershed (cfs)
Kinney Branch Segment OCF	4.23	0.03	0.62
Mud Creek Segment OE-02 (OE-04)	88.20	0.68	0.00
Richland Creek Segment OC-04	248.44	1.93	19.96
Richland Creek Segment OC-95	19.24	0.15	4.30

Appendix E
Manganese Load Duration Curve Calculations

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn ($\mu\text{g/L}$)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-30	1/27/1999	23580.2	1.6887%	500	63,593.19	19,077.96	Yes
O-30	3/26/1998	20185.1	3.1380%	270	29,395.98	16,331.10	Yes
O-30	11/23/1993	19009.9	3.8696%	250	25,633.78	15,380.27	Yes
O-30	2/16/1999	19009.9	3.8696%	140	14,354.92	15,380.27	No
O-30	1/31/1994	18879.3	3.9242%	170	17,311.23	15,274.62	Yes
O-30	4/24/1996	18487.6	4.2661%	760	75,785.54	14,957.67	Yes
O-30	1/5/2005	18226.4	4.5874%	890	87,495.17	14,746.38	Yes
O-30	2/13/2001	17051.2	5.4898%	300	27,591.08	13,795.54	Yes
O-30	1/21/2004	16528.9	5.9753%	190	16,939.07	13,372.95	Yes
O-30	3/27/2002	15614.8	6.8367%	300	25,266.82	12,633.41	Yes
O-30	5/1/2002	15092.5	7.4656%	120	9,768.65	12,210.82	No
O-30	2/1/2005	15092.5	7.4656%	93	7,570.71	12,210.82	No
O-30	5/18/1994	13656.1	9.6055%	140	10,312.11	11,048.69	No
O-30	1/14/1991	13525.5	9.7559%	187	13,642.32	10,943.04	Yes
O-30	6/6/1990	13394.9	9.9132%	284	20,518.79	10,837.39	Yes
O-30	5/15/1995	12937.9	10.6037%	123	8,583.45	10,467.62	No
O-30	1/14/1993	12663.7	11.0207%	180	12,294.91	10,245.76	Yes
O-30	3/10/2005	12650.6	11.0481%	85	5,799.94	10,235.19	No
O-30	2/24/1993	12180.5	11.7727%	210	13,796.80	9,854.86	Yes
O-30	1/24/1996	10770.3	13.9673%	430	24,979.72	8,713.86	Yes
O-30	4/27/1993	10469.9	14.5006%	76	4,291.91	8,470.87	No
O-30	1/18/1995	10195.7	15.0749%	310	17,047.94	8,249.00	Yes
O-30	2/27/1991	9059.7	17.3515%	153	7,476.46	7,329.86	Yes
O-30	4/7/1999	9059.7	17.3515%	160	7,818.52	7,329.86	Yes
O-30	6/16/1999	8367.6	19.1017%	230	10,380.56	6,769.93	Yes
O-30	6/8/1998	7636.3	21.1116%	170	7,002.07	6,178.30	Yes
O-30	3/22/1995	7610.2	21.1800%	220	9,030.51	6,157.17	Yes
O-30	4/1/1991	7362.1	21.9457%	121	4,804.86	5,956.44	No
O-30	9/4/2003	7205.4	22.3901%	260	10,104.74	5,829.66	Yes
O-30	5/11/1998	7114.0	22.7798%	240	9,209.13	5,755.70	Yes
O-30	6/3/1996	7074.8	22.9712%	82	3,129.13	5,724.01	No
O-30	6/18/2003	6970.4	23.3609%	90	3,383.69	5,639.49	No
O-30	6/19/2002	6722.3	24.2565%	90	3,263.26	5,438.76	No
O-30	12/3/1992	6696.1	24.3727%	130	4,695.28	5,417.63	No
O-30	2/26/2004	6670.0	24.4890%	120	4,317.20	5,396.50	No
O-30	7/27/2000	6539.5	25.0085%	120	4,232.68	5,290.85	No
O-30	5/27/2003	6526.4	25.0427%	190	6,688.36	5,280.29	Yes
O-30	2/28/1994	6382.8	25.5350%	160	5,508.35	5,164.07	Yes
O-30	10/6/1993	6369.7	25.6033%	220	7,558.48	5,153.51	Yes
O-30	2/13/2002	6317.5	25.8358%	120	4,089.00	5,111.25	No
O-30	7/21/1995	6108.5	26.9775%	180	5,930.65	4,942.21	Yes
O-30	1/15/1998	5964.9	27.8321%	170	5,469.47	4,826.00	Yes
O-30	7/15/1996	5912.7	28.2218%	130	4,145.91	4,783.74	No
O-30	11/15/2004	5899.6	28.3243%	190	6,046.02	4,773.17	Yes

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn ($\mu\text{g/L}$)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-30	1/8/2002	5795.1	29.0148%	110	3,438.35	4,688.66	No
O-30	12/10/2003	5782.1	29.1311%	140	4,366.22	4,678.09	No
O-30	4/25/1990	5716.8	29.5823%	156	4,810.28	4,625.27	Yes
O-30	7/22/2002	5664.6	30.1019%	110	3,360.87	4,583.01	No
O-30	8/24/1998	5625.4	30.3958%	130	3,944.47	4,551.31	No
O-30	1/24/2001	5599.3	30.6420%	100	3,020.12	4,530.18	No
O-30	12/6/2000	5364.2	32.3375%	85	2,459.34	4,340.02	No
O-30	3/31/1997	5298.9	32.8092%	260	7,431.13	4,287.19	Yes
O-30	7/17/1990	5285.9	32.9938%	182	5,188.97	4,276.63	Yes
O-30	7/15/1998	5103.1	34.3474%	210	5,780.21	4,128.72	Yes
O-30	12/10/1990	4998.6	35.0790%	137	3,693.70	4,044.20	No
O-30	5/24/1993	4946.4	35.4481%	160	4,268.74	4,001.94	Yes
O-30	6/14/1995	4946.4	35.4481%	250	6,669.90	4,001.94	Yes
O-30	5/26/2004	4907.2	35.7421%	340	8,999.23	3,970.25	Yes
O-30	6/23/2004	4855.0	36.0840%	190	4,975.45	3,927.99	Yes
O-30	9/20/1993	4698.3	37.0889%	280	7,095.59	3,801.21	Yes
O-30	5/11/1999	4554.6	38.1213%	120	2,948.00	3,685.00	No
O-30	12/14/1994	4424.0	38.8938%	160	3,817.97	3,579.35	Yes
O-30	6/23/1993	4280.4	39.8851%	180	4,155.76	3,463.14	Yes
O-30	2/19/1997	4149.8	40.6645%	180	4,028.98	3,357.49	Yes
O-30	12/17/1991	3967.0	41.7447%	470	10,056.68	3,209.58	Yes
O-30	12/1/2005	3823.4	42.4694%	360	7,424.08	3,093.37	Yes
O-30	3/21/2001	3666.7	43.3582%	110	2,175.50	2,966.59	No
O-30	9/21/2005	3588.3	43.8231%	190	3,677.39	2,903.20	Yes
O-30	6/18/1991	3496.9	44.3632%	360	6,790.19	2,829.25	Yes
O-30	3/30/1992	3418.6	44.7802%	390	7,191.23	2,765.86	Yes
O-30	12/19/2002	3105.2	47.0568%	140	2,344.81	2,512.30	No
O-30	3/30/1994	3000.7	47.7542%	290	4,693.71	2,427.78	Yes
O-30	3/27/1996	2974.6	47.9387%	310	4,973.75	2,406.65	Yes
O-30	6/2/1994	2870.1	48.6429%	150	2,322.13	2,322.13	No
O-30	11/2/2000	2844.0	48.9232%	150	2,301.00	2,301.00	No
O-30	4/19/2004	2831.0	49.0189%	190	2,901.22	2,290.44	Yes
O-30	7/13/1994	2752.6	49.6342%	150	2,227.05	2,227.05	No
O-30	2/20/1996	2700.4	49.9966%	180	2,621.75	2,184.79	Yes
O-30	1/13/1997	2504.5	51.8083%	140	1,891.23	2,026.32	No
O-30	3/19/1990	2426.2	52.4851%	119	1,557.26	1,962.93	No
O-30	6/4/2001	2308.6	53.4628%	680	8,467.57	1,867.85	Yes
O-30	12/13/1995	2230.3	54.2968%	200	2,405.94	1,804.46	Yes
O-30	2/16/1995	2165.0	54.8164%	160	1,868.41	1,751.63	Yes
O-30	3/6/2003	2112.8	55.3702%	160	1,823.33	1,709.37	Yes
O-30	8/13/1992	2047.5	56.0402%	190	2,098.30	1,656.55	Yes
O-30	4/6/2005	2034.4	56.2043%	140	1,536.25	1,645.98	No
O-30	4/29/1992	1982.2	56.7786%	240	2,565.96	1,603.72	Yes
O-30	9/25/2000	1864.7	57.9203%	120	1,206.91	1,508.64	No

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn ($\mu\text{g/L}$)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-30	2/18/1992	1708.0	59.8072%	373	3,436.23	1,381.86	Yes
O-30	2/17/1998	1708.0	59.8072%	270	2,487.35	1,381.86	Yes
O-30	9/9/2004	1694.9	59.9986%	180	1,645.56	1,371.30	Yes
O-30	2/1/1990	1551.3	61.4617%	119	995.70	1,255.09	No
O-30	8/9/1993	1551.3	61.4617%	120	1,004.07	1,255.09	No
O-30	9/5/1995	1407.6	62.9794%	190	1,442.57	1,138.87	Yes
O-30	11/14/2001	1407.6	62.9794%	240	1,822.20	1,138.87	Yes
O-30	8/29/2002	1407.6	62.9794%	100	759.25	1,138.87	No
O-30	10/7/1998	1333.2	64.0870%	140	1,006.74	1,078.65	No
O-30	9/15/1992	1311.0	64.3741%	150	1,060.69	1,060.69	No
O-30	8/6/1999	1283.6	64.7775%	200	1,384.68	1,038.51	Yes
O-30	7/7/1997	1273.1	64.8663%	370	2,540.80	1,030.05	Yes
O-30	10/23/1990	1271.8	64.8869%	155	1,063.30	1,029.00	Yes
O-30	7/17/2001	1222.2	65.4748%	160	1,054.78	988.85	Yes
O-30	5/15/1991	1198.7	65.7961%	150	969.83	969.83	No
O-30	8/4/2003	1158.2	66.4251%	92	574.74	937.08	No
O-30	6/11/1992	1151.7	66.5208%	270	1,677.24	931.80	Yes
O-30	12/13/1999	1124.3	67.0199%	690	4,184.23	909.62	Yes
O-30	3/9/2000	1119.1	67.1635%	320	1,931.50	905.39	Yes
O-30	4/25/2003	1051.2	68.3189%	670	3,798.69	850.45	Yes
O-30	8/26/1996	995.0	69.1324%	98	525.95	805.02	No
O-30	10/29/2002	980.6	69.4332%	150	793.40	793.40	No
O-30	6/15/2000	958.4	69.8298%	160	827.14	775.44	Yes
O-30	5/18/2000	942.8	70.0691%	480	2,440.85	762.76	Yes
O-30	1/4/1990	937.5	70.1921%	209	1,056.90	758.54	Yes
O-30	11/9/1994	867.0	71.3270%	270	1,262.68	701.49	Yes
O-30	1/13/1992	813.5	72.0107%	300	1,316.34	658.17	Yes
O-30	6/3/1997	795.2	72.2841%	640	2,745.09	643.38	Yes
O-30	9/12/1990	733.8	73.4053%	135	534.35	593.73	No
O-30	10/15/2003	726.0	73.6036%	110	430.75	587.39	No
O-30	11/18/1998	660.7	75.1692%	180	641.48	534.56	Yes
O-30	4/20/2000	521.0	78.5944%	460	1,292.66	421.52	Yes
O-30	8/15/2005	500.1	79.1071%	180	485.54	404.62	Yes
O-30	11/13/1996	467.5	79.9412%	230	579.91	378.20	Yes
O-30	12/10/1997	463.5	80.1121%	83	207.52	375.03	No
O-30	2/1/2000	454.4	80.2899%	230	563.71	367.64	Yes
O-30	5/20/2005	412.6	81.6982%	280	623.15	333.83	Yes
O-30	8/1/1991	399.6	82.2247%	554	1,193.93	323.27	Yes
O-30	6/22/2005	390.4	82.5938%	120	252.70	315.87	No
O-30	9/20/1999	368.2	83.6467%	180	357.49	297.91	Yes
O-30	11/2/1992	360.4	84.0842%	120	233.26	291.57	No
O-30	9/28/1994	359.1	84.1594%	72	139.45	290.52	No
O-30	8/21/2001	353.9	84.5765%	120	229.03	286.29	No
O-30	9/24/1991	352.5	84.6380%	201	382.21	285.23	Yes

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn ($\mu\text{g/L}$)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-30	8/12/2004	335.6	85.8139%	240	434.40	271.50	Yes
O-30	8/12/1997	322.5	86.6890%	320	556.66	260.93	Yes
O-30	1/29/2003	297.7	88.2819%	180	289.03	240.86	Yes
O-30	9/10/1997	295.1	88.4802%	390	620.75	238.75	Yes
O-30	10/12/2005	252.0	91.2559%	340	462.14	203.88	Yes
O-30	10/16/1996	237.6	92.5138%	100	128.18	192.26	No
O-30	11/12/1991	236.3	92.6984%	220	280.44	191.21	Yes
O-30	11/12/1997	225.9	93.7923%	68	82.85	182.75	No
O-30	10/9/2001	216.7	94.7426%	150	175.36	175.36	No
O-30	11/7/1995	207.6	95.6109%	160	179.16	167.96	Yes
O-30	11/2/1999	164.5	99.9248%	140	124.23	133.10	No
O-20	1/27/1999	18000.0	1.6887%	81	7,864.13	14,563.19	No
O-20	3/26/1998	15400.0	3.1380%	120	9,967.70	12,459.62	No
O-20	11/23/1993	14500.0	3.8696%	70	5,474.68	11,731.46	No
O-20	2/16/1999	14500.0	3.8696%	100	7,820.97	11,731.46	No
O-20	1/31/1994	14400.0	3.9242%	71	5,514.60	11,650.56	No
O-20	4/24/1996	14100.0	4.2661%	240	18,252.54	11,407.84	Yes
O-20	2/13/2001	13000.0	5.4898%	120	8,414.29	10,517.86	No
O-20	1/21/2004	12600.0	5.9753%	130	8,835.00	10,194.24	No
O-20	3/27/2002	11900.0	6.8367%	190	12,195.33	9,627.89	Yes
O-20	5/1/2002	11500.0	7.4656%	120	7,443.41	9,304.26	No
O-20	2/3/2005	11500.0	7.4656%	49	3,039.39	9,304.26	No
O-20	3/7/2005	10900.0	8.7441%	28	1,646.18	8,818.82	No
O-20	5/18/1994	10400.0	9.6055%	100	5,609.53	8,414.29	No
O-20	5/15/1995	9850.0	10.6037%	161	8,553.72	7,969.30	Yes
O-20	1/14/1993	9640.0	11.0207%	100	5,199.60	7,799.40	No
O-20	2/24/1993	9270.0	11.7727%	110	5,500.03	7,500.05	No
O-20	5/12/2003	8690.0	12.9692%	340	15,936.45	7,030.79	Yes
O-20	1/24/1996	8190.0	13.9673%	320	14,136.01	6,626.25	Yes
O-20	4/27/1993	7960.0	14.5006%	280	12,021.65	6,440.17	Yes
O-20	1/18/1995	7750.0	15.0749%	190	7,942.33	6,270.26	Yes
O-20	1/3/2005	7160.0	16.4354%	140	5,406.72	5,792.92	No
O-20	1/28/1991	7000.0	16.8729%	125	4,719.55	5,663.46	No
O-20	4/7/1999	6880.0	17.3515%	160	5,937.47	5,566.38	Yes
O-20	3/4/1991	6400.0	18.9581%	116	4,004.34	5,178.02	No
O-20	6/12/2003	6400.0	18.9581%	510	17,605.28	5,178.02	Yes
O-20	6/16/1999	6350.0	19.1017%	310	10,617.65	5,137.57	Yes
O-20	6/8/1998	5790.0	21.1116%	150	4,684.49	4,684.49	No
O-20	3/22/1995	5770.0	21.1800%	190	5,913.20	4,668.31	Yes
O-20	5/11/1998	5390.0	22.7798%	190	5,523.77	4,360.87	Yes
O-20	6/3/1996	5360.0	22.9712%	360	10,407.83	4,336.60	Yes
O-20	6/19/2002	5090.0	24.2565%	150	4,118.15	4,118.15	No
O-20	12/3/1992	5070.0	24.3727%	150	4,101.97	4,101.97	No
O-20	2/26/2004	5050.0	24.4890%	250	6,809.64	4,085.79	Yes

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-20	9/6/1993	5040.0	24.5778%	170	4,621.39	4,077.69	Yes
O-20	7/27/2000	4950.0	25.0085%	180	4,805.85	4,004.88	Yes
O-20	2/28/1994	4830.0	25.5350%	120	3,126.23	3,907.79	No
O-20	2/13/2002	4780.0	25.8358%	120	3,093.87	3,867.34	No
O-20	7/12/1995	4730.0	26.1639%	170	4,337.14	3,826.88	Yes
O-20	1/15/1998	4510.0	27.8321%	190	4,621.93	3,648.89	Yes
O-20	7/15/1996	4470.0	28.2218%	240	5,786.44	3,616.53	Yes
O-20	1/8/2002	4380.0	29.0148%	110	2,598.72	3,543.71	No
O-20	12/10/2003	4370.0	29.1311%	160	3,771.33	3,535.62	Yes
O-20	4/4/1991	4300.0	29.8147%	179	4,151.59	3,478.99	Yes
O-20	7/22/2002	4280.0	30.1019%	180	4,155.36	3,462.80	Yes
O-20	8/24/1998	4250.0	30.3958%	170	3,897.00	3,438.53	Yes
O-20	1/24/2001	4230.0	30.6420%	110	2,509.72	3,422.35	No
O-20	12/6/2000	4050.0	32.3375%	72	1,572.83	3,276.72	No
O-20	3/31/1997	4000.0	32.8092%	200	4,315.02	3,236.27	Yes
O-20	7/9/1990	3890.0	34.0466%	199	4,175.38	3,147.27	Yes
O-20	7/15/1998	3850.0	34.3474%	160	3,322.57	3,114.91	Yes
O-20	5/24/1993	3730.0	35.4481%	240	4,828.51	3,017.82	Yes
O-20	6/14/1995	3730.0	35.4481%	300	6,035.64	3,017.82	Yes
O-20	5/26/2004	3700.0	35.7421%	1200	23,948.36	2,993.55	Yes
O-20	12/12/1990	3690.0	35.8515%	155	3,084.97	2,985.45	Yes
O-20	6/23/2004	3660.0	36.0840%	260	5,132.72	2,961.18	Yes
O-20	9/20/1993	3540.0	37.0889%	170	3,245.97	2,864.09	Yes
O-20	5/11/1999	3430.0	38.1213%	190	3,515.12	2,775.10	Yes
O-20	12/14/1994	3330.0	38.8938%	270	4,849.54	2,694.19	Yes
O-20	6/23/1993	3220.0	39.8851%	260	4,515.67	2,605.19	Yes
O-20	5/7/1990	3150.0	40.4252%	233	3,958.76	2,548.56	Yes
O-20	2/19/1997	3120.0	40.6645%	190	3,197.43	2,524.29	Yes
O-20	12/17/1991	2980.0	41.7447%	230	3,696.89	2,411.02	Yes
O-20	3/21/2001	2750.0	43.3582%	140	2,076.60	2,224.93	No
O-20	4/3/1990	2620.0	44.3632%	374	5,285.25	2,119.75	Yes
O-20	6/18/1991	2620.0	44.3632%	790	11,164.04	2,119.75	Yes
O-20	3/30/1992	2560.0	44.7802%	820	11,322.61	2,071.21	Yes
O-20	11/9/2004	2410.0	46.2979%	200	2,599.80	1,949.85	Yes
O-20	3/30/1994	2240.0	47.7542%	280	3,382.98	1,812.31	Yes
O-20	3/27/1996	2220.0	47.9387%	380	4,550.19	1,796.13	Yes
O-20	6/2/1994	2140.0	48.6429%	290	3,347.38	1,731.40	Yes
O-20	11/2/2000	2120.0	48.9232%	62	708.96	1,715.22	No
O-20	4/19/2004	2110.0	49.0189%	220	2,503.79	1,707.13	Yes
O-20	7/13/1994	2050.0	49.6342%	250	2,764.31	1,658.59	Yes
O-20	2/20/1996	2010.0	49.9966%	130	1,409.39	1,626.22	No
O-20	1/13/1997	1860.0	51.8083%	97	973.15	1,504.86	No
O-20	2/15/1990	1760.0	53.0116%	157	1,490.41	1,423.96	Yes
O-20	6/4/2001	1710.0	53.4628%	190	1,752.44	1,383.50	Yes

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn ($\mu\text{g/L}$)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-20	4/5/2005	1690.0	53.8114%	120	1,093.86	1,367.32	No
O-20	12/13/1995	1650.0	54.2968%	100	889.97	1,334.96	No
O-20	2/16/1995	1600.0	54.8164%	130	1,121.91	1,294.51	No
O-20	8/13/1992	1510.0	56.0402%	220	1,791.81	1,221.69	Yes
O-20	4/29/1992	1460.0	56.7786%	260	2,047.48	1,181.24	Yes
O-20	9/25/2000	1370.0	57.9203%	190	1,404.00	1,108.42	Yes
O-20	2/18/1992	1250.0	59.8072%	200	1,348.44	1,011.33	Yes
O-20	2/17/1998	1250.0	59.8072%	180	1,213.60	1,011.33	Yes
O-20	9/9/2004	1240.0	59.9986%	340	2,274.02	1,003.24	Yes
O-20	8/9/1993	1130.0	61.4617%	300	1,828.49	914.25	Yes
O-20	8/23/1990	1110.0	61.6873%	192	1,149.52	898.06	Yes
O-20	9/5/1995	1020.0	62.9794%	350	1,925.58	825.25	Yes
O-20	11/14/2001	1020.0	62.9794%	180	990.30	825.25	Yes
O-20	8/29/2002	1020.0	62.9794%	150	825.25	825.25	No
O-20	10/7/1998	963.0	64.0870%	230	1,194.67	779.13	Yes
O-20	9/15/1992	946.0	64.3741%	230	1,173.58	765.38	Yes
O-20	7/7/1997	917.0	64.8663%	240	1,187.06	741.91	Yes
O-20	11/26/2002	916.0	64.8869%	310	1,531.62	741.10	Yes
O-20	7/17/2001	878.0	65.4748%	250	1,183.93	710.36	Yes
O-20	6/11/1992	824.0	66.5208%	370	1,644.45	666.67	Yes
O-20	5/2/2001	822.0	66.6029%	240	1,064.08	665.05	Yes
O-20	9/20/2005	818.0	66.6781%	580	2,559.02	661.82	Yes
O-20	12/13/1999	803.0	67.0199%	250	1,082.80	649.68	Yes
O-20	3/9/2000	799.0	67.1635%	220	948.12	646.44	Yes
O-20	5/2/1991	791.0	67.3207%	250	1,066.62	639.97	Yes
O-20	1/24/1990	752.0	68.1411%	184	746.33	608.42	Yes
O-20	8/26/1996	704.0	69.1324%	240	911.33	569.58	Yes
O-20	10/29/2002	693.0	69.4332%	250	934.47	560.68	Yes
O-20	6/15/2000	676.0	69.8298%	320	1,166.78	546.93	Yes
O-20	5/18/2000	664.0	70.0691%	290	1,038.63	537.22	Yes
O-20	11/9/1994	606.0	71.3270%	350	1,144.02	490.29	Yes
O-20	8/11/2003	583.0	71.6415%	240	754.70	471.69	Yes
O-20	1/13/1992	565.0	72.0107%	150	457.12	457.12	No
O-20	6/3/1997	551.0	72.2841%	300	891.59	445.80	Yes
O-20	10/29/1990	460.0	74.6770%	174	431.72	372.17	Yes
O-20	11/18/1998	448.0	75.1692%	280	676.60	362.46	Yes
O-20	4/20/2000	341.0	78.5944%	380	698.93	275.89	Yes
O-20	4/17/2003	327.0	79.0456%	720	1,269.91	264.56	Yes
O-20	11/13/1996	300.0	79.9412%	320	517.80	242.72	Yes
O-20	12/10/1997	297.0	80.1121%	190	304.37	240.29	Yes
O-20	5/13/2005	291.0	80.2762%	570	894.67	235.44	Yes
O-20	2/1/2000	290.0	80.2899%	210	328.48	234.63	Yes
O-20	8/1/1991	248.0	82.2247%	336	449.45	200.65	Yes
O-20	6/29/2005	232.0	83.1476%	420	525.57	187.70	Yes

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn ($\mu\text{g/L}$)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedance
O-20	9/20/1999	224.0	83.6467%	110	132.90	181.23	No
O-20	8/31/2005	223.0	83.7219%	330	396.93	180.42	Yes
O-20	11/2/1992	218.0	84.0842%	750	881.88	176.38	Yes
O-20	9/28/1994	217.0	84.1594%	270	316.02	175.57	Yes
O-20	8/21/2001	213.0	84.5765%	460	528.48	172.33	Yes
O-20	9/24/1991	212.0	84.6380%	305	348.76	171.52	Yes
O-20	8/12/2004	199.0	85.8139%	590	633.28	161.00	Yes
O-20	8/12/1997	189.0	86.6890%	530	540.29	152.91	Yes
O-20	1/22/2003	185.0	87.0240%	380	379.18	149.68	Yes
O-20	2/13/2003	176.0	87.9538%	450	427.19	142.40	Yes
O-20	9/22/2003	173.0	88.0905%	420	391.91	139.97	Yes
O-20	9/10/1997	168.0	88.4802%	450	407.77	135.92	Yes
O-20	10/27/2003	137.0	91.0508%	580	428.59	110.84	Yes
O-20	10/12/2005	135.0	91.2559%	480	349.52	109.22	Yes
O-20	9/27/1990	129.0	91.9259%	417	290.15	104.37	Yes
O-20	11/14/2005	129.0	91.9259%	530	368.77	104.37	Yes
O-20	10/16/1996	124.0	92.5138%	470	314.35	100.32	Yes
O-20	11/12/1991	123.0	92.6984%	600	398.06	99.52	Yes
O-20	11/12/1997	115.0	93.7923%	440	272.93	93.04	Yes
O-20	10/9/2001	108.0	94.7426%	520	302.91	87.38	Yes
O-20	11/7/1995	101.0	95.6109%	560	305.07	81.72	Yes
O-20	11/2/1999	68.0	99.9248%	780	286.09	55.02	Yes
O-03	6/24/2002	4311.5	36.0156%	230	5,348.77	3,488.33	Yes
O-03	8/28/2002	1257.0	62.4051%	220	1,491.59	1,017.00	Yes
O-03	9/12/2002	258.7	85.0892%	210	293.04	209.31	Yes
O-97	7/9/2002	5395.22	29.3909%	200	5,861.46	4,396.09	Yes
O-97	6/24/2002	4562.32	36.0156%	210	5,211.11	3,722.22	Yes
O-97	8/28/2002	1317.73	62.4051%	190	1,389.70	1,097.13	Yes
OCF	9/15/2008	48.8	1.3797%	227	59.80	263.46	No
OCF	7/29/2008	2.2	25.7595%	82.8	0.97	11.70	No
OCF	7/22/2008	1.1	45.0078%	184	1.11	6.04	No
OCF	9/8/2008	1.0	47.9780%	105	0.58	5.51	No
OCF	8/2/1996	0.7	59.0430%	1100	4.31	3.92	Yes
OE-02	6/24/2002	9.1	46.0205%	760	37.29	49.06	No
OE-02	11/12/1996	1.5	60.4228%	480	3.80	7.91	No
OE-02	7/8/2002	0.8	61.7209%	2800	12.54	4.48	Yes
OE-02	7/10/1996	0.0	65.2756%	1900	0.01	0.01	Yes
OE-02	8/27/2002	0.0	65.2756%	3600	0.02	0.01	Yes

Appendix F
Fecal Coliform Load Duration Curve Calculations

NPID	FNMS	DAF (MGD)	DMF (MGD)	Fecal Coliform Exemption	Receiving Stream	Lower Kaskaskia River Watershed	Other Contributing Watersheds	Exemption Reapplication Status (2011)	Note
IL0000043	DYNEGY MIDWEST GENERATION-BALD	0.01375	0.04	Yes	Doza Creek to Kaskaskia R	Yes			
IL0000108	AMEREN - COFFEEEN POWER STATION	0.0085	0.03	No	Coffeen Lake		Yes		
IL0004227	KRAFT FOODS-CHAMPAIGN	0.558			Cooper Slough		Yes		
IL0020001	AVISTON STP	0.167	0.35	Yes	Lake Branch		Yes	Reapply	
IL0020206	NOKOMIS STP	0.36	0.9	Yes	Unnamed Tributary to East Fork of Shoal Creek		Yes		
IL0020621	LITCHFIELD STP	3.04	5.835	No	Unnamed Tributary to West Fork of Shoal Creek		Yes		
IL0020753	FREEBURG EAST STP	0.31	0.775	Yes	Lemon Cr to Silver Cr	Yes		Reapply	
IL0020893	FAYETTEVILLE STP	0.05	0.199	No	Kaskaskia River	Yes			
IL0021083	CASEYVILLE TOWNSHIP EAST STP	4.4	11.39	No	Intermittent Tributary of Ogles Creek	Yes			
IL0021181	SWANSEA STP	5.015	11.89	No	Richland Creek	Yes			
IL0021270	BECKEMEYER STP	0.125	0.408	Yes	Unnamed Tributary to Beaver Creek		Yes	Reapply	
IL0021440	EVANSVILLE STP	0.17	0.425	No	Kaskaskia River	Yes			
IL0021636	O'FALLON STP	5.61	13.14	No	Silver Creek	Yes			
IL0021725	NEW ATHENS WWTP	0.3	0.75	No	Kaskaskia River	Yes			
IL0021741	ARTHUR STP	0.5	1.25	Yes	drainage ditch to Kaskaskia R		Yes	Reapply	
IL0021806	SULLIVAN STP	0.75	0.75	No	Asa Creek		Yes	Reapply	
IL0021873	BELLEVILLE STP #1	8	16	Yes	Richland Creek	Yes			
IL0021890	SHELBYVILLE STP	0.73	2	No	Kaskaskia River		Yes		
IL0022314	PANA STP	1.17	3.13	Yes	Coal Creek		Yes		
IL0022667	WITT STP	0.115	0.29	Yes	unnam trib of E Fk Shoal Cr		Yes		
IL0022772	BREESE STP	0.629	1.57	No	unnam trib to Shoal Cr		Yes	Reapply	
IL0023051	BETHANY STP	0.2	0.404	No	unnam trib to Marrowbone Cr		Yes	Reapply	
IL0023264	SALEM STP	1.672	3.762	Yes	Town Cr		Yes		
IL0023574	VANDALIA STP	1.3	8.25	No	Kaskaskia River		Yes		
IL0024376	PATOKA COMMUNITY UNIT SCHOOL	0.006	0.008	Yes	Deer Creek		Yes	Revoke	
IL0024601	NEW ATHENS MOBIL HOME PARK	0.0278	0.0645	Yes	unnam trib of Lively Br Cr	Yes		Reapply	
IL0024813	MARISSA STP	0.585	2.54	Yes	Unnamed Tributary to Doza Creek	Yes			
IL0024899	CENTRAL CITY STP	0.304	1.267	Yes	unnam trib to Raccoon Cr		Yes	Reapply	
IL0025097	ATWOOD STP	0.2	0.5	Yes	Lk Fk Br Kaskakia		Yes		
IL0025291	MASCOUTAH STP	0.965	2.972	Yes	Silver Creek	Yes		Reapply	
IL0025348	RED BUD STP	0.6	1.2	Yes	Black Creek	Yes		Reapply	
IL0025381	RAYMOND STP	0.1	0.25	Yes	Unnamed Tributary to West Fork of Shoal Creek		Yes	Reapply	
IL0025895	COE-WILBORN CREEK	0.015	0.0375	No	Lake Shelbyville		Yes		
IL0025933	CORPS OF ENGR-CARLYLE BOULDER	0.001	No limit	No	Carlyle Lake		Yes		
IL0026298	GREENVILLE STP	1.57	3.93	Yes	Unnamed North Branch of Beaver Creek		Yes		
IL0026701	TRENTON STP	0.5	1.25	yes	Unnamed tributary of Sugar Creek		Yes	Reapply	
IL0026859	SCOTT AIR FORCE BASE	2	3	Yes	Unnamed tributary of Silver Creek		Yes		
IL0026948	ADORERS OF THE BLOOD OF CHRIST	0.03	0.114	Yes	Unnamed Tributary to Horse Creek	Yes			
IL0027081	NASHVILLE STP	0.5	1.7	Yes	Nashville Cr		Yes		
IL0027219	BALDWIN STP	0.051	0.128	Yes	unnam trib to Plum Cr	Yes		Reapply	
IL0027901	CARLYLE STP	1.4	3.2	No	Little Wabash R		Yes		
IL0027979	CENTRALIA STP	3.15	4.5	Yes	Sewer Creek		Yes		
IL0028231	COWDEN STP	0.075	0.75	Yes	Unnamed Tributary to Kaskaskia River		Yes	Reapply	
IL0029173	HIGHLAND STP	1.6	4	Yes	Lindenthal Creek		Yes	Reapply	
IL0029203	HILLSBORO STP	1.045	3.067	Yes	Middle Fork of Shoal Creek		Yes		
IL0029335	CENTRALIA-KASKASKIA COLLEGE	0.125	0.312	Yes	Prairie Creek		Yes	Reapply	
IL0029483	LEBANON STP	0.878	1.3	Yes	Little Silver Cr	Yes		Reapply	
IL0030872	ST. ELMO STP	0.343	1.31	Yes	Brickyard Br of S Fk Sugar Cr		Yes		
IL0030961	SANDOVAL STP	0.18	0.45	Yes	Prairie Creek		Yes		
IL0031488	TROY STP	1.35	3.902	No	Troy Creek, Wendel Branch	Yes			
IL0031526	URBANA-CHAMPAIGN SD SW STP	7.98	17.25	Yes	Copper Slough		Yes		
IL0032310	FREEBURG WEST STP	0.4	1	Yes	Kinney Br of Richland Cr	Yes			
IL0032514	MILLSTADT STP	0.965	1.838	No	Douglas Creek	Yes			
IL0032549	BEMENT STP	0.176	0.48	No	unnam trib to Lake Fk to Kaskaskia R		Yes		
IL0032603	NEW BADEN STP	0.78	1.349	Yes	Unnamed Tributary to Sugar Creek		Yes	Reapply	
IL0037974	RAMSEY LAKE STATE PARK	0.015	0.0375	Yes	unnam trib to Ramsey Cr		Yes	Reapply	
IL0046019	COUNTRYVIEW COURT-SPARTA	0.011	0.028	No	unnam trib to Plum Cr	Yes			
IL0046281	DALTON CITY STP	0.075	0.185	Yes	unnam trib to Marrowbone Cr		Yes		

IL0046663	DUTCH HOLLOW VILLAGE, INC.	0.08	0.2	No	Unnamed Tributary to Schoenburg Creek	Yes			
IL0046884	Prairie State Training and Mine Rescue Center	0.0018	0.0045	Yes	Little Muddy Cr	Yes			
IL0048232	ST. CLAIR TWP	1.5	3.75	No	Loop Creek	Yes			
IL0048992	PANAMA STP	0.0525	0.131	Yes	Bearcat Creek		Yes	Revoke	
IL0049140	ADDIEVILLE STP	0.033	0.083	No	Plum Creek		Yes		
IL0050156	FILLMORE STP	0.049	0.195	No	Caldwell Branch to Dry Fork Creek		Yes		
IL0052256	CLANAHAN TRAILER PARK	0.0042	0.01	Yes	unnam trib to Silver Cr	Yes		Reapply	
IL0052981	RACCOON CONSOLIDATED SCHOOL	0.0125	0.031	Yes	Unnamed Tributary to Raccoon Creek		Yes		
IL0053996	IL DNR-ELDON HAZLETT SP CAMPGR	0.045	0.11	No	unnam trib of Carlyle Lk		Yes		
IL0054976	LITCHFIELD-LAKE YAEGAR REC STP	0.004	0.01	No	West Fork Shoal Creek		Yes		
IL0061131	SMITHTON-WILDWOOD STP	0.154	0.614	Yes	W Fk Richland Cr	Yes			
IL0061344	IL DOC-CENTRALIA CORRECTIONAL	0.234	0.343	Yes	Unnamed Tributary to Prairie Creek		Yes	Reapply	
IL0061697	HICKORY SHORES RESORT	0.01	0.02	No	Carlyle Lake		Yes		
IL0062111	VALLEY VIEW MOBILE-HOME PARK	?				Yes			terminated 2003
IL0063282	RUMA STP	0.04	0.16	Yes	Ruma Cr	Yes			
IL0063525	HOLIDAY INN CARLINVILLE	0.026	0.033	No	Shop Cr, trib to Shoal Cr		Yes		
IL0063762	DAMIANSVILLE STP	0.06	0.234	Yes	unnam trib to Sugar Cr		Yes	Reapply	
IL0063878	BEECHER CITY STP	0.052	0.105	Yes	Wolf Creek		Yes		
IL0064220	SUMMERFIELD STP	0.07	0.245	Yes	Unnamed tributary of Little Silver Creek	Yes			
IL0066133	SPARTA STP	0.25	0.62	Yes	unnam trib to Plum Cr	Yes		Reapply	
IL0066672	OAK TERRACE-BEYERS LAKE	0.09	0.36	Yes	Unnamed Tributary to Coal Creek		Yes	Reapply	
IL0066788	TRISIMO MOTEL DEVELOPMENT	0.0092	0.037	yes	Unnamed tributary of Silver Creek	Yes			
IL0067202	COLWELL SYSTEMS INC.	0.008	No limit		unnam trib to Kaskaskia R		Yes		
IL0068314	IL DOT-I64 ST CLAIR COUNTY	0.03	0.18	Yes	Brooks Run Cr	Yes			
IL0070734	WATERLOO EAST STP	0.25				Yes			terminated 2009
IL0072281	GATEWAY RETREAT CENTER	0.016	0.068	No	Roadway ditch to Governor Bond Lk		Yes	Reapply	
IL0074179	OKAWVILLE STP	0.25	0.877	Yes	Plum Creek		Yes		
IL0074292	NEW DOUGLAS STP	0.055	0.18	Yes	unnam trib of Little Dry Fk		Yes	Reapply	
IL0074993	MANORS AT KENSINGTON PARQUE	0.0238	0.0595	No	Unnamed Tributary to Wendell Branch	Yes			
IL0075094	METRO-EAST AIRPARK STP	0.0042	0.015	Yes	Unnamed Tributary to Silver Creek	Yes		Reapply	
IL0075388	CASTLE RIDGE ESTATES SUBDIVSN	0.0175	0.0735	Yes	Unnamed Tributary to Mill Creek		Yes	Reapply	
ILG551011	WESCLIN HIGH SCHOOL DIST 3	0.02	0.05		Unnamed tributary of Sugar Creek		Yes	Reapply	
ILG551025	TRIAD COMMUNITY UNIT DIST #2	0.0195	0.0488	Yes	unnam trib to Silver Cr	Yes			
ILG551027	IL DOT-I-70 REST AREA	0.028	0.072	Yes	Unnamed tributary of Sugar Creek		Yes		
ILG551030	WESTERN Gardens MHP-CENTRALIA	0.0187	0.048	Yes	unnam trib to Shoal Cr		Yes	Reapply	
ILG551050	TIMBER LAKE HOMEOWNERS ASSOC	0.0068	0.017	Yes	Hatterburg Cr	Yes			
ILG551052	Bethell Terrace MHP	0.04	0.1	Yes	Unnam trib to Canteen Cr		Yes		
ILG551055	COUNTRY SCHOOL MHP	0.0024	0.006	Yes	Crooked Creek		Yes		
ILG551078	WEST SIDE MOBILE HOME PARK	0.02	0.05	Yes	Swafford Br to Robinson Cr		Yes		
ILG580002	SAINT ROSE SD STP	0.039	0.53	Yes	unnam trib to Lake Br		Yes	Reapply	
ILG580003	BARTELSON STP	0.0668	0.167	Yes	Kaskaskia River		Yes	Reapply	
ILG580004	ALHAMBRA STP	0.0725	0.288	Yes	unnam trib to Silver Cr	Yes		Reapply	
ILG580006	IRVINGTON SD WWTF	0.093	0.33	Yes	unnam trib to Grand Point Cr		Yes		
ILG580007	ST. PETER EAST STP	0.042	0.17	Yes	unnam trib of Lone Grove Br		Yes	Reapply	
ILG580010	POCAHONTAS STP	0.125	0.5	Yes	trib to Shoal Cr		Yes	Reapply	
ILG580011	HAMEL STP	0.105	0.263	Yes	unnam trib to Silver Cr	Yes		Reapply	
ILG580013	LENZBURG STP	0.0825	0.165	Yes	unnam trib to Doza Cr	Yes			
ILG580014	SAINT LIBORY WWTP	0.09	0.225	Yes	Little Muddy Cr	Yes			
ILG580016	HOYLETON STP	0.059	0.159	Yes	unnam trib to North Cr		Yes		
ILG580017	ALBERS STP	0.0907	0.227	Yes	unnam trib to Grassy Br to Sugar Cr		Yes	Reapply	
ILG580022	PATOKA STP	0.072	0.149	Yes	un trib to Carlyle Lk		Yes	Reapply	
ILG580026	SMITHTON STP	0.24	0.6	Yes	Douglas Creek	Yes			
ILG580027	BROWNSTOWN STP	0.1	0.327	Yes	W Br Camp Cr		Yes		
ILG580047	FARINA STP	0.105	0.062	Yes	Kaskaskia River		Yes	Reapply	
ILG580049	SORENTO STP	0.07	0.175	Yes	unnam trib to Shoal Cr		Yes	Reapply	
ILG580051	HUMBOLT STP	0.07	0.175	Yes	Flat Br		Yes	Reapply	
ILG580066	CERRO GORDO STP	0.2	0.5	Yes	Field ditch to Sangamon R		Yes		
ILG580081	LOUISVILLE STP	0.15	0.375	Yes	Little Wabash		Yes	Revoke	
ILG580095	HAMMOND STP	0.07	0.175	Yes	Hammond Mutual Ditch		Yes		
ILG580107	TILDEN STP	0.111	0.275	Yes	unnam trib to Plum Cr S	Yes		Reapply	

Appendix F

NPDES Dischargers and Fecal Coliform Exemptions

ILG580115	LIVINGSTON STP	0.148	0.6678	Yes	Silver Creek	Yes		Reapply	
ILG580123	KINMUNDY STP	0.146	0.442	Yes	Schneider Sp Br to E Fk Kaskaskia		Yes	Reapply	
ILG580131	WINDSOR STP	0.149	0.5	Yes	unnam trib to Sand Cr		Yes	Reapply	
ILG580137	PIERRON WEST STP	0.0429	0.172	Yes	Unnamed tributary of Sugar Creek		Yes	Reapply	
ILG580140	TAYLOR SPRINGS STP	0.088	0.1344	Yes	unnam trib to Middle Fk Shoal		Yes		
ILG580144	WAMAC STP	0.15	0.6	Yes	Fulton Br		Yes		
ILG580145	ELLIS GROVE STP	0.0247	0.041	Yes	unnam trib to Little Nine Mile Cr	Yes			
ILG580163	STEWARTSON STP	0.11	0.275	Yes	Wolf Cr		Yes		
ILG580186	GERMANTOWN STP	0.135	0.33	Yes	unnam trib to Shoal Cr		Yes	Reapply	
ILG580187	ODIN STP	0.195	1.8	Yes	unnam trib of Turkey Cr		Yes	Reapply	
ILG580191	MULBERRY GROVE SD STP	0.0864	0.237	Yes	unnam trib to Hurrigan Cr		Yes	Reapply	
ILG580198	IRVING STP	0.075	0.1875	Yes	unnam trib to Little Cr		Yes		
ILG580204	KEYESPORT STP	0.09	0.135	Yes	unnam trib to Flat Br Cr		Yes		
ILG580205	HOFFMAN STP	0.06	0.15	Yes	Prairie Creek		Yes	Reapply	
ILG580212	SAINT JACOB STP	0.14	0.35	Yes	unnam trib to E Br Silver Cr	Yes			
ILG580217	HOPKINS PARK STP	0.25	0.88	Yes	unnam trib to Little Bear Cr	Yes		Reapply	
ILG580222	RAMSEY STP	0.171	0.632	Yes	Ramsey Cr		Yes		
ILG580228	MARINE STP	0.24	0.66	Yes	unnam trib to silver cr	Yes		Reapply	
ILG580235	HECKER STP	0.08	0.12	Yes	Richland Creek	Yes			
ILG580237	PIERRON EAST STP	0.0206	0.0854	Yes	unnam trib to Beaver Cr		Yes	Reapply	
ILG580240	STRASBURG STP	0.06	0.15	Yes	unnam trib to Brush to Richland Cr N		Yes		
ILG580243	COFFEEN STP	0.1	0.864	Yes	unnam trib to Shoal Cr		Yes		
ILG580244	TOWER HILL STP	0.1	0.38	Yes	Mitchell Cr		Yes		

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-20	6/3/1997	551	0.72284132	350	471822.096	269612.6263	Yes
O-20	10/29/1990	460	0.74676967	10	11254.24756	225084.9511	No
O-20	8/1/1991	248	0.82224653	200	121350.1476	121350.1476	No
O-20	6/29/2005	232	0.83147604	54	30650.69856	113521.1058	No
O-20	8/31/2005	223	0.83721884	1200	654703.6188	109117.2698	Yes
O-20	9/28/1994	217	0.84159431	440	233599.0341	106181.3791	Yes
O-20	8/21/2001	213	0.84576468	66	34393.95916	104224.1187	No
O-20	9/24/1991	212	0.84637998	420	217843.0875	103734.8036	Yes
O-20	8/12/2004	199	0.85813906	1770	861757.3081	97373.70712	Yes
O-20	8/12/1997	189	0.86689	42	19420.91676	92480.55601	No
O-20	9/22/2003	173	0.88090518	2000	846515.1423	84651.51423	Yes
O-20	9/10/1997	168	0.88480208	46	18907.1359	82204.93868	No
O-20	10/27/2003	137	0.91050796	132	44243.87235	67036.17023	No
O-20	9/27/1990	129	0.9192589	150	47341.23701	63121.64934	No
O-20	10/16/1996	124	0.92513844	370	112248.8865	60675.07379	Yes
O-20	10/9/2001	108	0.94742599	60	15853.8096	52846.03201	No
O-30	5/1/2002	15092.5	7.4656%	10	369,249	7,384,978	No
O-30	6/6/1990	13394.9	9.9132%	90	2,949,454	6,554,342	No
O-30	5/15/1995	12937.9	10.6037%	100	3,165,355	6,330,710	No
O-30	6/8/1998	7636.3	21.1116%	220	4,110,229	3,736,571	Yes
O-30	9/4/2003	7205.4	22.3901%	485	8,549,866	3,525,718	Yes
O-30	5/11/1998	7114.0	22.7798%	92	1,601,256	3,480,991	No
O-30	6/3/1996	7074.8	22.9712%	64	1,107,783	3,461,823	No
O-30	6/18/2003	6970.4	23.3609%	104	1,773,567	3,410,707	No
O-30	7/27/2000	6539.5	25.0085%	5	79,996	3,199,853	No
O-30	5/27/2003	6526.4	25.0427%	820	13,093,201	3,193,464	Yes
O-30	7/21/1995	6108.5	26.9775%	108	1,614,060	2,989,000	No
O-30	7/15/1996	5912.7	28.2218%	46	665,426	2,893,157	No
O-30	8/24/1998	5625.4	30.3958%	14	192,681	2,752,588	No
O-30	7/17/1990	5285.9	32.9938%	10	129,323	2,586,461	No
O-30	7/15/1998	5103.1	34.3474%	65	811,528	2,497,008	No
O-30	5/24/1993	4946.4	35.4481%	120	1,452,200	2,420,334	No
O-30	6/14/1995	4946.4	35.4481%	60	726,100	2,420,334	No
O-30	5/26/2004	4907.2	35.7421%	700	8,404,078	2,401,165	Yes
O-30	6/23/2004	4855.0	36.0840%	60	712,682	2,375,607	No
O-30	9/20/1993	4698.3	37.0889%	75	862,100	2,298,933	No
O-30	6/23/1993	4280.4	39.8851%	55	575,979	2,094,469	No
O-30	9/21/2005	3588.3	43.8231%	4600	40,383,984	1,755,825	Yes
O-30	6/18/1991	3496.9	44.3632%	40	342,220	1,711,099	No
O-30	6/2/1994	2870.1	48.6429%	12	84,264	1,404,403	No
O-30	7/13/1994	2752.6	49.6342%	12	80,814	1,346,897	No
O-30	6/4/2001	2308.6	53.4628%	20	112,965	1,129,654	No
O-30	8/13/1992	2047.5	56.0402%	10	50,093	1,001,864	No
O-30	9/25/2000	1864.7	57.9203%	16	72,993	912,411	No

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-30	9/9/2004	1694.9	59.9986%	19	78,788	829,347	No
O-30	8/9/1993	1551.3	61.4617%	45	170,789	759,063	No
O-30	9/5/1995	1407.6	62.9794%	8	27,551	688,778	No
O-30	8/29/2002	1407.6	62.9794%	9	30,995	688,778	No
O-30	10/7/1998	1333.2	64.0870%	130	424,033	652,358	No
O-30	9/15/1992	1311.0	64.3741%	10	32,075	641,496	No
O-30	7/7/1997	1273.1	64.8663%	22	68,526	622,966	No
O-30	10/23/1990	1271.8	64.8869%	200	622,328	622,328	No
O-30	7/17/2001	1222.2	65.4748%	14	41,863	598,047	No
O-30	5/15/1991	1198.7	65.7961%	40	117,309	586,546	No
O-30	8/4/2003	1158.2	66.4251%	11	31,171	566,739	No
O-30	6/11/1992	1151.7	66.5208%	10	28,177	563,544	No
O-30	5/2/2001	1149.1	66.6029%	12	33,736	562,266	No
O-30	8/26/1996	995.0	69.1324%	7	17,040	486,870	No
O-30	10/29/2002	980.6	69.4332%	20	47,984	479,842	No
O-30	6/15/2000	958.4	69.8298%	25	58,622	468,979	No
O-30	5/18/2000	942.8	70.0691%	105	242,189	461,312	No
O-30	6/3/1997	795.2	72.2841%	390	758,766	389,111	Yes
O-30	9/12/1990	733.8	73.4053%	10	17,954	359,080	No
O-30	10/15/2003	726.0	73.6036%	5	8,881	355,246	No
O-30	8/15/2005	500.1	79.1071%	14	17,130	244,708	No
O-30	5/20/2005	412.6	81.6982%	22	22,209	201,898	No
O-30	8/1/1991	399.6	82.2247%	10	9,775	195,509	No
O-30	9/28/1994	359.1	84.1594%	10	8,785	175,701	No
O-30	8/21/2001	353.9	84.5765%	4	3,463	173,145	No
O-30	9/24/1991	352.5	84.6380%	20	17,251	172,506	No
O-30	8/12/2004	335.6	85.8139%	2	1,642	164,200	No
O-30	8/12/1997	322.5	86.6890%	12	9,469	157,811	No
O-30	9/10/1997	295.1	88.4802%	24	17,327	144,393	No
O-30	10/12/2005	252.0	91.2559%	28	17,263	123,307	No
O-30	10/16/1996	237.6	92.5138%	0.1	58	116,279	No
O-30	10/9/2001	216.7	94.7426%	30	15,908	106,056	No

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-20	5/1/2002	11500	0.07465646	10	281356.1889	5627123.779	No
O-20	5/15/1995	9850	0.10603678	1180	28436547.69	4819753.845	Yes
O-20	5/12/2003	8690	0.12969167	693	14733693.92	4252148.316	Yes
O-20	6/12/2003	6400	0.18958091	12200	191028619.4	3131616.712	Yes
O-20	6/8/1998	5790	0.21111643	540	7649463.133	2833134.494	Yes
O-20	5/11/1998	5390	0.22779791	74	975841.1262	2637408.449	No
O-20	6/3/1996	5360	0.22971218	5800	76059140.88	2622728.996	Yes
O-20	7/27/2000	4950	0.25008546	170	2058793.33	2422109.8	No
O-20	7/12/1995	4730	0.26163943	44	509181.3047	2314460.476	No
O-20	7/15/1996	4470	0.28221782	48	524937.2513	2187238.547	No
O-20	8/24/1998	4250	0.30395843	34	353530.1678	2079589.223	No
O-20	7/9/1990	3890	0.34046626	210	1998607.572	1903435.782	Yes
O-20	7/15/1998	3850	0.3434744	88	828899.7983	1883863.178	No
O-20	5/24/1993	3730	0.35448144	260	2372688.974	1825145.365	Yes
O-20	6/14/1995	3730	0.35448144	108	985578.4969	1825145.365	No
O-20	5/26/2004	3700	0.35742121	6100	55219210.3	1810465.911	Yes
O-20	6/23/2004	3660	0.36083954	225	2014754.97	1790893.307	Yes
O-20	9/20/1993	3540	0.37088945	280	2425045.691	1732175.494	Yes
O-20	6/23/1993	3220	0.39885144	110	866577.0619	1575594.658	No
O-20	5/7/1990	3150	0.40425241	80	616537.0401	1541342.6	No
O-20	6/18/1991	2620	0.44363164	14000	89740391.39	1282005.591	Yes
O-20	6/2/1994	2140	0.48642921	290	1518344.79	1047134.338	Yes
O-20	7/13/1994	2050	0.49634238	34	170526.3162	1003095.978	No
O-20	6/4/2001	1710	0.53462774	620	2593859.404	836728.8401	Yes
O-20	8/13/1992	1510	0.560402	100	369432.9089	738865.8179	No
O-20	9/25/2000	1370	0.57920284	300	1005542.553	670361.7023	Yes
O-20	9/9/2004	1240	0.59998633	112	339780.4132	606750.7379	No
O-20	8/9/1993	1130	0.6146168	100	276463.0378	552926.0756	No
O-20	8/23/1990	1110	0.61687291	10	27156.98867	543139.7734	No
O-20	9/5/1995	1020	0.62979422	1700	4242362.014	499101.4134	Yes
O-20	8/29/2002	1020	0.62979422	44	109802.3109	499101.4134	No
O-20	10/7/1998	963	0.64086962	4260	10036782.63	471210.4521	Yes
O-20	9/15/1992	946	0.64374103	200	462892.0952	462892.0952	No
O-20	7/7/1997	917	0.64866343	82	183967.8023	448701.957	No
O-20	7/17/2001	878	0.65474807	42	90219.9202	429618.6676	No
O-20	6/11/1992	824	0.66520818	170	342716.3039	403195.6516	No
O-20	5/2/2001	822	0.66602858	80	160886.8086	402217.0214	No
O-20	9/20/2005	818	0.66678061	20000	40025976.09	400259.7609	Yes
O-20	5/2/1991	791	0.67320708	20	38704.82529	387048.2529	No
O-20	8/26/1996	704	0.69132426	66	113677.6866	344477.8383	No
O-20	10/29/2002	693	0.6943324	75	127160.7645	339095.372	No
O-20	6/15/2000	676	0.69829767	740	1223874.956	330777.0152	Yes
O-20	5/18/2000	664	0.7006905	600	974715.7015	324905.2338	Yes
O-20	8/11/2003	583	0.71641485	370	527750.8132	285270.7098	Yes

Appendix G

QUAL2K Model Files

Station:	OCF-96			
Stream Name:	Kinney Branch		Discharge (CFS):	0.610
Collector:	DBM, KAJ			
Date:	9/8/2008	Time:	8:00	
Distance from LBF (in feet)	Total Depth	Water Depth	Flow Velocity (at 0.6 depth)	
3.00	3.30			
6.00	6.00			
9.00	6.80			
12.00	8.70			
15.00	8.90			
16.60	9.10	0.00		
17.60	9.21	0.11	0.379	
18.60	9.21	0.11	0.387	
19.60	9.26	0.16	0.986	
20.10	9.30	0.20	1.270	
20.60	9.38	0.28	1.171	
21.10	9.30	0.20	0.982	
21.60	9.25	0.15	0.383	
21.70	9.10	0.00		
24.00	7.10			
27.00	5.70			
30.00	4.50			
33.00	2.90			
35.50	0.00			

Station:	OC-95			
Stream Name:	Richland Cr.			Discharge (CFS): 6.440
Collector:	DBM, KAJ			
Date:	9/8/2008	Time:	10:00	
Distance from LBF (in feet)	Total Depth	Water Depth	Flow Velocity (at 0.6 depth)	
7.00	3.20			
14.00	7.50			
21.00	11.70			
28.00	14.40			
31.00	15.20	0.00		
32.00	15.31	0.11	0.00	
33.00	15.57	0.37	0.259	
34.00	15.40	0.20	0.175	
35.00	15.62	0.42	0.091	
36.00	15.66	0.46	0.823	
37.00	15.70	0.50	0.886	
38.00	15.70	0.50	1.482	
39.00	15.62	0.42	0.731	
40.00	15.72	0.52	0.322	
41.00	15.95	0.75	0.690	
42.00	16.00	0.80	0.811	
43.00	15.96	0.76	0.815	
44.00	15.93	0.73	1.130	
45.00	15.80	0.60	1.170	
46.00	15.72	0.52	0.885	
47.00	15.65	0.45	0.737	
48.00	15.55	0.35	0.333	
49.00	15.42	0.22	0.081	
49.89	15.20	0.00		
56.00	9.80			
63.00	5.90			
70.00	2.50			
72.50	0.00			

QUAL2K FORTRAN**Stream Water Quality Model****Steve Chapra, Hua Tao and Greg Pelletier****Version 2.11b8**

System ID:		
River name	O-30	
Saved file name	O-30.xls	
Directory where file saved	d Settings\bennettbj\My Documents\QUAL2K	
Month	10	
Day	12	
Year	2005	
Local time hours to UTC	-5	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Eastern Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.19	minutes
Time of sunrise	7:58 AM	
Time of solar noon	1:38 PM	
Time of sunset	7:18 PM	
Photoperiod	11.34	hours

<i>6:00 PM</i>	<i>7:00 PM</i>	<i>8:00 PM</i>	<i>9:00 PM</i>	<i>10:00 PM</i>	<i>11:00 PM</i>
16.10	16.10	16.10	16.10	16.10	16.10
8.70	8.70	8.70	8.70	8.70	8.70
290.00	290.00	290.00	290.00	290.00	290.00
216.00	216.00	216.00	216.00	216.00	216.00
45.00	45.00	45.00	45.00	45.00	45.00
159.00	159.00	159.00	159.00	159.00	159.00
7.60	7.60	7.60	7.60	7.60	7.60

<i>Bottom Algae Coverage</i>	<i>Bottom SOD Coverage</i>	<i>Prescribed SOD gO2/m2/d</i>	<i>Prescribed CH4 flux gO2/m2/d</i>	<i>Prescribed NH4 flux mgN/m2/d</i>	<i>Prescribed Inorg P flux mgP/m2/d</i>
50.00%	50.00%	0.00	0.0000	0.0000	0.0000
50.00%	50.00%	0.00	0.0000	0.0000	0.0000
50.00%	50.00%	0.00	0.0000	0.0000	0.0000
50.00%	50.00%	0.00	0.0000	0.0000	0.0000

QUAL2K**Stream Water Quality Model****O-30 (10/12/2005)****Water Column Rates**

Parameter	Value	Units	Symbol
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.3	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	Banks-Herrera		
O2 for carbon oxidation	2.69	gO ₂ /gC	r_{oc}
O2 for NH4 nitrification	4.57	gO ₂ /gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{soef}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0.1	/d	k_{hc}
Temp correction	1.047		θ_{hc}
Oxidation rate	0	/d	k_{des}
Temp correction	1.047		θ_{des}
Fast CBOD:			
Oxidation rate	5	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.2	/d	k_{hn}

Temp correction	1.07		θ_{hn}
Settling velocity	0.12	m/d	v_{on}
Ammonium:			
Nitrification	7	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.1	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.2	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.1	m/d	v_{op}
Inorganic P:			
Settling velocity	0.001	m/d	v_{ip}
Inorganic P sorption coefficient	0	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	0.05	mgO ₂ /L	k_{spi}
Phytoplankton:			
Max Growth rate	2.5	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.2	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.2	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	25	ugN/L	k_{sPp}
External Phosphorus half sat constant	5	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0.5	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	50	mgA/m ² /d or /d	C_{gb}

Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m ²	$a_{b,max}$
Respiration rate	0.1	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.05	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.5	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.1	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	P_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}

Settling velocity

0 m/d

v_{dt}

QUAL2K
Stream Water Quality Model
O-30 (10/12/2005)
Point Source Data:

Name	Dissolved Oxygen			Slow CBOD		
	mean mg/L	range/2 mg/L	time of max	mean mgO2/L	range/2 mgO2/L	time of max
DYNEGY MIDWEST GENERATION-BALD						
PEABODY COAL COMPANY-RIVER KNG						
EVANSVILLE STP						
ADORERS OF THE BLOOD OF CHRIST	6.68					
BALDWIN STP						
COUNTRYVIEW COURT-SPARTA						
PEABODY COAL CO BALDWIN #1 MIN						
RUMA STP	7.58					
SPARTA STP	6.69					
TILDEN STP						
ELLIS GROVE STP						
ACKERMAN'S RESTAURANT						
ALHAMBRA STP						
ALHAMBRA WTP						
BALDWIN WTP						
BELLEVILLE STP #1	8.17					
CASEYVILLE TOWNSHIP EAST STP	8.25					
CLANAHAN TRAILER PARK						
COLUMBIA QUARRY-HECKER STOCKPL						
COLUMBIA QUARRY-WATERLOO PIT 7						
COULTERVILLE WTP						
DUTCH HOLLOW VILLAGE, INC.						
FAYETTEVILLE STP						
FREEBURG EAST STP						
FREEBURG WEST STP	7.02					
HAMEL STP						

QUAL2K**Stream Water Quality Model****O-30 (10/12/2005)****Point Source Data:**

Name	Dissolved Oxygen			Slow CBOD		
	mean mg/L	range/2 mg/L	time of max	mean mgO2/L	range/2 mgO2/L	time of max
HECKER STP						
HIGHLAND WTP						
HOME OIL COMPANY-BELLEVILLE						
HOPKINS PARK STP						
IL DOT-I64 ST CLAIR COUNTY						
JOHANNISBURG GRADE SCHOOL	6.11					
KASKASKIA WATER DIST PWS						
LEBANON STP						
LENZBURG STP						
LIVINGSTON STP						
MANORS AT KENSINGTON PARQUE						
MAPLE LEAF ESTATES WATER CORP.						
MARINE STP						
MARINE WTP						
MARISSA STP						
MASCOUTAH STP						
METRO-EAST AIRPARK STP						
MIDAMERICA AIRPORT						
MILLSTADT STP	7.08					
MISSISSIPPI RIVER TRANSMISSION						
MUNIE TRUCKING CO.-HIGHLAND						
NEW ATHENS MOBIL HOME PARK						
NEW ATHENS WWTP						
O'FALLON STP	7.743					
PEABODY COAL CO-BALDWIN 3 UNDE						
PEABODY COAL COMPANY						

QUAL2K**Stream Water Quality Model****O-30 (10/12/2005)****Point Source Data:**

Name	Dissolved Oxygen			Slow CBOD		
	mean mg/L	range/2 mg/L	time of max	mean mgO2/L	range/2 mgO2/L	time of max
PEABODY COAL-MARISSA MINE						
RED BUD STP	6.08					
SAINT JACOB STP						
SAINT LIBORY WWTP						
SCOTT AIR FORCE BASE	7.48					
SMITHTON STP						
SMITHTON-WILDWOOD STP						
ST. CLAIR TWP	7.46					
ST. LIBORY WTP						
SUMMERFIELD LEBANON MASCOUTAH						
SUMMERFIELD STP						
SWANSEA STP	8.04					
TIMBER LAKE HOMEOWNERS ASSOC						
TRIAD COMMUNITY UNIT DIST #2						
TRISIMO MOTEL DEVELOPMENT	7.32					
TROY STP	10.62					
TROY WTP						
VALLEY VIEW MOBILE HOME PARK						
WATERLOO EAST STP	8.52					

<i>Constituent i</i>			<i>Constituent ii</i>			<i>Constituent iii</i>			<i>pH</i>		
<i>mean</i>	<i>range/2</i>	<i>time of max</i>	<i>mean</i>	<i>range/2</i>	<i>time of max</i>	<i>mean</i>	<i>range/2</i>	<i>time of max</i>	<i>mean</i>	<i>range/2</i>	<i>time of max</i>
									<i>s.u.</i>	<i>s.u.</i>	<i>max</i>
									8.20		
									7.00		
									7.75		
									7.90		
									8.82		
									7.00		
									7.00		
									7.27		
									7.41		
									7.96		
									7.83		
									7.00		
									7.00		
									7.00		
									7.00		
									7.59		
									7.79		
									7.00		
									7.00		
									7.85		
									7.00		
									7.00		
									7.00		
									7.00		
									7.23		
									7.00		

<i>Constituent i</i>			<i>Constituent ii</i>			<i>Constituent iii</i>			<i>pH</i>		
<i>mean</i>	<i>range/2</i>	<i>time of max</i>	<i>mean</i>	<i>range/2</i>	<i>time of max</i>	<i>mean</i>	<i>range/2</i>	<i>time of max</i>	<i>mean</i>	<i>range/2</i>	<i>time of max</i>
									<i>s.u.</i>	<i>s.u.</i>	
									7.70		
									7.00		
									7.00		
									7.89		
									7.00		
									7.12		
									7.00		
									7.00		
									7.00		
									7.00		
									7.00		
									7.00		
									7.00		
									7.00		
									7.79		
									7.00		
									7.00		
									7.00		
									7.00		
									7.00		
									7.00		
									7.46		
									7.47		
									7.00		
									7.00		
									7.09		
									7.55		
									7.00		
									7.00		

QUAL2K FORTRAN
Stream Water Quality Model
Steve Chapra, Hua Tao and Greg Pelletier
Version 2.11b8



System ID:		
River name	OB-03	
Saved file name	O-30.xls	
Directory where file saved	d Settings\bennettbj\My Documents\QUAL2K	
Month	7	
Day	9	
Year	2002	
Local time hours to UTC	-5	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Eastern Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.17	minutes
Time of sunrise	6:37 AM	
Time of solar noon	1:57 PM	
Time of sunset	9:16 PM	
Photoperiod	14.65	hours

<i>6:00 PM</i>	<i>7:00 PM</i>	<i>8:00 PM</i>	<i>9:00 PM</i>	<i>10:00 PM</i>	<i>11:00 PM</i>
25.50	25.50	25.50	25.50	25.50	25.50
996.00	996.00	996.00	996.00	996.00	996.00
4.00	4.00	4.00	4.00	4.00	4.00
2.50	2.50	2.50	2.50	2.50	2.50
10.00	10.00	10.00	10.00	10.00	10.00
10000.00	10000.00	10000.00	10000.00	10000.00	10000.00
100.00	100.00	100.00	100.00	100.00	100.00
150.00	150.00	150.00	150.00	150.00	150.00
100.00	100.00	100.00	100.00	100.00	100.00
8.00	8.00	8.00	8.00	8.00	8.00

<i>Bottom</i>	<i>Bottom</i>	<i>Prescribed</i>	<i>Prescribed</i>	<i>Prescribed</i>	<i>Prescribed</i>
<i>Algae</i>	<i>SOD</i>	<i>SOD</i>	<i>CH4 flux</i>	<i>NH4 flux</i>	<i>Inorg P flux</i>
<i>Coverage</i>	<i>Coverage</i>	<i>gO2/m2/d</i>	<i>gO2/m2/d</i>	<i>mgN/m2/d</i>	<i>mgP/m2/d</i>
50.00%	100.00%	8.90	0.0000	0.0000	0.0000
50.00%	100.00%	8.90	0.0000	0.0000	0.0000

QUAL2K**Stream Water Quality Model****OB-03 (7/9/2002)****Water Column Rates**

Parameter	Value	Units	Symbol
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.3	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	None		
O2 for carbon oxidation	2.69	gO ₂ /gC	r_{oc}
O2 for NH4 nitrification	4.57	gO ₂ /gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{soef}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0.1	/d	k_{hc}
Temp correction	1.047		θ_{hc}
Oxidation rate	0	/d	k_{des}
Temp correction	1.047		θ_{des}
Fast CBOD:			
Oxidation rate	1.8	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.2	/d	k_{hn}

Temp correction	1.07		θ_{hn}
Settling velocity	0.12	m/d	v_{on}
Ammonium:			
Nitrification	1	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.1	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.2	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.01	m/d	v_{op}
Inorganic P:			
Settling velocity	0.001	m/d	v_{ip}
Inorganic P sorption coefficient	0	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	0.05	mgO ₂ /L	k_{spi}
Phytoplankton:			
Max Growth rate	2.5	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.2	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.2	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	25	ugN/L	k_{sPp}
External Phosphorus half sat constant	5	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0.5	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	10	mgA/m ² /d or /d	C_{gb}

Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m ²	$a_{b,max}$
Respiration rate	0.1	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.05	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.5	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.1	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	P_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}

Settling velocity

0 m/d

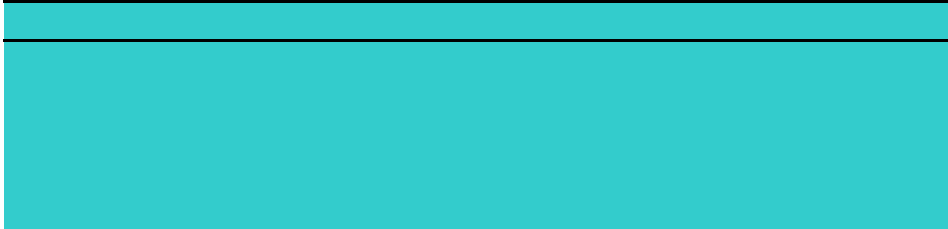
v_{dt}

QUAL2K
Stream Water Quality Model
OB-03 (7/9/2002)
Point Source Data:

Name	Dissolved Oxygen			Slow CBOD		
	mean mg/L	range/2 mg/L	time of max	mean mgO2/L	range/2 mgO2/L	time of max
ADORERS OF THE BLOOD OF CHRIST	6.68					
RUMA STP	7.58					

QUAL2K FORTRAN**Stream Water Quality Model****Steve Chapra, Hua Tao and Greg Pelletier****Version 2.11b8**

System ID:		
River name	OC-04 Richland Creek	
Saved file name	OC-04_Richland_TMDL_4_season.xls	
Directory where file saved	d Settings\bennettbj\My Documents\QUAL2K	
Month	8	
Day	8	
Year	1996	
Local time hours to UTC	-5	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Eastern Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.12	minutes
Time of sunrise	7:01 AM	
Time of solar noon	1:57 PM	
Time of sunset	8:54 PM	
Photoperiod	13.88	hours



6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
27.00	27.00	27.00	27.00	27.00	27.00
996.00	996.00	996.00	996.00	996.00	996.00
8.30	8.30	8.30	8.30	8.30	8.30
2.50	2.50	2.50	2.50	2.50	2.50
10.00	10.00	10.00	10.00	10.00	10.00
10000.00	10000.00	10000.00	10000.00	10000.00	10000.00
391.49	391.49	391.49	391.49	391.49	391.49
1008.51	1008.51	1008.51	1008.51	1008.51	1008.51
100.00	100.00	100.00	100.00	100.00	100.00
8.00	8.00	8.00	8.00	8.00	8.00

QUAL2K**Stream Water Quality Model****OC-04 Richland Creek (8/8/1996)****Reach Data:**

Reach for diel plot	3					
Element for diel plot	2	Reach	Headwater	Reach		
Reach	Downstream	Number	Reach	length	Downstream	
Label	end of reach label			(km)	Latitude	Longitude
1 - Headwater	Top Seg 2	1	Yes	4.840	38.338	88.035
2	Top Seg 3	2		6.125	38.299	88.048
3	Confluence	3		22.176	38.236	88.095

QUAL2K**Stream Water Quality Model****OC-04 Richland Creek (8/8/1996)****Water Column Rates**

Parameter	Value	Units	Symbol
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.3	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	None		
O2 for carbon oxidation	2.69	gO ₂ /gC	r_{oc}
O2 for NH4 nitrification	4.57	gO ₂ /gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{soef}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0.1	/d	k_{hc}
Temp correction	1.047		θ_{hc}
Oxidation rate	0	/d	k_{des}
Temp correction	1.047		θ_{des}
Fast CBOD:			
Oxidation rate	1.8	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.2	/d	k_{hn}

Temp correction	1.07		θ_{hn}
Settling velocity	0.12	m/d	v_{on}
Ammonium:			
Nitrification	1	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.1	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.2	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.01	m/d	v_{op}
Inorganic P:			
Settling velocity	0.001	m/d	v_{ip}
Inorganic P sorption coefficient	0	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	0.05	mgO ₂ /L	k_{spi}
Phytoplankton:			
Max Growth rate	2.5	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.2	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.2	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	25	ugN/L	k_{sPp}
External Phosphorus half sat constant	5	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0.5	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	10	mgA/m ² /d or /d	C_{gb}

Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m ²	$a_{b,max}$
Respiration rate	0.1	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.05	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.5	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.1	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	P_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}

Settling velocity

0 m/d

v_{dt}

QUAL2K**Stream Water Quality Model****OC-04 Richland Creek (8/8/1996)****Point Source Data:**

values from FR:

Name	Tributary No.	Headwater Label	Location km	Point	
				Abstraction m3/s	Inflow m3/s
TIMBER LAKE HOMEOWNERS ASSOC	0	Mainstem headwater	14.28		0.0003
COLUMBIA QUARRY-WATERLOO PIT 7	0	Mainstem headwater	14.28		
WATERLOO EAST STP	0	Mainstem headwater	14.28		0.0057
RED BUD STP	0	Mainstem headwater	10.56		0.0263
HECKER STP	0	Mainstem headwater	24.88		0.0035
COLUMBIA QUARRY-HECKER STOCKPL	0	Mainstem headwater	27.10		
SMITHTON-WILDWOOD STP	0	Mainstem headwater	28.30		0.0067
MAPLE LEAF ESTATES WATER CORP.	0	Mainstem headwater	22.18		

QUAL2K FORTRAN**Stream Water Quality Model****Steve Chapra, Hua Tao and Greg Pelletier****Version 2.11b8**

System ID:		
River name	OC-95 Richland Creek	
Saved file name	OC-95_TMDL_4_Season.xls	
Directory where file saved	d Settings\bennettbj\My Documents\QUAL2K	
Month	8	
Day	8	
Year	1996	
Local time hours to UTC	-5	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Eastern Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.07	minutes
Time of sunrise	7:00 AM	
Time of solar noon	1:57 PM	
Time of sunset	8:54 PM	
Photoperiod	13.90	hours

<i>6:00 PM</i>	<i>7:00 PM</i>	<i>8:00 PM</i>	<i>9:00 PM</i>	<i>10:00 PM</i>	<i>11:00 PM</i>
25.00	25.00	25.00	25.00	25.00	25.00
4.00	4.00	4.00	4.00	4.00	4.00
120.00	120.00	120.00	120.00	120.00	120.00
190.00	190.00	190.00	190.00	190.00	190.00
22.40	22.40	22.40	22.40	22.40	22.40
57.60	57.60	57.60	57.60	57.60	57.60
100.00	100.00	100.00	100.00	100.00	100.00
7.70	7.70	7.70	7.70	7.70	7.70

QUAL2K**Stream Water Quality Model****OC-95 Richland Creek (8/8/1996)****Reach Data:**

Reach for diel plot	3					
Element for diel plot	2	Reach	Headwater	Reach		
Reach	Downstream	Number	Reach	length	Downstream	
Label	end of reach label			(km)	Latitude	Longitude
1 - Headwater	Top Seg 2	1	Yes	0.221	38.5291	88.0212
2	Top Seg 3	2		0.119	38.5281	88.0210
3	Top Seg 4	3		0.379	38.5254	88.0188
4	Top Seg 5	4		0.915	38.5204	88.0125
5	Top Seg 6	5		0.992	38.5134	88.0066
6	Top Seg 7	6		1.254	38.5045	88.0133
7	Confluence	7		0.759	38.4988	88.0178

QUAL2K**Stream Water Quality Model****OC-95 Richland Creek (8/8/1996)****Water Column Rates**

Parameter	Value	Units	Symbol
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.3	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	None		
O2 for carbon oxidation	2.69	gO ₂ /gC	r_{oc}
O2 for NH4 nitrification	4.57	gO ₂ /gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{soef}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0.1	/d	k_{hc}
Temp correction	1.047		θ_{hc}
Oxidation rate	0	/d	k_{des}
Temp correction	1.047		θ_{des}
Fast CBOD:			
Oxidation rate	3.2	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.2	/d	k_{hn}

Temp correction	1.07		θ_{hn}
Settling velocity	0.12	m/d	v_{on}
Ammonium:			
Nitrification	1	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.1	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.2	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.01	m/d	v_{op}
Inorganic P:			
Settling velocity	0.001	m/d	v_{ip}
Inorganic P sorption coefficient	0	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	0.05	mgO ₂ /L	k_{spi}
Phytoplankton:			
Max Growth rate	2.5	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.2	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.2	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	25	ugN/L	k_{sPp}
External Phosphorus half sat constant	5	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0.5	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	10	mgA/m ² /d or /d	C_{gb}

Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m ²	$a_{b,max}$
Respiration rate	0.1	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.05	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.5	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.1	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	P_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}

Settling velocity

0 m/d

v_{dt}

QUAL2K**Stream Water Quality Model****OC-95 Richland Creek (8/8/1996)****Point Source Data:**

values from FR:

Name	Tributary No.	Headwater Label	Location km	Point	
				Abstraction m3/s	Inflow m3/s
Swansea STP (OC-SW-E1)	0	Mainstem headwater	4.36		0.1200
DUTCH HOLLOW VILLAGE STP	0	Mainstem headwater	3.92		0.0035

<i>Dissolved Oxygen</i>			<i>Slow CBOD</i>			<i>Fast CBOD</i>		
<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>
<i>mg/L</i>	<i>mg/L</i>	<i>max</i>	<i>mgO2/L</i>	<i>mgO2/L</i>	<i>max</i>	<i>mgO2/L</i>	<i>mgO2/L</i>	<i>max</i>
7.50						10.00		
6.00						10.00		

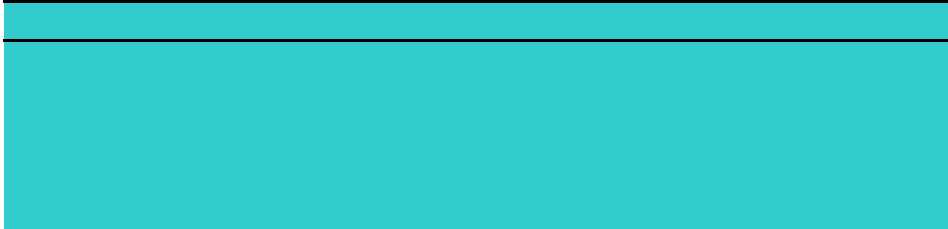
<i>Organic N</i>			<i>Ammonia N</i>			<i>Nitrate + Nitrite N</i>		
<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>
<i>ugN/L</i>	<i>ugN/L</i>	<i>max</i>	<i>ugN/L</i>	<i>ugN/L</i>	<i>max</i>	<i>ugN/L</i>	<i>ugN/L</i>	<i>max</i>
			1500.00			5500.00		
			1500.00					

<i>Pathogen Indicator Bacteria</i>			<i>Alkalinity</i>			<i>Constituent i</i>			<i>Cc</i>
<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>
<i>cfu/100ml</i>	<i>cfu/100ml</i>	<i>max</i>	<i>mgCaCO3/L</i>	<i>mgCaCO3/L</i>	<i>max</i>			<i>max</i>	
			100.00						
			100.00						

<i>Constituent ii</i>		<i>Constituent iii</i>			<i>pH</i>		
<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>	<i>mean</i>	<i>range/2</i>	<i>time of</i>
	<i>max</i>			<i>max</i>	<i>s.u.</i>	<i>s.u.</i>	<i>max</i>
					7.90		
					7.00		

QUAL2K FORTRAN**Stream Water Quality Model****Steve Chapra, Hua Tao and Greg Pelletier****Version 2.11b8**

System ID:		
River name	OCF - Kinney Branch	
Saved file name	OCF_Kinney_tmdl_4_season.xls	
Directory where file saved	d Settings\bennettbj\My Documents\QUAL2K	
Month	8	
Day	2	
Year	1996	
Local time hours to UTC	-5	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Eastern Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.15	minutes
Time of sunrise	6:55 AM	
Time of solar noon	1:58 PM	
Time of sunset	9:00 PM	
Photoperiod	14.09	hours



6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
22.00	22.00	22.00	22.00	22.00	22.00
2.80	2.80	2.80	2.80	2.80	2.80
1.00	1.00	1.00	1.00	1.00	1.00
10.00	10.00	10.00	10.00	10.00	10.00
70.00	70.00	70.00	70.00	70.00	70.00
53.10	53.10	53.10	53.10	53.10	53.10
136.90	136.90	136.90	136.90	136.90	136.90
100.00	100.00	100.00	100.00	100.00	100.00
7.10	7.10	7.10	7.10	7.10	7.10

QUAL2K**Stream Water Quality Model****OCF - Kinney Branch (8/2/1996)****Water Column Rates**

Parameter	Value	Units	Symbol
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.3	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	Banks-Herrera		
O2 for carbon oxidation	2.69	gO ₂ /gC	r_{oc}
O2 for NH4 nitrification	4.57	gO ₂ /gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{soef}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0.1	/d	k_{hc}
Temp correction	1.047		θ_{hc}
Oxidation rate	0	/d	k_{des}
Temp correction	1.047		θ_{des}
Fast CBOD:			
Oxidation rate	0.5	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.2	/d	k_{hn}

Temp correction	1.07		θ_{hn}
Settling velocity	0.12	m/d	v_{on}
Ammonium:			
Nitrification	7	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.1	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.2	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.1	m/d	v_{op}
Inorganic P:			
Settling velocity	0.001	m/d	v_{ip}
Inorganic P sorption coefficient	0	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	0.05	mgO ₂ /L	k_{spi}
Phytoplankton:			
Max Growth rate	2.5	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.2	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.2	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	25	ugN/L	k_{sPp}
External Phosphorus half sat constant	5	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0.5	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	50	mgA/m ² /d or /d	C_{gb}

Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m ²	$a_{b,max}$
Respiration rate	0.1	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.05	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.5	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.1	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	P_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}

Settling velocity	0	m/d	v_{dt}
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QUAL2K
Stream Water Quality Model
OCF - Kinney Branch (8/2/1996)
Point Source Data:

values from FR:

Name	Tributary No.	Headwater Label	Location km	Point	
				Abstraction m3/s	Inflow m3/s
Freeburg STP	0	Mainstem headwater	5.87		0.0071

QUAL2K FORTRAN**Stream Water Quality Model****Steve Chapra, Hua Tao and Greg Pelletier****Version 2.11b8**

System ID:		
River name	OE-02	
Saved file name	OE-02_TMDL_4_season.xls	
Directory where file saved	d Settings\bennettbj\My Documents\QUAL2K	
Month	8	
Day	27	
Year	2003	
Local time hours to UTC	-5	
Daylight savings time	Yes	
Calculation:		
Calculation step	0.1	hours
Final time	30	day
Solution method (integration)	Euler	
Solution method (pH)	Brent	
Time zone	Eastern Standard Time	
Program determined calc step	0.093750	hours
Time of last calculation	0.05	minutes
Time of sunrise	7:17 AM	
Time of solar noon	1:54 PM	
Time of sunset	8:30 PM	
Photoperiod	13.21	hours

<i>6:00 PM</i>	<i>7:00 PM</i>	<i>8:00 PM</i>	<i>9:00 PM</i>	<i>10:00 PM</i>	<i>11:00 PM</i>
23.00	23.00	23.00	23.00	23.00	23.00
996.00	996.00	996.00	996.00	996.00	996.00
4.00	4.00	4.00	4.00	4.00	4.00
2.50	2.50	2.50	2.50	2.50	2.50
400.00	400.00	400.00	400.00	400.00	400.00
10000.00	10000.00	10000.00	10000.00	10000.00	10000.00
200.00	200.00	200.00	200.00	200.00	200.00
150.00	150.00	150.00	150.00	150.00	150.00
100.00	100.00	100.00	100.00	100.00	100.00
8.00	8.00	8.00	8.00	8.00	8.00

QUAL2K**Stream Water Quality Model****OE-02 (8/27/2003)****Downstream Boundary Data:**

Prescribed downstream boundary?	No						
<i>Downstream Boundary Water Quality (optional)</i>	<i>Units</i>	<i>12:00 AM</i>	<i>1:00 AM</i>	<i>2:00 AM</i>	<i>3:00 AM</i>	<i>4:00 AM</i>	<i>5:00 AM</i>
Temperature	C						
Conductivity	umhos						
Inorganic Solids	mgD/L						
Dissolved Oxygen	mg/L						
CBODslow	mgO2/L						
CBODfast	mgO2/L						
Organic Nitrogen	ugN/L						
NH4-Nitrogen	ugN/L						
NO3-Nitrogen	ugN/L						
Organic Phosphorus	ugP/L						
Inorganic Phosphorus (SRP)	ugP/L						
Phytoplankton	ugA/L						
Internal Nitrogen (INP)	ugN/L						
Internal Phosphorus (IPP)	ugP/L						
Detritus (POM)	mgD/L						
Pathogen	cfu/100 mL						
Alkalinity	mgCaCO3/L						
Constituent i							
Constituent ii							
Constituent iii							
pH	s.u.						

QUAL2K**Stream Water Quality Model****OE-02 (8/27/2003)****Water Column Rates**

Parameter	Value	Units	Symbol
Stoichiometry:			
Carbon	40	gC	gC
Nitrogen	7.2	gN	gN
Phosphorus	1	gP	gP
Dry weight	100	gD	gD
Chlorophyll	1	gA	gA
Inorganic suspended solids:			
Settling velocity	0.3	m/d	v_i
Oxygen:			
Reaeration model	Internal		
User reaeration coefficient α	3.93		α
User reaeration coefficient β	0.5		β
User reaeration coefficient γ	1.5		γ
Temp correction	1.024		θ_a
Reaeration wind effect	None		
O2 for carbon oxidation	2.69	gO ₂ /gC	r_{oc}
O2 for NH4 nitrification	4.57	gO ₂ /gN	r_{on}
Oxygen inhib model CBOD oxidation	Exponential		
Oxygen inhib parameter CBOD oxidation	0.60	L/mgO2	K_{soef}
Oxygen inhib model nitrification	Exponential		
Oxygen inhib parameter nitrification	0.60	L/mgO2	K_{sona}
Oxygen enhance model denitrification	Exponential		
Oxygen enhance parameter denitrification	0.60	L/mgO2	K_{sodn}
Oxygen inhib model phyto resp	Exponential		
Oxygen inhib parameter phyto resp	0.60	L/mgO2	K_{sop}
Oxygen enhance model bot alg resp	Exponential		
Oxygen enhance parameter bot alg resp	0.60	L/mgO2	K_{sob}
Slow CBOD:			
Hydrolysis rate	0.1	/d	k_{hc}
Temp correction	1.047		θ_{hc}
Oxidation rate	0	/d	k_{des}
Temp correction	1.047		θ_{des}
Fast CBOD:			
Oxidation rate	1.8	/d	k_{dc}
Temp correction	1.047		θ_{dc}
Organic N:			
Hydrolysis	0.2	/d	k_{hn}

Temp correction	1.07		θ_{hn}
Settling velocity	0.12	m/d	v_{on}
Ammonium:			
Nitrification	1	/d	k_{na}
Temp correction	1.07		θ_{na}
Nitrate:			
Denitrification	1	/d	k_{dn}
Temp correction	1.07		θ_{dn}
Sed denitrification transfer coeff	0.1	m/d	v_{di}
Temp correction	1.07		θ_{di}
Organic P:			
Hydrolysis	0.2	/d	k_{hp}
Temp correction	1.07		θ_{hp}
Settling velocity	0.01	m/d	v_{op}
Inorganic P:			
Settling velocity	0.001	m/d	v_{ip}
Inorganic P sorption coefficient	0	L/mgD	K_{dpi}
Sed P oxygen attenuation half sat constant	0.05	mgO ₂ /L	k_{spi}
Phytoplankton:			
Max Growth rate	2.5	/d	k_{gp}
Temp correction	1.07		θ_{gp}
Respiration rate	0.2	/d	k_{rp}
Temp correction	1.07		θ_{rp}
Excretion rate	0	/d	k_{ep}
Temp correction	1.07		θ_{dp}
Death rate	0.2	/d	k_{dp}
Temp correction	1.07		θ_{dp}
External Nitrogen half sat constant	25	ugN/L	k_{sPp}
External Phosphorus half sat constant	5	ugP/L	k_{sNp}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCp}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lp}
Ammonia preference	25	ugN/L	k_{hnxp}
Subsistence quota for nitrogen	0	mgN/mgA	q_{0Np}
Subsistence quota for phosphorus	0	mgP/mgA	q_{0Pp}
Maximum uptake rate for nitrogen	0	mgN/mgA/d	ρ_{mNp}
Maximum uptake rate for phosphorus	0	mgP/mgA/d	ρ_{mPp}
Internal nitrogen half sat constant	0	mgN/mgA	K_{qNp}
Internal phosphorus half sat constant	0	mgP/mgA	K_{qPp}
Settling velocity	0.5	m/d	v_a
Bottom Algae:			
Growth model	Zero-order		
Max Growth rate	10	mgA/m ² /d or /d	C_{gb}

Temp correction	1.07		θ_{gb}
First-order model carrying capacity	1000	mgA/m ²	$a_{b,max}$
Respiration rate	0.1	/d	k_{rb}
Temp correction	1.07		θ_{rb}
Excretion rate	0.05	/d	k_{eb}
Temp correction	1.07		θ_{db}
Death rate	0.1	/d	k_{db}
Temp correction	1.07		θ_{db}
External nitrogen half sat constant	300	ugN/L	k_{sPb}
External phosphorus half sat constant	100	ugP/L	k_{sNb}
Inorganic carbon half sat constant	1.30E-05	moles/L	k_{sCb}
Light model	Half saturation		
Light constant	100	langleys/d	K_{Lb}
Ammonia preference	25	ugN/L	k_{hnxb}
Subsistence quota for nitrogen	0.72	mgN/mgA	q_{0N}
Subsistence quota for phosphorus	0.1	mgP/mgA	q_{0P}
Maximum uptake rate for nitrogen	72	mgN/mgA/d	ρ_{mN}
Maximum uptake rate for phosphorus	5	mgP/mgA/d	ρ_{mP}
Internal nitrogen half sat constant	0.9	mgN/mgA	K_{qN}
Internal phosphorus half sat constant	0.13	mgP/mgA	K_{qP}
Detritus (POM):			
Dissolution rate	0.5	/d	k_{dt}
Temp correction	1.07		θ_{dt}
Fraction of dissolution to fast CBOD	1.00		F_f
Settling velocity	0.1	m/d	v_{dt}
Pathogens:			
Decay rate	0.8	/d	k_{dx}
Temp correction	1.07		θ_{dx}
Settling velocity	1	m/d	v_x
Light efficiency factor	1.00		α_{path}
pH:			
Partial pressure of carbon dioxide	347	ppm	P_{CO2}
Constituent i			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent ii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}
Settling velocity	0	m/d	v_{dt}
Constituent iii			
First-order reaction rate	0	/d	
Temp correction	1		θ_{dx}

Settling velocity	0	m/d	v_{dt}
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Appendix H

Atrazine Load Duration Curve Calculations

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-03	1/18/2005	20731.2	1.8186%	0.26	29.07	1,341.83	No
O-03	2/14/2005	16986.2	3.8696%	0.12	10.99	1,099.43	No
O-03	6/1/2004	14411.5	6.3171%	2.85	221.54	932.79	No
O-03	1/31/2005	13709.3	7.0349%	0.22	16.27	887.34	No
O-03	2/28/2005	13709.3	7.0349%	0.05	3.70	887.34	No
O-03	1/13/2004	12773.0	8.7441%	0.82	56.49	826.74	No
O-03	1/4/2005	11544.2	10.6037%	0.16	9.96	747.20	No
O-03	3/8/2004	11216.5	11.2121%	0.41	24.80	725.99	No
O-03	5/13/2003	10514.3	12.4701%	2.39	135.54	680.54	No
O-03	1/27/2004	9952.5	13.3930%	0.47	25.23	644.18	No
O-03	6/16/2003	9332.2	14.5006%	0.05	2.52	604.03	No
O-03	3/14/2005	8419.4	16.3738%	0.05	2.27	544.95	No
O-03	12/6/2004	7518.2	18.9102%	0.7	28.39	486.62	No
O-03	3/28/2005	7249.1	19.7580%	1.13	44.18	469.20	No
O-03	6/7/2004	6851.2	20.9407%	2.51	92.75	443.44	No
O-03	12/20/2004	6745.8	21.2757%	0.58	21.10	436.63	No
O-03	5/27/2003	5797.9	25.0427%	15.7	490.98	375.27	Yes
O-03	4/5/2004	5587.2	25.9588%	1.84	55.45	361.63	No
O-03	6/21/2004	5364.8	27.3057%	2.5	72.34	347.24	No
O-03	2/24/2004	5154.2	28.9191%	0.32	8.90	333.61	No
O-03	12/1/2003	5095.7	29.3909%	1.08	29.68	329.82	No
O-03	6/15/2004	5095.7	29.3909%	1.45	39.85	329.82	No
O-03	5/19/2003	5025.4	30.1019%	2.11	57.19	325.27	No
O-03	12/15/2003	4955.2	30.7855%	1.11	29.67	320.73	No
O-03	5/5/2003	4849.9	31.6264%	7.19	188.09	313.91	No
O-03	6/23/2003	4206.2	36.7950%	3.35	76.00	272.25	No
O-03	5/17/2004	4089.2	37.7521%	6	132.34	264.67	No
O-03	7/7/2004	3808.3	39.7211%	1.1	22.60	246.49	No
O-03	11/22/2004	3796.6	39.8168%	0.67	13.72	245.74	No
O-03	4/12/2004	3773.2	39.9262%	1.27	25.85	244.22	No
O-03	3/22/2004	3691.3	40.5278%	0.44	8.76	238.92	No
O-03	4/28/2003	3515.7	41.6627%	8.94	169.53	227.56	No
O-03	2/9/2004	3515.7	41.6627%	0.57	10.81	227.56	No
O-03	6/28/2004	3305.1	42.9206%	0.91	16.22	213.92	No
O-03	7/21/2003	3164.6	43.8231%	2.77	47.28	204.83	No
O-03	6/2/2003	3094.4	44.2811%	0.05	0.83	200.29	No
O-03	11/8/2004	3000.8	44.8417%	0.55	8.90	194.23	No
O-03	9/8/2003	2907.2	45.5938%	1.23	19.29	188.17	No
O-03	11/18/2003	2907.2	45.5938%	0.52	8.15	188.17	No
O-03	12/19/2005	2755.0	46.9474%	0.23	3.42	178.32	No
O-03	4/19/2004	2485.8	49.0189%	0.63	8.45	160.90	No
O-03	4/4/2005	2298.6	50.7486%	0.74	9.17	148.78	No
O-03	7/14/2003	2216.7	51.5622%	2.66	31.80	143.47	No
O-03	5/3/2004	2134.7	52.3211%	23.27	267.94	138.17	Yes

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-03	7/19/2004	2134.7	52.3211%	0.88	10.13	138.17	No
O-03	6/30/2003	2111.3	52.6697%	0.12	1.37	136.66	No
O-03	7/12/2004	2076.2	53.0116%	1.22	13.66	134.38	No
O-03	9/7/2004	1807.1	55.7941%	0.72	7.02	116.96	No
O-03	4/26/2004	1631.5	57.7972%	0.67	5.90	105.60	No
O-03	4/11/2005	1514.5	59.3150%	0.34	2.78	98.02	No
O-03	9/26/2005	1268.7	62.2889%	0.13	0.89	82.12	No
O-03	7/26/2004	1221.9	62.7880%	1.28	8.44	79.09	No
O-03	6/9/2003	1210.2	62.9794%	1.2	7.83	78.33	No
O-03	5/24/2004	1114.2	64.5040%	0.05	0.30	72.12	No
O-03	4/21/2003	996.0	66.2952%	0.84	4.51	64.47	No
O-03	8/4/2003	986.7	66.4251%	1.46	7.77	63.86	No
O-03	4/25/2005	919.9	67.6694%	57.98	287.70	59.54	Yes
O-03	7/28/2003	863.8	68.6949%	1.86	8.67	55.91	No
O-03	5/2/2005	846.2	69.0094%	13.32	60.80	54.77	Yes
O-03	4/8/2003	834.5	69.3170%	0.57	2.57	54.01	No
O-03	4/18/2005	797.1	70.0144%	2.29	9.85	51.59	No
O-03	8/9/2004	758.4	70.8142%	0.81	3.31	49.09	No
O-03	7/7/2003	681.2	71.9286%	2.38	8.74	44.09	No
O-03	12/6/2005	636.7	72.7627%	0.05	0.17	41.21	No
O-03	10/21/2003	545.4	74.9846%	1.39	4.09	35.30	No
O-03	7/18/2005	492.8	76.3998%	2.61	6.94	31.90	No
O-03	8/29/2005	486.9	76.5297%	0.62	1.63	31.52	No
O-03	5/16/2005	447.1	77.6714%	15	36.18	28.94	Yes
O-03	4/14/2003	413.2	78.6833%	0.63	1.40	26.74	No
O-03	5/9/2005	407.3	78.8405%	5.97	13.12	26.37	No
O-03	5/11/2004	403.8	78.9294%	16.47	35.87	26.14	Yes
O-03	8/15/2005	396.8	79.1071%	0.44	0.94	25.68	No
O-03	6/20/2005	391.0	79.2575%	4.14	8.73	25.30	No
O-03	11/7/2005	386.3	79.4421%	0.05	0.10	25.00	No
O-03	11/21/2005	381.6	79.5584%	0.05	0.10	24.70	No
O-03	7/5/2005	378.1	79.6677%	1.05	2.14	24.47	No
O-03	7/12/2005	338.3	80.9462%	1.87	3.41	21.90	No
O-03	10/6/2003	337.1	81.0214%	0.9	1.64	21.82	No
O-03	5/23/2005	299.7	82.5050%	7.26	11.73	19.40	No
O-03	9/20/2004	283.3	83.3595%	0.47	0.72	18.34	No
O-03	8/23/2004	262.2	84.8089%	0.57	0.81	16.97	No
O-03	10/18/2004	259.9	85.0140%	0.4	0.56	16.82	No
O-03	8/1/2005	247.0	86.0258%	1.29	1.72	15.99	No
O-03	7/25/2005	244.7	86.1557%	0.66	0.87	15.84	No
O-03	6/13/2005	234.1	86.9283%	2.6	3.28	15.15	No
O-03	5/31/2005	229.5	87.2770%	9.93	12.29	14.85	No
O-03	6/27/2005	225.9	87.6872%	2.71	3.30	14.62	No
O-03	8/18/2003	223.6	87.8649%	1.41	1.70	14.47	No

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-03	9/22/2003	218.9	88.0905%	1.52	1.79	14.17	No
O-03	6/6/2005	213.1	88.4802%	3.5	4.02	13.79	No
O-03	11/3/2003	199.0	89.4579%	1.15	1.23	12.88	No
O-03	10/11/2005	181.5	90.6679%	0.17	0.17	11.75	No
O-03	10/24/2005	161.6	92.5138%	0.13	0.11	10.46	No
O-03	9/12/2005	154.6	93.4163%	0.39	0.33	10.00	No
O-03	10/4/2004	145.2	94.5033%	0.36	0.28	9.40	No
O-30	1/18/2005	23877.9	1.8186%	0.16	20.61	1,545.50	No
O-30	2/14/2005	19699.3	3.8696%	0.14	14.88	1,275.04	No
O-30	1/12/2004	17218.3	5.9753%	0.72	66.87	1,114.46	No
O-30	6/1/2004	16826.5	6.3171%	0.2	18.15	1,089.10	No
O-30	1/31/2005	16043.0	7.0349%	0.43	37.21	1,038.39	No
O-30	2/28/2005	16043.0	7.0349%	0.05	4.33	1,038.39	No
O-30	3/8/2004	13261.7	11.2121%	0.26	18.60	858.37	No
O-30	1/26/2004	12425.9	12.6137%	0.54	36.19	804.27	No
O-30	3/14/2005	10140.8	16.3738%	0.07	3.83	656.37	No
O-30	1/3/2005	10114.7	16.4354%	0.42	22.91	654.68	No
O-30	12/6/2004	9135.3	18.9102%	0.62	30.55	591.29	No
O-30	3/28/2005	8835.0	19.7580%	0.62	29.55	571.85	No
O-30	6/7/2004	8391.0	20.9407%	1.11	50.24	543.11	No
O-30	12/20/2004	8273.5	21.2757%	0.69	30.79	535.50	No
O-30	4/5/2004	6980.7	25.9588%	0.9	33.89	451.83	No
O-30	2/24/2004	6497.6	28.9191%	0.2	7.01	420.56	No
O-30	6/14/2004	6484.5	29.0148%	1.68	58.76	419.71	No
O-30	6/22/2004	6027.5	32.5220%	2.73	88.75	390.13	No
O-30	5/17/2004	5309.3	37.7521%	2.73	78.18	343.65	No
O-30	4/12/2004	4956.7	39.9262%	0.93	24.86	320.83	No
O-30	11/24/2004	4956.7	39.9262%	0.3	8.02	320.83	No
O-30	3/22/2004	4865.3	40.5278%	0.31	8.14	314.91	No
O-30	2/9/2004	4669.5	41.6627%	0.48	12.09	302.23	No
O-30	7/6/2004	4473.6	42.6745%	3.68	88.80	289.55	No
O-30	6/28/2004	4434.4	42.9206%	1.14	27.27	287.02	No
O-30	11/8/2004	4094.9	44.8417%	0.47	10.38	265.04	No
O-30	12/19/2005	3820.7	46.9474%	0.14	2.89	247.30	No
O-30	4/19/2004	3520.4	49.0189%	0.88	16.71	227.86	No
O-30	4/4/2005	3311.4	50.7486%	0.97	17.33	214.33	No
O-30	5/3/2004	3128.6	52.3211%	24.05	405.84	202.50	Yes
O-30	7/19/2004	3128.6	52.3211%	1.07	18.06	202.50	No
O-30	7/12/2004	3063.3	53.0116%	1.79	29.58	198.27	No
O-30	9/7/2004	2763.0	55.7941%	0.88	13.11	178.84	No
O-30	4/26/2004	2567.1	57.7972%	0.98	13.57	166.16	No
O-30	4/11/2005	2436.5	59.3150%	0.34	4.47	157.71	No
O-30	9/26/2005	2162.3	62.2889%	0.17	1.98	139.96	No
O-30	7/26/2004	2110.1	62.7880%	0.97	11.04	136.58	No

Station	Date	Flow (cfs)	Flow Exceedance %	Total Mn (µg/L)	Actual Load (lb/day)	Allowable Load (lb/day)	Exceedence
O-30	5/24/2004	1989.9	64.5040%	9.75	104.65	128.80	No
O-30	4/25/2005	1773.2	67.6694%	17.03	162.88	114.77	Yes
O-30	5/2/2005	1690.9	69.0094%	29.37	267.87	109.45	Yes
O-30	4/18/2005	1636.1	70.0144%	4.37	38.56	105.90	No
O-30	8/9/2004	1593.0	70.8142%	0.98	8.42	103.11	No
O-30	12/6/2005	1457.2	72.7627%	0.05	0.39	94.32	No
O-30	7/18/2005	1296.6	76.3998%	4.73	33.08	83.92	No
O-30	8/29/2005	1290.0	76.5297%	0.38	2.64	83.50	No
O-30	5/16/2005	1245.6	77.6714%	12.68	85.19	80.62	Yes
O-30	5/10/2004	1237.8	77.7945%	31.25	208.64	80.12	Yes
O-30	5/9/2005	1201.2	78.8405%	6.33	41.01	77.75	No
O-30	8/15/2005	1189.5	79.1071%	0.73	4.68	76.99	No
O-30	6/20/2005	1183.0	79.2575%	2.27	14.48	76.57	No
O-30	11/7/2005	1177.7	79.4421%	0.05	0.32	76.23	No
O-30	11/21/2005	1172.5	79.5584%	0.05	0.32	75.89	No
O-30	7/6/2005	1124.2	80.9462%	0.12	0.73	72.76	No
O-30	5/23/2005	1081.1	82.5050%	6.02	35.10	69.97	No
O-30	7/11/2005	1070.7	83.0519%	2.7	15.59	69.30	No
O-30	8/23/2004	1039.3	84.8089%	0.92	5.16	67.27	No
O-30	10/18/2004	1036.7	85.0140%	0.96	5.37	67.10	No
O-30	8/1/2005	1022.3	86.0258%	1.38	7.61	66.17	No
O-30	7/25/2005	1019.7	86.1557%	1.57	8.64	66.00	No
O-30	6/13/2005	1008.0	86.9283%	1.94	10.55	65.24	No
O-30	5/31/2005	1002.8	87.2770%	5.43	29.37	64.90	No
O-30	6/27/2005	998.8	87.6872%	2.3	12.39	64.65	No
O-30	9/21/2004	988.4	88.2136%	0.61	3.25	63.97	No
O-30	6/6/2005	984.5	88.4802%	0.14	0.74	63.72	No
O-30	10/25/2005	961.0	89.9296%	0.05	0.26	62.20	No
O-30	10/11/2005	949.2	90.6679%	0.05	0.26	61.44	No
O-30	9/12/2005	919.2	93.4163%	0.5	2.48	59.49	No
O-30	10/4/2004	908.7	94.5033%	0.45	2.21	58.82	No

Appendix I

BATHTUB Model Files

Land Cover Category	Area (Acres)	Percentage
Corn	52.647656	10.60%
Deep Marsh	1.576943	0.32%
Floodplain Forest	61.543332	12.39%
High Density	4.018345	0.81%
Low/Medium Density	5.751324	1.16%
Other Agriculture	7.293744	1.47%
Other Small Grains & Hay	11.462185	2.31%
Partial Canopy/Savannah Upland	9.658755	1.94%
Rural Grassland	50.712317	10.21%
Seasonally/Temporarily Flooded	20.321004	4.09%
Shallow Marsh/Wet Meadow	0.444788	0.09%
Soybeans	148.776857	29.95%
Surface Water	27.672588	5.57%
Upland	10.168549	2.05%
Winter Wheat	39.587381	7.97%
Winter Wheat/Soybeans	45.168704	9.09%
	496.80	100.00%

Note: Calculated from GIS

Title: Coulterville Reservoir
 Notes:

	Historic Data	Units	Model Input	Model units
Averaging Period:	NA			1 yr
Precipitation		38.3 inches	0.97282	meters
Evaporation		30.53 inches	0.77546	meters
Increase in Storage	NA	NA		meters
Atmospheric Loads	NA	NS		
Conversions:	inches to meters			
		0.0254		

Note: Data extracted from Stage 1 report

Total Lake Segments 3 CONVERSIONS

Segment Name: Segment 1: ROV-3
Outflow Segment: Segment 2: ROV-2

	Historic Data	Units	Model Input
MORPHOMETRY			
Surface Area	0.035	km	0.035
Mean Depth	8.7	ft	2.65
Length	0.4505	km	0.4505
Mixed Layer Depth	0	ft	0.00
Hypolimnetic Depth	0	ft	0.00
OBSERVED WQ			
Non-Algal Turbidity			1
Total Phosphorus	0.2416	mg/L	241.58
Internal Load	NA	NA	

Segment Name: Segment 2: ROV-2
Outflow Segment: Segment 3: ROV-1

	Historic Data	Units	Model Input
MORPHOMETRY			
Surface Area	0.058	km2	0.058
Mean Depth	13.3	ft	4.05
Length	0.5156	km	0.5156
Mixed Layer Depth	0	ft	0.00
Hypolimnetic Depth	0	ft	0.00
OBSERVED WQ			
Non-Algal Turbidity			1
Total Phosphorus	0.1725	mg/L	172.50
Internal Load	NA	NA	

Segment Name: Segment 3: ROV-1
Outflow Segment: Out of Reservoir

	Historic Data	Units	Model Input
MORPHOMETRY			
Surface Area	0.063	km2	0.063
Mean Depth	21.6	ft	6.58
Length	0.2936	km	0.2936
Mixed Layer Depth	0	ft	0.00
Hypolimnetic Depth	0	ft	0.00
OBSERVED WQ			
Non-Algal Turbidity			1
Total Phosphorus	0.2162	mg/L	216.2
Internal Load	NA	NA	
Segment 1:	ROV-3		
Segment 2:	ROV-2		
Segment 3:	ROV-1		

SectionID	Acres	SqKm
ROV-1	15.543	0.063
ROV-2	14.321	0.058
ROV-3	8.600	0.035
	38.464	

Table 7-2 Coulterville Reservoir Segment Data

Segment	Surface Area (km ²)	Segment Length (km)	Average Depth (ft)
ROV-1	0.063	0.29	6.6
ROV-2	0.058	0.52	4.1
ROV-3	0.035	0.45	2.7

**Data may need to be generated from Unit Area Loads sheet if no trib concentration data are available
Flow data may need to be calculated if no gage data exists - use surrogate gage tab**

Number of Tributaries **3**
 Total area of the watershed = **491.3** acres
 Total annual estimated flow in the watershed = **0.6304793** mil m³/yr

Tributary Name: **Overland Flow -3**
 Segment: **Segment 1: ROV-3**
 Tributary Type:

	Historic Data	Units	Model Input	Model units	Notes
Total Watershed Area	161.4	acres	0.653	km ²	
Flow Rate	0.23201594	cfs	0.2071903	million meters ³ /yr	
TP Conc		mg/L		230.98 ug/L	

Tributary Name: **Overland Flow -2**
 Segment: **Segment 2: ROV-2**
 Tributary Type:

	Historic Data	Units	Model Input	Model units	Notes
Total Watershed Area	271.2	acres	1.097	km ²	
Flow Rate	0.389715498	cfs	0.348016	million meters ³ /yr	
TP Conc		mg/L		230.98 ug/L	

Tributary Name: **Overland Flow -1**
 Segment: **Segment 3: ROV-1**
 Tributary Type:

	Historic Data	Units	Model Input	Model units	Notes
Total Watershed Area	58.7	acres	0.237	km ²	
Flow Rate	0.084292299	cfs	0.075273	million meters ³ /yr	
TP Conc		mg/L		230.98 ug/L	

Lake	SectionID	Acres	SqKm	million meters ³ /yr	
Coulterville Shed	ROV-3	161.445	0.653346	0.207190255	33%
Coulterville Shed	ROV-2	271.178	1.09742	0.348015974	55%
Coulterville Shed	ROV-1	58.6536	0.237364	0.07527303	12%
TOTAL		491.3	2.0	0.630479258	

Unit Conversions:

1 acre= 0.004046856 square kilometer
1cfs = 0.893000087 mil m³/yr



Client: Illinois EPA
 Project: TMDL Coulterville Watershed
 Calculations: Total Phosphorus Loads

Job No. 1681-70711
 Dated Checked:
 Checked By:

Computed By: Brian Bennett
 Date:
 Page No.

4/13/2009

References:

- "Illinois EPA Total Maximum Daily Load Middle Fork Saline Watersheds" prepared by CDM dated 2008
- USEPA PLOAD Version 3.0 User's Manual dated January 2001
- USGS Fact Sheet FS-195-97: "Unit-Area Loads of Suspended Sediment, Suspended Solid, And Total Phosphorus From Small Watersheds in Wisconsin" prepared by Corsi, Graczik, Owens, and Bannerman

Methodology:

Harrisburg Reservoir Watershed is predominantly rural grassland.
 Therefore, the export coefficient method described on Page 3 of Reference 2 is used to calculate median total phosphorus loads.
 The minimum and maximum phosphorus loads are calculated using the procedure described in "Estimating Loads" section of Reference 3.

1. Calculate Median Total Phosphorus Load

Assumptions:

Export coefficients per land use (lb/ac/yr) are given in Appendix IV of Reference 2. The export coefficients for the Wisconsin area located in Appendix IV are most appropriate for the Harrisburg Reservoir watershed due to similar climate characteristics. The land use distribution for Harrisburg Reservoir watershed is given on page 5-7 of Reference 1. Export coefficients were assumed for the Harrisburg Reservoir Land Use categories that are not listed in the Wisconsin categories. Assumed values are indicated with bold and italics.

Saganashkee Slough Lake Watershed Information		Total Phosphorus Export Coefficients		Phosphorus Loads						
Land Use	Area acres	High* lb/ac/yr	Low* lb/ac/yr	High lb/yr	Low lb/yr	Source Categories				
Barren & Exposed Land	0.0	0.16	0.16	0.0	0.0					
Coniferous	0.0	0.13	0.08	0.0	0.0					
Corn	52.6	0.92	0.92	48.4	48.4	open lands	0.0			
Deep Marsh	1.6	0.22	0.08	0.3	0.1	woodland (FL) - forest				
Floodplain Forest	61.5	0.13	0.08	8.0	4.9	95% ag	48.4	TRUE	Corn	52.647656
High Density	4.0	2.95	1	8.2	4.0	woodland (FL) - forest	0.2	TRUE	Deep Marsh	1.576943
Low/Medium Density	5.8	0.52	0.04	3.0	0.2	woodland (FL) - forest	6.5	TRUE	Floodplain Forest	61.543332
Other Agriculture	7.3	0.92	0.92	6.7	6.7	Commercial (FL) - High Density	6.1	TRUE	High Density	4.018345
Other Small Grains & Hay	11.5	0.92	0.92	10.5	10.5	Medium - Low density	1.6	TRUE	Low/Medium Density	5.751324
Partial Canopy/Savannah Upland	9.7	0.13	0.08	1.3	0.8	95% ag	6.7	TRUE	Other Agriculture	7.293744
Rural Grassland	50.7	0.5	0.16	25.4	8.1	woodland (FL) - forest	10.5	TRUE	Other Small Grains & Hay	11.462185
Seasonally/Temporarily Flood	20.3	0.22	0.08	4.5	1.6	50% ag - open lands (FL)	1.0	TRUE	Partial Canopy/Savannah Upland	9.658755
Shallow Marsh/Wet Meadow	0.4	0.22	0.08	0.1	0.0	wetland (FL) - forest	16.7	TRUE	Rural Grassland	50.712317
Shallow Water	0.0	0.22	0.08	0.0	0.0	wetland (FL) - forest	3.0	FALSE	Seasonally/Temporarily Flooded	20.321004
Soybeans	148.8	0.92	0.92	136.9	136.9	wetland (FL) - forest	0.1	TRUE	Shallow Marsh/Wet Meadow	0.444788
Surface Water	27.7	0.22	0.08	6.1	2.2	wetland (FL) - forest	0.0	FALSE	Soybeans	148.776857
Swamp	0.0	0.22	0.08	0.0	0.0	95% ag	136.9	TRUE	Surface Water	27.672588
Upland	10.2	0.13	0.08	1.3	0.8	wetland (FL) - forest	4.2	TRUE		
Urban Open Space	0.0	0.16	0.03	0.0	0.0	wetland (FL) - forest		FALSE		
Winter Wheat	39.6	0.92	0.92	36.4	36.4	woodland (FL) - forest	1.1	TRUE	Upland	10.168549
Winter Wheat/Soybeans	45.2	0.92	0.92	41.6	41.6	open lands (FL) - parks	0.0	FALSE		
						95% ag	36.4	TRUE	Winter Wheat	39.587381
						95% ag	41.6	TRUE	Winter Wheat/Soybeans	45.168704
TOTAL	496.8			339	303		321.1	TRUE	Total	496.80

*Export coefficient values listed in Appendix IV are MEDIAN values. The ranges for each land use are assumed.

Bold: No category for this land use in Wisconsin unit area loads. Use Florida unit area loads

Bold Italic: No category for this land use in Appendix IV. Use forest land use value.

Results:

The export coefficient values listed in Appendix IV of Reference 2 are median values. Therefore, the range calculated with this method is a range for the median, rather than a range between the minimum and maximum loads. The results show that the Harrisburg Reservoir watershed median Phosphorus load ranges between **304-339 lb/yr**.

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Trib Name	Trib Area (acres)	Percent of Total	Trib Flow (mil m ³ /yr)	Trib load (lbs/yr)	Trib Concentration(ug/L)
Direct Flow 3 (ROV-3)	161.445	33%	0.207190255	105.5082447	230.98
Direct Flow 2 (ROV-2)	271.178	55%	0.348015974	177.2214318	230.98
Direct Flow 1 (ROV-1)	58.654	12%	0.07527303	38.33155497	230.98
	491.277	100%	0.630479258	321.0612315	692.9534385

Unit Conversions:

1 cu m = 1000 liters
 1 pound = 453.59237 grams or 10⁶ ug
 (1 lb/yr) / (1 mil m³/yr) = 0.45359237 ug/L

0.879619812 lbs/day

Median phosphorous load in the watershed = 321.0612315 lb/yr
 Total average annual estimated flow in the watershed = 0.630479258 mil m³/yr

Internal Loads	mg/m ² -day
Segment 1	17.85
Segment 2	11.22
Segment 3	36.2

Loadings	Observed	Predicted	Observed	Predicted
Segment 1: ROV-3	241.6	241.7	0.242	0.242
Segment 2 : ROV-2	172.5	172.5	0.173	0.172
Segment 3: ROV-1	216.2	216.2	0.216	0.216
Area-Wtd Mean	205.7	205.7	0.206	0.206

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Overall Water & Nutrient Balances

Overall Water Balance

Averaging Period = 1.00 years

Trb	Type	Seg	Name	Area	Flow	Variance	CV runoff	
				km ²	hm ³ /yr	(hm3/yr) ²	-	m/yr
1	1	1	Trib 1: ROV-3	0.7	0.2	0.00E+00	0.00	0.32
2	1	2	Trib 2: ROV-2	1.1	0.3	0.00E+00	0.00	0.32
3	1	1	Trib 3: ROV-1	0.2	0.1	0.00E+00	0.00	0.32
PRECIPITATION				0.2	0.2	0.00E+00	0.00	0.97
TRIBUTARY INFLOW				2.0	0.6	0.00E+00	0.00	0.32
***TOTAL INFLOW				2.1	0.8	0.00E+00	0.00	0.37
ADVECTIVE OUTFLOW				2.1	0.7	0.00E+00	0.00	0.31
***TOTAL OUTFLOW				2.1	0.7	0.00E+00	0.00	0.31
***EVAPORATION					0.1	0.00E+00	0.00	

Overall Mass Balance Based Upon

Predicted

Outflow & Reservoir Concentrations

Component:

TOTAL P

Trb	Type	Seg	Name	Load	Load Variance		Conc	Export	
				kg/yr	%Total	(kg/yr) ²	%Total	CV	mg/m ³
1	1	1	Trib 1: ROV-3	47.9	3.3%	0.00E+00	0.00	231.0	73.3
2	1	2	Trib 2: ROV-2	80.4	5.5%	0.00E+00	0.00	231.0	73.3

3	1	1	Trib 3: ROV-1	17.4	1.2%	0.00E+00	0.00	231.0	73.4	
PRECIPITATION				4.7	0.3%	5.48E+00	99.9%	0.50	30.8	30.0
INTERNAL LOAD				1298.9	89.6%	0.00E+00	0.00			
TRIBUTARY INFLOW				145.6	10.0%	0.00E+00	0.00	231.0	73.3	
***TOTAL INFLOW				1449.2	100.0%	5.48E+00	100.0%	0.00	1852.6	676.2
ADVECTIVE OUTFLOW				143.0	9.9%	9.40E+02	0.21	216.2	66.7	
***TOTAL OUTFLOW				143.0	9.9%	9.40E+02	0.21	216.2	66.7	
***RETENTION				1306.2	90.1%	9.45E+02	0.02			
			Overflow Rate (m/yr)	4.2		Nutrient Resid. Time (yrs)	0.1053			
			Hydraulic Resid. Time (yrs)	1.1224		Turnover Ratio	9.5			
			Reservoir Conc (mg/m3)	206		Retention Coef.	0.901			

Current Load	kg/day	lbs/day	Current % of total
Total	3.97	8.75	100%
Internal	3.56	7.85	90%
External	0.41	0.91	10%

Table 7-4 Summary of Model Confirmatory Analysis- Coulterville Reservoir Total Phosphorus (mg/L)

Lake Site	Observed	Predicted	Internal Loading Rate (mg/m2-day)
Segment 1 : ROV-3	0.242	0.242	17.9
Segment 2 : ROV-2	0.173	0.172	11.2
Segment 3 : ROV-1	0.216	0.216	36.2
Lake Average	0.206	0.206	21.8

		Percent Reduction						
Tributary Concentrations		95	85	86	87	88.00	89	90
230.98		11.54922438	34.6477	32.3378	30.02798	27.72	25.4082936	23.0984488
Internal Loading								
17.85		0.8925	2.6775	2.499	2.3205	2.14	1.9635	1.785
11.22		0.561	1.683	1.5708	1.4586	1.35	1.2342	1.122
36.2		1.81	5.43	5.068	4.706	4.34	3.982	3.62

Change Segment Concentrations to 50

Overall Mass Balance Based Upon Component:

Trb	Type	Seg	Name	Predicted		Load Variance		CV	Conc	Export
				TOTAL P	Load	%Total	(kg/yr) ²			
1	1	1	Trib 1: RO	8.3	8.4%	0.00E+00		0.00	40.0	12.7
2	1	2	Trib 2: RO	17.4	17.6%	0.00E+00		0.00	50.0	15.9
3	1	3	Trib 3: RO	3.0	3.1%	0.00E+00		0.00	40.0	12.7
PRECIPITATION				4.7	4.7%	5.48E+00	100.0%	0.50	30.8	30.0
INTERNAL LOAD				65.3	66.2%	0.00E+00		0.00		
TRIBUTARY INFLOW				28.7	29.1%	0.00E+00		0.00	45.5	14.4
***TOTAL INFLOW				98.7	100.0%	5.48E+00	100.0%	0.02	126.1	46.0
ADVECTIVE OUTFLOW				30.7	31.1%	3.63E+01		0.20	46.4	14.3
***TOTAL OUTFLOW				30.7	31.1%	3.63E+01		0.20	46.4	14.3
***RETENTION				68.0	68.9%	3.99E+01		0.09		

Overflow Rate (m/yr)	4.2	Nutrient Resid. Time (yrs)	0.3569
Hydraulic Resid. Time (yrs)	1.1224	Turnover Ratio	2.8
Reservoir Conc (mg/m3)	47	Retention Coef.	0.689

kg/day
0.17887243
0.091448766
0.270321195

	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (lbs/day)	Reduction Needed (Percent)
Internal	0.39	0	0.35	0.039	7.85	7.49	95%
External	0.20	0	0.18	0.020	0.91	0.73	80%
Total	0.60	0	0.54	0.060	8.75	8.22	94%

Type	Acres	Percent
Coniferous	2.16	0.2%
Corn	67.32	7.3%
Deep Marsh	1.70	0.2%
Floodplain Forest	55.74	6.1%
High Density	14.42	1.6%
Low/Medium Density	87.04	9.5%
Other Agriculture	0.44	0.0%
Other Small Grains & Hay	1.81	0.2%
Partial Canopy/Savannah Upland	5.92	0.6%
Rural Grassland	3.24	0.4%
Shallow Water	1.11	0.1%
Soybeans	176.09	19.2%
Surface Water	54.57	5.9%
Swamp	9.28	1.0%
Upland	26.86	2.9%
Urban Open Space	330.94	36.1%
Winter Wheat	39.68	4.3%
Winter Wheat/Soybeans	39.31	4.3%
Total	917.63	100.0%

Note: Calculated from GIS

Title: Sparta NW Reservoir
 Notes:

	Historic Data	Units	Model Input	Model units
Averaging Period:	NA			1 yr
Precipitation		38.3 inches		0.97282 meters
Evaporation		31.96 inches		0.81178 meters
Increase in Storage	NA	NA		meters
Atmospheric Loads	NA	NS		
Conversions:	inches to meters			
		0.0254		

Note: Data extracted from Stage 1 report

Total Lake Segments 3 CONVERSIONS ft to m
0.3048

Segment Name: Segment 1: SOC-3
Outflow Segment: Segment 2: SOC-1

	Historic Data	Units	Model Input	Model units
MORPHOMETRY				
Surface Area	0.059	km	0.059	km ²
Mean Depth	15.8	ft	4.82	meters
Length	1.0630	km	1.0630	km
Mixed Layer Depth	0	ft	0.00	m
Hypolimnetic Depth	0	ft	0.00	m
OBSERVED WQ				
Non-Algal Turbidity			1	1/m
Total Phosphorus	0.077	mg/L	77.00	ug/L or ppb
Internal Load	NA	NA		mg/m ² -day

Segment Name: Segment 2: SOC-2
Outflow Segment: Segment 3: SOC-1

	Historic Data	Units	Model Input	Model units
MORPHOMETRY				
Surface Area	0.033	km ²	0.033	km ²
Mean Depth	23.6	ft	7.19	meters
Length	0.5170	km	0.5170	km
Mixed Layer Depth	0	ft	0.00	m
Hypolimnetic Depth	0	ft	0.00	m
OBSERVED WQ				
Non-Algal Turbidity			1	1/m
Total Phosphorus	0.066	mg/L	66.00	ug/L or ppb
Internal Load	NA	NA		mg/m ² -day

Segment Name: Segment 3: SOC-1
Outflow Segment: Out of Reservoir

	Historic Data	Units	Model Input	Model units
MORPHOMETRY				
Surface Area	0.048	km2	0.048	km2
Mean Depth	46.0	ft	14.02	m
Length	0.614	km	0.614	km
Mixed Layer Depth	0	ft	0.00	m
Hypolimnetic Depth	0	ft	0.00	m
OBSERVED WQ				
Non-Algal Turbidity				1 1/m
Total Phosphorus	0.0708	mg/L	70.8	ug/L or ppb
Internal Load	NA	NA		mg/m2-day
Segment 1:	RHH-3			
Segment 2:	RHH-2			
Segment 3:	RHH-1			

SectionID	Acres	SqKm	length_M
SOC-3	14.7	0.059	1063
SOC-2	8.2	0.033	517
SOC-1	11.9	0.048	614

34.778

From GIS - Lake Shape created from
 2005 NAIP Aerial

**Data may need to be generated from Unit Area Loads sheet if no trib concentration data
Flow data may need to be calculated if no gage data exists - use surrogate gage tab**

Number of Tributaries **3**
 Total area of the watershed = **917.6** acres
 Total annual estimated flow in the watershed = **1.1776312** mil m³/yr

Tributary Name: **Overland Flow -3**
 Segment: **Segment 1: SOC-3**
 Tributary Type:

	Historic Data	Units	Model Input	Model units
Total Watershed Area	300.6	acres	1.216	km ²
Flow Rate	0.431958626	cfs	0.3857391	million meters ³ /yr
TP Conc		mg/L		152.94 ug/L

Tributary Name: **Overland Flow -2**
 Segment: **Segment 2: SOC-2**
 Tributary Type:

	Historic Data	Units	Model Input	Model units
Total Watershed Area	383.3	acres	1.551	km ²
Flow Rate	0.550884094	cfs	0.4919395	million meters ³ /yr
TP Conc		mg/L		152.94 ug/L

Tributary Name: **Overland Flow -1**
 Segment: **Segment 3: SOC-1**
 Tributary Type:

	Historic Data	Units	Model Input	Model units
Total Watershed Area	233.7	acres	0.946	km ²
Flow Rate	0.335893078	cfs	0.2999525	million meters ³ /yr
TP Conc		mg/L		152.94 ug/L

Lake	SectionID	Acres	SqKm	million meters ³ /yr
Sparta NW Shed	SOC-3	300.6	1.22	0.385739091
Sparta NW Shed	SOC-2	383.3	1.55	0.491939544
Sparta NW Shed	SOC-1	233.7	0.95	0.299952548
TOTAL		917.6	3.71	1.177631183

Unit Conversions:

1 acre= 0.004046856 square kilometer
1cfs = 0.893000087 mil m³/yr

Harrisburg Reservoir Watershed is predominantly rural grassland.

Therefore, the export coefficient method described on Page 3 of Reference 2 is used to calculate median total phosphorus loads. The minimum and maximum phosphorus loads are calculated using the procedure described in "Estimating Loads" section of Reference 3.

1. Calculate Median Total Phosphorus Load

Assumptions:

Export coefficients per land use (lb/ac/yr) are given in Appendix IV of Reference 2. The export coefficients for the Wisconsin area located in Appendix IV are most appropriate for the Harrisburg Reservoir watershed due to similar climate characteristics. The land use distribution for Harrisburg Reservoir watershed is given on page 5-7 of Reference 1. Export coefficients were assumed for the Harrisburg Reservoir Land Use categories that are not listed in the Wisconsin categories. Assumed values are indicated with bold and italics.

Saganashkee Slough Lake Watershed Information		Total Phosphorus Export Coefficients		Phosphorus Loads	
Land Use	Area acres	High* lb/ac/yr	Low* lb/ac/yr	High lb/yr	Low lb/yr
Barren & Exposed Land	0.0	0.16	0.16	0.0	0.0
<i>Coniferous</i>	2.2	0.13	0.08	0.3	0.2
Corn	67.3	0.92	0.92	61.9	61.9
Deep Marsh	1.7	0.22	0.08	0.4	0.1
Floodplain Forest	55.7	0.13	0.08	7.2	4.5
High Density	14.4	2.05	1	29.6	14.4
Low/Medium Density	87.0	0.52	0.04	45.3	3.5
Other Agriculture	0.4	0.92	0.92	0.4	0.4
Other Small Grains & Hay	1.8	0.92	0.92	1.7	1.7
<i>Partial Canopy/Savannah Upland</i>	5.9	0.13	0.08	0.8	0.5
<i>Rural Grassland</i>	3.2	0.5	0.16	1.6	0.5
Seasonally/Temporarily Flood	0.0	0.22	0.08	0.0	0.0
Shallow Marsh/Wet Meadow	0.0	0.22	0.08	0.0	0.0
Shallow Water	1.1	0.22	0.08	0.2	0.1
Soybeans	176.1	0.92	0.92	162.0	162.0
Surface Water	54.6	0.22	0.08	12.0	4.4
<i>Swamp</i>	9.3	0.22	0.08	2.0	0.7
Upland	26.9	0.13	0.08	3.5	2.1
Urban Open Space	330.9	0.16	0.03	53.0	9.9
Winter Wheat	39.7	0.92	0.92	36.5	36.5
Winter Wheat/Soybeans	39.3	0.92	0.92	36.2	36.2
TOTAL	917.6			455	340

*Export coefficient values listed in Appendix IV are MEDIAN values. The ranges for each land use are assumed.

Bold: No category for this land use in Wisconsin unit area loads. Use Florida unit area loads

Bold Italic: No category for this land use in Appendix IV. Use forest land use value.

Results:

The export coefficient values listed in Appendix IV of Reference 2 are median values. Therefore, the range calculated with this method is a range for the median, rather than a range between the minimum and maximum loads. The results show that the Harrisburg Reservoir watershed median Phosphorus load ranges between **340-455 lb/yr.**

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Trib Name	Trib Area (acres)	Percent of Total	Trib Flow (mil m ³ /yr)	Trib load (lbs/yr)	Trib Concentration (ug/L)
Direct Flow 3 (SOC-3)	300.6	33%	0.38573909	130.06064	152.94
Direct Flow 2 (SOC-2)	383.3	42%	0.49193954	165.86851	152.94
Direct Flow 1 (SOC-1)	233.7	25%	0.29995255	101.13577	152.94
	917.624	100%	1.17763118	397.06492	152.94

Unit Conversions:

1 cu m = 1000 liters
1 pound = 453.59237 grams or 10⁶ ug
(1 lb/yr) / (1 mil m³/yr) = 0.4535924 ug/L

1.0878491 lbs/day

Median phosphorous load in the watershed = 397.067672 lb/yr
Total average annual estimated flow in the watershed 1.17763118 mil m³/yr

Calibration Factors	TP
Segment 1	0.47
Segment 2	0.63
Segment 3	0.013

Loadings	Observed	Predicted	Observed	Predicted
Segname 1: SOC-3	77.0	77.1	0.077	0.077
Segname 2: SOC-2	66.0	66.0	0.066	0.066
Segname 3: SOC-1	70.8	70.8	0.071	0.071
Area-Wtd Mean	72.3	72.3	0.072	0.072

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Overall Water & Nutrient Balances

Overall Water Balance

Averaging Period = 1.00 years

<u>Trb</u>	<u>Type</u>	<u>Seg</u>	<u>Name</u>	<u>Area</u> <u>km²</u>	<u>Flow</u> <u>hm³/yr</u>	<u>Variance</u> <u>(hm3/yr)²</u>	<u>CV</u> <u>runoff</u> <u>-</u>	<u>m/yr</u>
1	1	1	Trib 1: SOC-3	1.2	0.4	0.00E+00	0.00	0.32
2	1	2	Trib 2: SOC-2	1.6	0.5	0.00E+00	0.00	0.32
3	1	1	Trib 3: SOC-1	0.9	0.3	0.00E+00	0.00	0.32
PRECIPITATION				0.1	0.1	0.00E+00	0.00	0.97
TRIBUTARY INFLOW				3.7	1.2	0.00E+00	0.00	0.32
***TOTAL INFLOW				3.9	1.3	0.00E+00	0.00	0.34
ADVECTIVE OUTFLOW				3.9	1.2	0.00E+00	0.00	0.31
***TOTAL OUTFLOW				3.9	1.2	0.00E+00	0.00	0.31
***EVAPORATION					0.1	0.00E+00	0.00	

Overall Mass Balance Based Upon Component:

<u>Trb</u>	<u>Type</u>	<u>Seg</u>	<u>Name</u>	Predicted		Outflow & Reservoir Concentrations				
				<u>Load</u> <u>kg/yr</u>	<u>%Total</u>	Load Variance		<u>Conc</u>	<u>Export</u>	
				<u>kg/yr</u>	<u>%Total</u>	<u>(kg/yr)²</u>	<u>%Total</u>	<u>CV</u>	<u>mg/m³</u>	<u>kg/km²/yr</u>

1	1	1	Trib 1:SOC-3	59.0	32.0%	0.00E+00	0.00	152.9	48.5
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2	1	2	Trib 2: SOC-2	75.2	40.8%	0.00E+00	0.00	152.9	48.5	
3	1	1	Trib 3: SOC-1	45.9	24.9%	0.00E+00	0.00	152.9	48.5	
PRECIPITATION				4.2	2.3%	4.41E+00	100.0%	0.50	30.8	30.0
TRIBUTARY INFLOW				180.1	97.7%	0.00E+00		0.00	152.9	48.5
***TOTAL INFLOW				184.3	100.0%	4.41E+00	100.0%	0.01	140.3	47.8
ADVECTIVE OUTFLOW				85.0	46.1%	1.84E+02		0.16	70.8	22.1
***TOTAL OUTFLOW				85.0	46.1%	1.84E+02		0.16	70.8	22.1
***RETENTION				99.3	53.9%	1.84E+02		0.14		

Overflow Rate (m/yr)	8.6	Nutrient Resid. Time (yrs)	0.4690
Hydraulic Resid. Time (yrs)	0.9954	Turnover Ratio	2.1
Reservoir Conc (mg/m3)	72	Retention Coef.	0.539

Current Load	kg/day	lbs/day	Current % of total
Total	0.50	1.11	100%
Internal	0.00	0.00	0%
External	0.50	1.11	100%

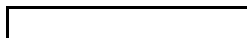
		Percent Reduction						
Tributary Concentrations	152.94	95	85	86	87	88.00	89	90
		7.6469	22.94083484	21.4114	19.8821	18.35	16.8232789	15.2939
Internal Loading	0.47	0.0235	0.0705	0.0658	0.0611	0.06	0.0517	0.047
	0.63	0.0315	0.0945	0.0882	0.0819	0.08	0.0693	0.063
	0.013	0.0007	0.00195	0.00182	0.00169	0.00	0.00143	0.0013

Change Segment Concentrations to 50

Overall Mass Balance Based Upon Component:

Trb	Type	Seg	Name	Predicted		Outflow & Reservoir Concentrations			Conc mg/m ³	Export kg/km ² /yr
				TOTAL P Load kg/yr	%Total	Load Variance (kg/yr) ²	%Total	CV		
1	1	1	Trib 1:SOC-3	28.9	27.1%	#####		0.00	75.0	23.8
2	1	2	Trib 2: SOC-2	47.2	44.2%	#####		0.00	96.0	30.4
3	1	1	Trib 3: SOC-1	26.4	24.7%	#####		0.00	88.0	27.9
PRECIPITATION				4.2	3.9%	#####	100.0%	0.50	30.8	30.0
TRIBUTARY INFLOW				102.5	96.1%	#####		0.00	87.1	27.6
***TOTAL INFLOW				106.7	100.0%	#####	100.0%	0.02	81.3	27.7
ADVECTIVE OUTFLOW				59.2	55.4%	#####		0.14	49.3	15.4
***TOTAL OUTFLOW				59.2	55.4%	#####		0.14	49.3	15.4
***RETENTION				47.6	44.6%	#####		0.17		

Overflow Rate (m/yr)	8.6	Nutrient Resid. Time (yrs)	0.5543
Hydraulic Resid. Time (yrs)	0.9954	Turnover Ratio	1.8
Reservoir Conc (mg/m3)	50	Retention Coef.	0.446



kg/day
0.292461636
0
0.292461636

	LC (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (10% of LC)	Current Load (lbs/day)	Reduction Needed (lbs/day)	Reduction Needed (Percent)
External	0.64	0	0.58	0.064	1.11	0.53	48%
Internal	0.00	0	0.00	0.000	0.00	0.00	0%
Total	0.64	0	0.58	0.064	1.11	0.53	48%

lbs/day	95
1.5239	0.0762

Appendix J

Responsiveness Summary

Responsiveness Summary

This responsiveness summary responds to substantive questions and comments received during the public comment period from July 21, 2011 through August 20, 2011 postmarked, including those from the July 21, 2011 public meeting discussed below.

What is a TMDL?

A Total Maximum Daily Load (TMDL) is the sum of the allowable amount of a pollutant that a water body can receive from all contributing sources and still meet water quality standards or designated uses. The Lower Kaskaskia TMDL report contains a plan detailing the actions necessary to reduce pollutant loads to the impaired water bodies and ensure compliance with applicable water quality standards. The Illinois EPA implements the TMDL program in accordance with Section 303(d) of the federal Clean Water Act and regulations there under.

Background

The Lower Kaskaskia River watershed is located in southern Illinois and drains 915,493 acres. The majority of the watershed is in St. Clair, Madison, Randolph, Washington and Monroe Counties. Small portions of the watershed, less than 5 percent of the total watershed area, are within Clinton, Macoupin, Bond, Perry, and Montgomery Counties. The Clean Water Act and USEPA regulations require that states develop TMDLs for waters on the Section 303(d) List. Illinois EPA is currently developing TMDLs for pollutants that have numeric water quality standards. Kaskaskia River is impaired due to dissolved oxygen, fecal coliform, atrazine and manganese. SLM Side Channel Reservoir is impaired due to atrazine and manganese. Mud Creek and Kinney Branch are impaired due to manganese and dissolved oxygen. Coulterville and Sparta NW Reservoirs are impaired due to phosphorous, atrazine and manganese. Horse Creek and Richland Creek South are impaired due to dissolved oxygen. Therefore, TMDLs were developed for dissolved oxygen, fecal coliform, manganese, atrazine, and total phosphorus.

Public Meetings

Public meetings were held in the Highland City Council Chambers, 1115 Broadway, Highland, Illinois May 13, 2009 and on July 21, 2011. The Illinois EPA provided public notice for both meetings by placing display ads in the Highland News Leader and Sparta News Plain Dealer. This notice gave the date, time, location, and purpose of the meeting. The notice also provided references to obtain additional information about this specific site, the TMDL Program and other related issues. Approximately 85 individuals and organizations were also sent the public notice by first class mail. The draft TMDL

Report was available for review at the Highland City Council Chambers and also on the Agency's web page at <http://www.epa.state.il.us/water/tmdl> .

The public meeting started at 6:00 p.m. on July 21, 2011. There were 21 attendees at the meeting and the meeting concluded at 7:15 p.m. with the meeting record remaining open until midnight, August 20, 2011. There were no public comments.