APPENDIX C

ZONE 1 MONITORING DATA

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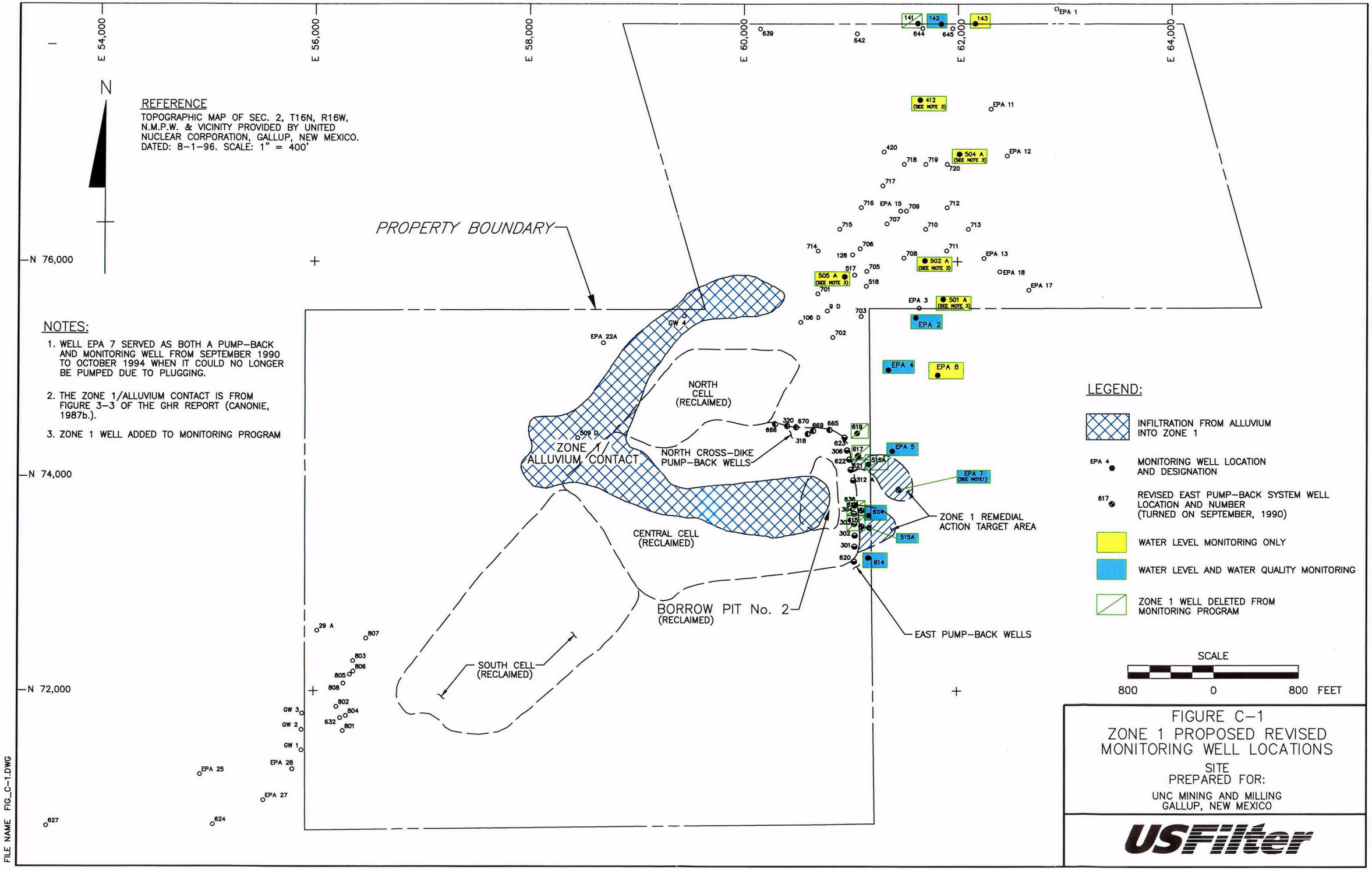
Remedial action in Zone 1 consisted of dewatering Borrow Pit No. 2, which was the source of tailings seepage into Zone 1, plus continued operation of the East and North Cross-Dike Pump-Back Wells. Dewatering of Borrow Pit No. 2 was completed in April 1989. The pump-back wells were operated until September 1990, when they were replaced by the Revised East System, consisting of Wells 615, 616, 617, and EPA 7. The Revised East System operated from 1990 through July 1999, when it was decommissioned with approval from NRC and EPA.

Remedial action has been monitored by measurement of groundwater levels and groundwater sampling and analyses at thirteen Zone 1 monitoring wells (Wells 515A, 516A, 604, 614, 619, EPA 2, EPA 4, EPA 5, EPA 7, EPA 8, 141, 142, and 143). This program was modified beginning in the second quarter of 2000 when the revised monitoring program was implemented. The wells included in the monitoring program for Zone 1 are listed in Table 12 of this *2003 Annual Review Report*. See enclosed Figure C-1 for the current layout of the wells.

Table C.1 presents the quarterly water level and water quality data for the monitoring wells from the second quarter 1989, when the borrow pit was dewatered, through the fourth quarter 2003. Monitoring Well EPA 7 was used as an extraction well from September 1990 until October 1994; consequently, water level data for this well are available only for the time prior to its conversion to an extraction well, during times when the pump was shut off for maintenance, and after October 1994. The 2003 laboratory analytical data for the Zone 1 Monitoring Wells are presented at the end of this appendix.


E 54,000
E 56,000
E 58,000
E 60,000
E 62,000
E 64,000
N 76,000
N 74,000
N 72,000
N
REFERENCE
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W, N.M.P.W. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, NEW MEXICO. DATED: 8-1-96. SCALE: 1" = 400'
PROPERTY BOUNDARY
NOTES:
1. WELL EPA 7 SERVED AS BOTH A PUMP-BACK AND MONITORING WELL FROM SEPTEMBER 1990 TO OCTOBER 1994 WHEN IT COULD NO LONGER BE PUMPED DUE TO PLUGGING.
2. THE ZONE 1/ALLUVIUM CONTACT IS FROM FIGURE 3-3 OF THE GHR REPORT (CANONIE, 1987b.).
3. ZONE 1 WELL ADDED TO MONITORING PROGRAM
NORTH CELL (RECLAIMED)
ZONE 1 / ALLUVIUM CONTACT
NORTH CROSS-DIKE PUMP-BACK WELLS
CENTRAL CELL (RECLAIMED)
BORROW PIT No. 2 (RECLAIMED)
SOUTH CELL (RECLAIMED)
ZONE 1 REMEDIAL ACTION TARGET AREA
EAST PUMP-BACK WELLS
LEGEND:
INFILTRATION FROM ALLUVIUM INTO ZONE 1
MONITORING WELL LOCATION AND DESIGNATION
REVISED EAST PUMP-BACK SYSTEM WELL LOCATION AND NUMBER (TURNED ON SEPTEMBER, 1990)
WATER LEVEL MONITORING ONLY
WATER LEVEL AND WATER QUALITY MONITORING
ZONE 1 WELL DELETED FROM MONITORING PROGRAM
SCALE
800 0 800 FEET
FIGURE C-1
ZONE 1 PROPOSED REVISED MONITORING WELL LOCATIONS
SITE PREPARED FOR:
UNC MINING AND MILLING
GALLUP, NEW MEXICO
USFilter
FILE NAME FIG_C-1.DWG

C40

NOTES FOR TABLE C.1
ZONE 1 DATA SUMMARY, 1989 - 2003

General Notes:

1. NRC standard as listed in License Condition 30, Part B.
2. EPA standard as listed in Table 2, "Contaminant-Specific Groundwater ARARs" of the ROD (EPA, 1988).
3. Standards for TDS, sulfate, and nitrate changed to reflect revised standards recommended in the NRC's 1996 evaluation of background water quality and documented in the January 6, 1998, letter from NMED to EPA.
4. NA - Not applicable.
5. "ND" for combined Ra-226 and Ra-228 indicates that both constitutes were less than the laboratory reporting limits, which are 0.2 and 1.0 pCi/L, respectively.
6. All values that exceed the NRC and/or EPA standards are shaded.
7. Gross alpha value excludes contribution from radon and uranium.
8. "*" (Asterisk) indicates a Point of Compliance well.
9. Reporting limit for bicarbonate changed from 0.0 mg/L to 0.1 mg/L in fourth quarter 1997.
10. Reporting limit for cadmium changed from 0.01 mg/L to 0.005 mg/L after fourth quarter 1997. The analytical method changed from EPA 200.7 (ICP) to 200.8 (ICP.MS).
11. NO_3 (nitrate) is reported by the laboratory as nitrate + nitrite as N.

Specific Notes:

Well TWQ-143 is monitored for water level only beginning in 2nd quarter 2000 in accordance with the Revised Monitoring Program.

Well EPA 8 is monitored for water level only beginning in 2nd quarter 2000 in accordance with the Revised Monitoring Program.

Well 516 A* was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.

Well 619 was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.

Well TWQ-141 was not sampled in 4th quarter 1999.

Well TWQ-141 was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.

Wells 412, 501 A, 502 A, 504 A, and 505 A added to the monitoring program in 2nd quarter 2000 as water level monitoring wells.

TABLE C.1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0141	7/22/1989	6765.10	7.9	7.9	938	21	8	316	3.74	244	540	17.1	0.42	0.06	< 1	< 0.1	0.003	< 0.05
0141	10/12/1989	6765.50	7.7	8	938	19.1	8.4	306	4.6	257	482	21	0.37	0.1	< 1	< 0.1	0.003	< 0.05
0141	1/3/1990	6765.20	7.9	7.6	994	23.9	11	306	3.4	262	497	24.8	0.72	0.42	< 1	< 0.1	0.002	< 0.05
0141	4/3/1990	6765.20	7.9	7.8	1024	24	9.8	304	3.6	262	458	32.9	0.76	0.44	< 1	< 0.1	0.003	< 0.05
0141	7/2/1990	6764.90	7.6	7.72	1036	25.2	11	321	3.9	257	487	37.2	0.1	0.26	< 1	< 0.1	0.007	< 0.05
0141	10/2/1990	6764.90	7.6	7.65	1023	21.5	10.1	305	3.7	243	509	42	0.21	0.29	< 1	< 0.1	0.006	< 0.05
0141	1/16/1991	6764.90	7.5	7.89	1051	25.6	11.9	337	5.8	248	534	65.7	0.3	0.35	< 1	< 0.1	0.002	< 0.01
0141	4/3/1991	6764.90	7.7	8.1	1070	23.3	10.6	311	3.1	254	530	41	0.32	0.18	< 1	< 0.1	0.003	< 0.01
0141	7/16/1991	6764.60	7.6	7.54	1059	23.1	10.1	305	3.4	248	550	43.5	0.4	0.17	< 1	< 0.1	0.003	< 0.01
0141	10/14/1991	6766.70	7.5	7.99	1133	22.7	11.3	325	3.2	195	539	105	0.61	0.26	< 1	< 0.1	< 0.001	< 0.01
0141	1/14/1992	6770.80	7.4	7.62	1042	25.7	13.1	321	3.5	249	525	88.2	1.87	< 0.01	< 1	< 0.1	< 0.001	< 0.01
0141	4/7/1992	6772.10	7.4	7.46	1123	25.8	13.9	379	3.8	326	511	116	0.46	< 0.1	< 1	< 0.1	0.002	< 0.01
0141	7/7/1992	6772.80	7.5	7.8	1175	26.3	13.6	414	4.69	239	506	118	0.68	< 0.1	< 1	< 0.1	0.002	< 0.01
0141	10/6/1992	6774.20	7.6	7.61	1141	31.7	13.6	360	3.4	246	525	108	0.23	< 0.1	< 1	< 0.1	0.002	< 0.01
0141	1/5/1993	6775.10	7.7	7.93	1370	34.1	14.3	420	4.6	248	638	68.9	0.13	< 0.1	< 1	< 0.1	0.001	< 0.01
0141	4/6/1993	6775.90	7.8	8.18	1100	23.4	10	371	2.5	244	495	91.3	0.4	< 0.1	< 1	< 0.1	0.002	< 0.01
0141	7/13/1993	6776.50	7.7	7.12	1071	23.8	11.1	343	2.9	257	575	79.1	< 0.05	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	10/6/1993	6776.80	7.8	7.31	1105	27.2	12	304	2.7	257	541	64	0.47	0.16	< 1	< 0.1	< 0.001	< 0.01
0141	1/5/1994	6775.70	7.7	7.78	1101	28.7	12.8	313	2.9	237	550	71	0.39	0.73	< 1	< 0.1	< 0.001	< 0.01
0141	4/13/1994	6778.30	7.7	7.76	1017	35.1	11.7	301	2.4	234	499	49.4	0.18	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	7/20/1994	6778.70	7.7	7.34	1010	33.3	10.7	312	2.9	240	548	42.8	0.34	0.13	< 1	< 0.1	< 0.001	< 0.01
0141	10/4/1994	6779.20	7.6	8.02	1076	25.9	11.5	342	3.4	260	537	43.2	0.15	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	1/4/1995	6779.60	7.5	7.93	995	26	11	321	3.3	257	493	39.8	0.42	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	4/6/1995	no data	7.6	8.15	1038	25	12.6	291	3.1	254	507	28.2	0.62	5.19	< 1	< 0.1	< 0.001	< 0.01
0141	7/6/1995	6780.30	7.6	8.21	1073	28.5	13.8	306	3.2	256	528	30.4	0.24	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	10/3/1995	6780.50	7.2	8.3	1038	22.8	10	297	3	261	485	25.9	0.46	< 0.1	< 1	< 0.1	0.004	< 0.01
0141	1/3/1996	6781.00	7.2	8.24	1097	26.6	12.1	319	3.2	255	554	15.4	0.08	0.32	< 1	< 0.1	0.002	< 0.01
0141	4/2/1996	6781.30	7.2	8.36	1008	25.5	11.4	283	3.3	259	526	29.1	0.39	0.16	< 1	< 0.1	< 0.001	< 0.01
0141	7/7/1996	6781.50	8.4	7.75	1034	26.2	11.1	288	3	254	481	23.2	0.36	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	10/1/1996	6781.60	7.3	8.07	1010	25.1	11.7	300	3.1	254	498	25.4	0.31	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	1/21/1997	6782.30	6.7	7.93	903	23.9	10.6	303	3.17	256	500	22.5	0.3	< 0.1	< 1	< 0.1	0.002	< 0.01
0141	4/8/1997	6782.30	7	8.25	962	21.5	9.6	293	3.1	256	479	22.4	0.26	0.14	< 1	< 0.1	< 0.001	< 0.01
0141	7/8/1997	6782.20	7.9	8.33	977	25.2	11.3	304	3.2	251	516	24.4	1.33	0.13	< 1	< 0.1	< 0.001	< 0.01
0141	10/7/1997	6782.50	7.1	8.13	997	26.2	12	277	2.94	256	504	22.8	0.2	0.19	< 1	< 0.1	< 0.001	< 0.01
0141	1/15/1998	6782.90	7.8	8.29	1000	27	12.1	292	3.3	259	541	26.3	0.17	0.25	< 1	< 0.1	< 0.001	< 0.01
0141	4/7/1998	6783.20	7.5	8.22	999	21.8	9.9	285	2.9	259	490	20.3	0.19	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	7/7/1998	6783.20	8	8.28	976	23	10.6	302	3.2	259	469	20.9	0.39	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0141	10/6/1998	6783.20	7.4	8.17	1030	28	12.4	296	3.7	261	545	22.9	3.48	0.34	< 1	< 0.1	0.009	< 0.01
0141	1/5/1999	6783.60	7.8	8.06	1070	30.5	13.1	273	3.7	253	514	25.2	0.07	< 0.1	< 1	< 0.1	0.007	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0141	7/22/1989	< 0.01	< 0.01	< 0.05	0.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0069	< 0.2	2.9	2.9	0.6	< 1	2
0141	10/12/1989	< 0.01	< 0.01	< 0.05	0.05	0.02	< 0.05	0.001	< 0.1	0.019	6.5	< 1	6.5	< 0.2	1.2	7.1
0141	1/3/1990	< 0.01	< 0.01	< 0.05	0.07	0.02	< 0.05	< 0.001	< 0.1	0.014	0.6	< 1	0.6	< 0.2	2	1.7
0141	4/3/1990	< 0.01	< 0.01	< 0.05	0.16	< 0.1	< 0.05	0.001	< 0.1	0.008	0.6	< 1	0.6	1.6	< 1	2.5
0141	7/2/1990	< 0.01	< 0.01	< 0.05	0.18	< 0.1	< 0.05	0.001	< 0.1	0.0078	0.5	< 1	0.5	< 0.2	< 1	< 1
0141	10/2/1990	< 0.01	< 0.01	< 0.05	0.15	< 0.1	< 0.05	0.001	< 0.1	0.007	0.5	< 1	0.5	< 0.2	< 1	< 1
0141	1/16/1991	< 0.01	0.01	< 0.05	0.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0065	0.2	< 1	0.2	< 0.2	< 1	< 1
0141	4/3/1991	< 0.01	< 0.01	< 0.05	0.12	< 0.1	< 0.05	< 0.001	< 0.1	0.005	0.4	< 1	0.4	< 0.2	< 1	< 1
0141	7/16/1991	< 0.01	< 0.01	< 0.05	0.19	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	< 1	ND	< 0.2	2	< 1
0141	10/14/1991	< 0.01	< 0.01	< 0.05	0.16	< 0.1	< 0.05	0.001	< 0.1	0.022	0.8	< 1	0.8	< 0.2	< 1	< 1
0141	1/14/1992	< 0.01	< 0.01	< 0.05	0.13	< 0.1	< 0.05	0.002	< 0.1	0.005	8.4	3.7	12.1	< 0.2	< 1	9
0141	4/7/1992	< 0.01	< 0.01	< 0.05	0.15	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	7/7/1992	< 0.01	< 0.01	< 0.05	0.12	< 0.1	< 0.05	0.001	< 0.1	0.005	2.3	1.5	3.8	< 0.2	< 1	2.5
0141	10/6/1992	< 0.01	< 0.01	< 0.05	0.2	< 0.1	< 0.05	0.001	< 0.1	0.01	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	1/5/1993	< 0.01	< 0.01	< 0.05	0.41	< 0.1	< 0.05	0.007	< 0.1	0.011	0.4	< 1	0.4	< 0.2	< 1	< 1
0141	4/6/1993	< 0.01	< 0.01	< 0.05	0.19	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.3	< 1	0.3	< 0.2	< 1	< 1
0141	7/13/1993	< 0.01	< 0.01	< 0.05	0.16	< 0.1	< 0.05	< 0.001	< 0.1	0.005	< 0.2	2.5	2.5	< 0.2	1	< 1
0141	10/6/1993	< 0.01	< 0.01	< 0.05	0.22	< 0.1	< 0.05	< 0.001	< 0.1	0.006	0.6	< 1	0.6	< 0.2	< 1	< 1
0141	1/5/1994	< 0.01	< 0.01	< 0.05	0.19	< 0.1	< 0.05	< 0.001	< 0.1	0.005	0.4	< 1	0.4	< 0.2	6.2	< 1
0141	4/13/1994	< 0.01	< 0.01	< 0.05	0.15	< 0.1	< 0.05	< 0.001	< 0.1	0.008	0.5	< 1	0.5	< 0.2	1.7	< 1
0141	7/20/1994	< 0.01	< 0.01	< 0.05	0.2	< 0.1	< 0.05	0.001	< 0.1	0.004	1.5	< 1	1.5	< 0.2	< 1	1.7
0141	10/4/1994	< 0.01	< 0.01	< 0.05	0.26	< 0.1	< 0.05	< 0.001	< 0.1	0.003	0.5	< 1	0.5	< 0.2	< 1	< 1
0141	1/4/1995	< 0.01	< 0.01	< 0.05	0.29	< 0.1	< 0.05	< 0.001	< 0.1	0.016	0.7	< 1	0.7	< 0.2	< 1	< 1
0141	4/6/1995	< 0.01	< 0.01	< 0.05	0.15	< 0.1	< 0.05	< 0.001	< 0.1	0.004	0.4	< 1	0.4	< 0.2	< 1	< 1
0141	7/6/1995	< 0.01	< 0.01	< 0.05	0.3	< 0.1	< 0.05	0.001	< 0.1	0.0033	1	< 1	1	< 0.2	< 1	< 1
0141	10/3/1995	< 0.01	< 0.01	< 0.05	0.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0034	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	1/3/1996	< 0.01	< 0.01	< 0.05	< 0.01	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	0.3	1.4	1.7	0.6	< 1	1.1
0141	4/2/1996	< 0.01	< 0.01	< 0.05	0.1	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	7/7/1996	< 0.01	< 0.01	< 0.05	0.13	< 0.1	< 0.05	< 0.001	< 0.1	0.0039	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	10/1/1996	< 0.01	< 0.01	< 0.05	0.12	< 0.1	< 0.05	0.007	< 0.1	< 0.0003	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	1/21/1997	< 0.01	< 0.01	< 0.05	0.1	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	4/8/1997	< 0.01	< 0.01	< 0.05	0.08	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	7/8/1997	< 0.01	< 0.01	< 0.05	0.12	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	< 1	ND	< 0.2	28	< 1
0141	10/7/1997	< 0.01	< 0.01	< 0.05	0.13	< 0.1	< 0.05	< 0.001	< 0.1	0.005	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	1/15/1998	< 0.005	< 0.01	< 0.05	0.07	< 0.1	< 0.05	< 0.001	< 0.1	0.0031	< 0.2	< 1	ND	< 0.2	< 1	2.8
0141	4/7/1998	< 0.005	< 0.01	< 0.05	0.1	< 0.1	< 0.05	< 0.001	< 0.1	0.0029	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	7/7/1998	< 0.005	< 0.01	< 0.05	0.09	< 0.1	0.05	< 0.001	< 0.1	0.0027	< 0.2	< 1	ND	< 0.2	< 1	< 1
0141	10/6/1998	< 0.005	< 0.01	< 0.05	0.37	< 0.1	< 0.05	< 0.001	< 0.1	0.334	1.5	< 1	1.5	< 0.2	< 1	< 1
0141	1/5/1999	< 0.005	< 0.01	< 0.05	0.43	0.14	< 0.05	< 0.001	< 0.1	0.014	1.5	< 1	1.5	< 0.2	< 1	< 1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0141	4/6/1999	6782.90	7.6	8.13	1070	31.9	16.3	299	3.4	249	516	25.2	0.23	0.21	< 1	< 0.1	0.002	< 0.01
0141	7/13/1999	6783.54	6.8	8.28	968	29.7	14.2	285	7.5	258	507	30.2	0.37	< 0.1	< 1	< 0.1	0.004	< 0.01
0141	1/4/2000	6780.50	7	8.38	2280	19.7	6.4	665	7	228	1150	176	< 0.05	0.28	< 1	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0141	4/6/1999	< 0.005	< 0.01	< 0.05	0.24	< 0.1	< 0.05	0.001	< 0.1	0.0059	1	< 1	1	< 0.2	< 1	< 1
0141	7/13/1999	< 0.005	< 0.01	< 0.05	0.27	< 0.1	< 0.05	0.001	< 0.1	0.0541	1.1	< 1	1.1	< 0.2	< 1	< 1
0141	1/4/2000	< 0.005	< 0.01	< 0.05	0.11	< 0.1	< 0.05	0.001	< 0.1	0.0183	< 0.2	< 1	ND	< 0.2	< 1	< 1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0142	7/22/1989	6759.60	7.8	7.8	1129	37	17	332	4.36	244	599	17.7	0.45	0.19	< 1	< 0.1	0.001	< 0.05
0142	10/12/1989	6759.80	7.7	7.87	1096	27.9	13.4	333	5.1	247	580	19.2	0.2	0.38	< 1	< 0.1	0.001	< 0.05
0142	1/3/1990	6759.80	7.6	7.72	1130	30.6	13.9	332	3.9	245	579	20.6	0.34	0.4	< 1	0.1	0.002	< 0.05
0142	4/3/1990	6759.60	7.8	7.92	1265	47.4	23.1	318	4.4	281	648	18.5	0.71	0.34	< 1	< 0.1	0.001	< 0.05
0142	7/2/1990	6759.40	7.6	8	1106	32.2	13.6	317	4	253	564	18.1	0.17	0.31	< 1	0.1	0.001	< 0.05
0142	10/2/1990	6759.60	7.7	7.85	1116	22.8	11	310	3.4	234	590	18.8	0.09	0.33	< 1	0.1	0.001	< 0.05
0142	1/3/1991	6759.50	7.7	7.1	1113	29	14.3	318	11.9	244	607	18	0.36	0.33	< 1	< 0.1	0.001	< 0.01
0142	4/9/1991	6759.80	7.7	8.22	1015	31.1	13.7	308	3.9	250	588	17.4	0.21	0.25	< 1	< 0.1	< 0.001	< 0.01
0142	7/16/1991	6759.60	7.7	7.88	1085	35.2	16.8	286	3.7	271	643	17.2	0.34	0.21	< 1	< 0.1	< 0.001	< 0.01
0142	10/14/1991	6761.00	7.6	8.07	1110	31.6	14.8	297	3.4	271	590	15.3	0.3	0.14	< 1	< 0.1	< 0.001	< 0.01
0142	1/14/1992	6764.10	7.4	7.85	1071	27.6	13.8	296	3.3	259	595	16.4	0.95	0.37	< 1	< 0.1	< 0.001	< 0.01
0142	4/7/1992	6765.70	7.5	8.19	1023	28.8	15.6	335	4.5	256	579	17	0.25	< 0.1	< 1	< 0.1	0.001	< 0.01
0142	7/7/1992	no data	7.6	8.17	1101	35.5	19	355	4.84	263	588	16	0.99	< 0.1	< 1	< 0.1	0.001	< 0.01
0142	10/6/1992	6767.90	7.8	8.06	1100	37	17.8	332	3.2	260	588	16.8	0.08	< 0.1	< 1	< 0.1	0.001	< 0.01
0142	1/5/1993	6769.00	7.8	8.14	1019	27.1	11.9	279	3.9	256	542	17.4	0.31	< 0.1	< 1	< 0.1	0.002	< 0.01
0142	4/6/1993	6770.00	7.8	8.08	1084	31.8	14.8	326	2.6	254	560	16.1	0.31	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	7/13/1993	6770.50	7.8	7.09	1066	33.5	15.4	293	2.9	264	597	17.2	< 0.05	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	10/6/1993	6771.00	7.8	7.6	1074	32.3	13.9	295	2.6	255	566	15.9	0.13	0.17	< 1	< 0.1	< 0.001	< 0.01
0142	1/5/1994	6770.70	7.8	8.03	1056	33.7	15.4	307	2.8	246	563	16.4	0.31	0.1	< 1	< 0.1	< 0.001	< 0.01
0142	4/13/1994	6772.60	7.9	7.84	989	31	13.5	287	2.5	234	531	16.5	0.06	0.1	< 1	< 0.1	< 0.001	< 0.01
0142	7/20/1994	6773.00	7.7	8.05	1088	34.2	14.1	286	2.8	242	538	15.8	0.08	0.45	7.09	< 0.1	< 0.001	< 0.01
0142	10/4/1994	6773.80	7.7	8.15	1032	31.2	14	322	3.4	256	589	16.9	0.07	0.32	< 1	< 0.1	< 0.001	< 0.01
0142	1/4/1995	6774.30	7.7	8.01	1036	29	12.2	325	3.3	251	550	17.4	0.14	0.2	< 1	< 0.1	< 0.001	< 0.01
0142	4/6/1995	6774.70	7.8	8.11	1327	59	31	319	4.2	277	714	13.4	0.34	0.38	< 1	< 0.1	< 0.001	< 0.01
0142	7/6/1995	6774.80	7.7	8.32	1230	43	20.2	318	3.6	260	625	16.5	0.08	0.1	< 1	< 0.1	< 0.001	< 0.01
0142	10/3/1995	6775.30	7.3	8.3	1222	45.5	21.9	309	3.7	275	617	15.3	0.12	0.2	< 1	< 0.1	0.003	< 0.01
0142	1/3/1996	6775.50	7.8	8.05	1018	23.2	11.9	302	3	253	492	25.3	0.2	0.19	< 1	< 0.1	0.001	< 0.01
0142	4/2/1996	6776.10	7.1	8.42	1074	28.3	12.7	298	3.2	250	593	17.7	0.19	0.25	< 1	< 0.1	< 0.001	< 0.01
0142	7/7/1996	6776.10	7.9	7.72	1075	26.1	11.4	300	3.1	243	481	23.2	0.26	0.44	< 1	< 0.1	< 0.001	< 0.01
0142	10/1/1996	6776.20	7.5	8.12	1060	25.2	11.3	318	3.2	245	540	21.3	0.19	0.2	< 1	< 0.1	< 0.001	< 0.01
0142	1/21/1997	6777.10	6.5	7.86	1020	32.8	15.3	322	3.5	240	567	15.9	0.17	0.15	< 1	< 0.1	0.002	< 0.01
0142	4/8/1997	6777.20	6.6	8.28	1040	26.8	12	312	3.3	249	551	16.6	0.15	0.29	< 1	< 0.1	< 0.001	< 0.01
0142	7/8/1997	6777.20	8.1	8.32	1030	27	12	322	3.4	240	575	18.6	0.25	0.12	< 1	< 0.1	< 0.001	< 0.01
0142	10/7/1997	6773.00	7.4	8.19	1070	27.6	12.1	299	3.06	248	572	16.1	0.21	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	1/15/1998	6774.00	7.8	8.32	1170	39.6	17.9	330	3.8	261	673	20.9	0.35	0.2	< 1	< 0.1	< 0.001	< 0.01
0142	4/7/1998	6773.40	7.8	8.26	1100	26	11.6	314	3.2	245	546	18	0.13	0.14	< 1	< 0.1	< 0.001	< 0.01
0142	7/7/1998	6773.70	8.1	8.27	1070	25.8	11.7	325	3.4	245	533	17	0.18	0.22	< 1	< 0.1	0.001	< 0.01
0142	10/6/1998	6774.20	7.27	8.29	1170	36	17.9	325	4	267	640	18.1	2.04	0.31	< 1	< 0.1	0.002	< 0.01
0142	1/5/1999	6774.00	8	8.21	1210	37.7	17.9	309	3.6	273	628	18.2	0.12	0.24	< 1	< 0.1	0.002	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0142	7/22/1989	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	0.001	<0.1	0.0046	1	<1	1	<0.2	<1	1.1
0142	10/12/1989	<0.01	<0.01	<0.05	0.02	0.03	<0.05	<0.001	<0.1	0.005	0.3	<1	0.3	<0.2	3.1	1.1
0142	1/3/1990	<0.01	<0.01	<0.05	0.03	0.02	<0.05	0.001	<0.1	0.006	1.3	1.1	2.4	<0.2	2.9	1.9
0142	4/3/1990	<0.01	<0.01	<0.05	0.12	<0.1	<0.05	0.003	<0.1	0.008	1.3	<1	1.3	<0.2	<1	2.1
0142	7/2/1990	<0.01	<0.01	<0.05	0.04	<0.1	<0.05	<0.001	<0.1	0.0019	0.5	<1	0.5	<0.2	<1	<1
0142	10/2/1990	<0.01	<0.01	<0.05	0.03	<0.1	<0.05	<0.001	<0.1	0.003	<0.2	<1	ND	<0.2	<1	<1
0142	1/3/1991	0.02	<0.01	<0.05	0.03	<0.1	<0.05	<0.001	<0.1	0.0032	<0.2	<1	ND	<0.2	<1	<1
0142	4/9/1991	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	0.001	<0.1	0.0029	<0.2	<1	ND	<0.2	<1	<1
0142	7/16/1991	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	<0.001	<0.1	0.003	1.3	<1	1.3	<0.2	1.6	<1
0142	10/14/1991	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	0.015	1.5	<1	1.5	<0.2	<1	<1
0142	1/14/1992	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	0.001	<0.1	0.002	0.2	<1	0.2	<0.2	<1	<1
0142	4/7/1992	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	<0.001	<0.1	0.001	<0.2	<1	ND	<0.2	<1	<1
0142	7/7/1992	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	0.002	<0.1	0.003	0.6	3.1	3.7	<0.2	<1	<1
0142	10/6/1992	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	0.001	<0.1	<0.0003	0.4	1.1	1.5	<0.2	1.4	<1
0142	1/5/1993	<0.01	0.01	<0.05	0.01	<0.1	<0.05	0.007	<0.1	0.01	1.5	<1	1.5	<0.2	<1	1.6
0142	4/6/1993	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	<0.001	<0.1	0.002	0.8	<1	0.8	<0.2	2.6	<1
0142	7/13/1993	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	<0.001	<0.1	<0.0003	0.3	<1	0.3	<0.2	<1	<1
0142	10/6/1993	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	<0.001	<0.1	<0.0003	1.1	<1	1.1	<0.2	2.9	<1
0142	1/5/1994	<0.01	<0.01	<0.05	0.03	<0.1	<0.05	<0.001	<0.1	0.006	0.7	<1	0.7	<0.2	<1	1.4
0142	4/13/1994	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	<0.001	<0.1	<0.0003	0.5	1.9	2.4	<0.2	1.6	3.5
0142	7/20/1994	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	<0.001	<0.1	0.001	0.8	<1	0.8	<0.2	1.2	<1
0142	10/4/1994	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	<0.001	<0.1	0.001	0.3	<1	0.3	<0.2	<1	<1
0142	1/4/1995	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	<0.001	<0.1	0.001	0.4	1.8	2.2	<0.2	<1	3.3
0142	4/6/1995	<0.01	<0.01	<0.05	0.03	<0.1	<0.05	<0.001	<0.1	0.001	0.6	2.5	3.1	<0.2	<1	4.5
0142	7/6/1995	<0.01	<0.01	<0.05	0.02	<0.1	<0.05	0.001	<0.1	<0.0003	1.2	<1	1.2	0.4	<1	<1
0142	10/3/1995	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	<0.0003	0.9	3.4	4.3	<0.2	<1	<1
0142	1/3/1996	<0.01	<0.01	<0.05	0.14	<0.1	<0.05	<0.001	<0.1	0.0034	0.4	<1	0.4	0.6	<1	<1
0142	4/2/1996	<0.01	<0.01	<0.05	<0.01	<0.1	<0.05	<0.001	<0.1	0.0004	<0.2	<1	ND	<0.2	<1	<1
0142	7/7/1996	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	0.0007	0.5	<1	0.5	<0.2	<1	<1
0142	10/1/1996	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	0.003	<0.1	<0.0003	0.3	<1	0.3	<0.2	<1	<1
0142	1/21/1997	<0.01	<0.01	<0.05	0.04	<0.1	<0.05	<0.001	<0.1	<0.0003	<0.2	<1	ND	<0.2	<1	<1
0142	4/8/1997	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	<0.0003	<0.2	<1	ND	<0.2	<1	<1
0142	7/8/1997	<0.01	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	<0.0003	0.5	<1	0.5	<0.2	<1	<1
0142	10/7/1997	<0.01	<0.01	0.05	0.02	<0.1	<0.05	<0.001	<0.1	0.001	<0.2	<1	ND	<0.2	<1	<1
0142	1/15/1998	<0.005	<0.01	<0.05	0.02	<0.1	<0.05	<0.001	<0.1	0.0006	1.8	<1	1.8	<0.2	<1	<1
0142	4/7/1998	<0.005	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	0.0008	0.9	<1	0.9	<0.2	<1	<1
0142	7/7/1998	<0.005	<0.01	<0.05	0.01	<0.1	<0.05	<0.001	<0.1	0.0006	<0.2	<1	ND	<0.2	<1	<1
0142	10/6/1998	<0.005	<0.01	<0.05	0.08	<0.1	<0.05	<0.001	<0.1	0.0051	1.1	<1	1.1	<0.2	<1	<1
0142	1/5/1999	<0.005	<0.01	<0.05	0.21	0.14	<0.05	<0.001	<0.1	0.004	2.1	3	5.1	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0142	4/6/1999	6774.20	8	8.15	1120	33	15.8	313	3.5	250	562	22.7	0.21	0.25	< 1	< 0.1	< 0.001	< 0.01
0142	7/13/1999	6774.40	6.8	8.27	1030	32.4	15.8	299	6.7	262	498	24.5	0.26	0.16	< 1	< 0.1	0.001	< 0.01
0142	10/5/1999	6775.00	7.6	8.11	1130	29.6	14.6	308	3.7	251	557	21.4	0.26	0.13	< 1	< 0.1	< 0.001	< 0.01
0142	1/4/2000	6774.40	7.2	8.36	1500	82.2	41.7	319	7.8	309	797	26.6	1.51	0.11	< 1	< 0.1	< 0.001	< 0.01
0142	5/10/2000	6780.70	8.4	8.27	1080	27.2	12.6	306	3.25	242	613	19.1	0.24	< 0.1	< 1	1.18	< 0.001	< 0.01
0142	7/10/2000	6780.50	8.13	7.99	1060	25.8	11.8	318	3.1	242	543	19.9	0.28	< 0.1	< 1	0.75	< 0.001	< 0.01
0142	10/2/2000	6780.60	8.08	7.84	1310	52.7	46.8	314	4.9	220	676	17.7	0.3	< 0.1	< 1	0.18	0.003	< 0.01
0142	1/16/2001	6781.20	8.23	7.97	1060	20.7	9	309	3.6	242	594	21.6	0.27	< 0.1	< 1	0.2	0.001	< 0.01
0142	4/2/2001	6781.30	8.1	8.01	1050	19.4	8.8	314	2.6	234	544	18.8	0.37	< 0.1	< 1	0.1	0.002	< 0.01
0142	7/16/2001	6781.05	7.96	8.01	1080	19.9	9	297	3.7	233	550	24.7	0.27	< 0.1	< 1	0.1	0.001	< 0.01
0142	10/3/2001	6781.20	7.8	8.1	1060	18.2	8.5	272	3.5	240	555	24.7	0.19	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	1/7/2002	6781.15	8.23	7.9	1060	19.8	8.7	294	3.4	236	560	21.3	0.2	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	4/8/2002	6781.69	7.59	7.59	1070	19.4	8.5	307	2.9	239	556	21.5	0.26	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	7/15/2002	6781.60	7.11	8.06	1060	18.6	8.5	313	4.5	239	607	18.6	0.15	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0142	10/14/2002	6781.53	7.09	8	998	20.4	8.7	308	3.1	237	536	17.7	0.11	< 0.1	< 1	< 0.1	0.004	< 0.01
0142	1/13/2003	6776.76	7.48	7.93	1060	24.1	8.6	313	3.3	255	526	21.3	< 0.05	< 0.1	< 1	1.1	0.003	< 0.01
0142	4/14/2003	6777.08	7.89	7.76	1080	22.5	8.7	315	5.6	245	555	18.4	< 0.05	0.2	< 1	< 0.1	< 0.001	< 0.01
0142	7/15/2003	6776.95	7.63	7.99	1100	23.1	8.7	315	4.3	245	517	20.8	0.17	0.2	< 1	0.4	< 0.001	< 0.01
0142	10/13/2003	6777.24	7.85	8.04	1070	24.5	10	319	3.1	235	553	21.6	< 0.05	< 0.1	< 1	0.4	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0142	4/6/1999	< 0.005	< 0.01	< 0.05	0.01	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	< 0.2	< 1	ND	< 0.2	< 1	< 1
0142	7/13/1999	< 0.005	< 0.01	< 0.05	0.01	< 0.1	< 0.05	0.001	< 0.1	0.0009	< 0.2	< 1	ND	< 0.2	< 1	< 1
0142	10/5/1999	< 0.005	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	0.7	< 1	0.7	< 0.2	< 1	< 1
0142	1/4/2000	< 0.005	< 0.01	< 0.05	0.1	0.14	< 0.05	< 0.001	< 0.1	0.0077	2.4	1.5	3.9	< 0.2	< 1	2.5
0142	5/10/2000	< 0.005	< 0.01	< 0.05	0.07	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	< 0.2	< 1	ND	< 0.2	< 1	< 1
0142	7/10/2000	< 0.005	< 0.01	< 0.05	0.07	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	0.9	< 1	0.9	< 0.2	< 1	1.4
0142	10/2/2000	< 0.005	< 0.01	< 0.05	0.39	0.76	< 0.05	< 0.001	< 0.1	0.0019	0.9	< 1	0.9	< 0.2	< 1	< 1
0142	1/16/2001	< 0.005	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	0.4	3	3.4	< 0.2	< 1	< 1
0142	4/2/2001	< 0.005	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	< 0.2	< 1	ND	< 0.2	< 1	< 1
0142	7/16/2001	< 0.005	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.3	< 1	0.3	< 0.2	< 1	< 1
0142	10/3/2001	< 0.005	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.5	< 1	0.5	< 0.2	< 1	< 1
0142	1/7/2002	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.6	1.9	2.5	< 0.2	< 1	< 1
0142	4/8/2002	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.3	< 1	0.3	< 0.2	< 1	< 1
0142	7/15/2002	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.3	< 1	0.3	< 0.2	< 1	< 1
0142	10/14/2002	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0003	0.8	< 1	0.8	< 0.2	< 1	< 1
0142	1/13/2003	< 0.005	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.0	< 1	1	< 0.2	< 1	1.9
0142	4/14/2003	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0003	< 0.2	< 1	ND	< 0.2	< 1	1.1
0142	7/15/2003	< 0.005	< 0.01	< 0.05	0.05	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.3	< 1	0.3	< 0.2	< 1	< 1.0
0142	10/13/2003	< 0.005	< 0.01	< 0.05	0.09	< 0.1	< 0.05	< 0.001	< 0.1	0.0061	< 0.2	< 1	ND	< 0.2	< 1	< 1.0

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0143	7/22/1989	6759.40	7.9	7.86	1000	34	17	297	3.74	207	596	16.7	0.44	0.39	< 1	< 0.1	0.002	< 0.05
0143	10/11/1989	6759.70	7.8	7.98	1022	31.3	16.6	285	4.8	220	541	16.8	0.37	0.29	< 1	< 0.1	0.001	< 0.05
0143	1/3/1990	6759.60	7.5	7.65	1002	32.5	16.1	291	3.6	220	542	17.3	0.48	0.22	< 1	< 0.1	0.001	< 0.05
0143	4/3/1990	6759.50	7.7	7.8	1042	33.8	17	280	3.7	232	503	19.7	0.57	0.37	< 1	< 0.1	0.002	< 0.05
0143	7/2/1990	6759.30	7.4	7.9	1033	34.5	16.6	292	3.9	226	528	17.2	0.12	1.05	< 1	< 0.1	0.002	< 0.05
0143	10/2/1990	6759.30	7.5	7.77	1051	31.5	19.9	281	4	212	591	17.4	0.1	2.08	< 1	< 0.1	0.002	< 0.05
0143	1/3/1991	6759.40	7.5	7.15	1023	31.2	18.7	286	5.2	220	571	15.2	0.36	0.64	< 1	< 0.1	0.001	< 0.01
0143	4/9/1991	6759.40	7.5	8.26	944	29.4	16.2	270	3.7	223	558	16.7	0.3	0.25	< 1	< 0.1	0.001	< 0.01
0143	7/16/1991	6759.20	7.6	7.73	975	29.1	15.1	264	3.4	228	620	16.6	0.28	0.25	< 1	< 0.1	0.001	< 0.01
0143	10/14/1991	6760.90	7.5	7.9	1007	25.1	13.1	279	3.1	230	533	23.4	0.11	0.06	< 1	< 0.1	0.001	< 0.01
0143	1/14/1992	6764.70	7.4	7.54	1005	28.9	15.8	267	3.2	237	565	17.2	0.78	0.18	< 1	< 0.1	< 0.001	< 0.01
0143	4/7/1992	6766.60	7.5	7.18	964	26.6	16	321	3.7	237	523	16.9	0.31	< 0.1	< 1	< 0.1	0.003	< 0.01
0143	7/7/1992	6766.90	7.6	7.56	1019	27.5	15.7	334	3.89	238	543	16.2	0.53	< 0.1	< 1	< 0.1	0.001	< 0.01
0143	10/6/1992	6768.00	7.8	7.86	999	31.2	15.9	284	1.7	236	524	15.5	0.23	< 0.1	< 1	< 0.1	0.001	< 0.01
0143	1/5/1993	6769.00	7.8	8.14	1098	29.8	14.7	281	2.5	239	558	9.5	0.34	< 0.1	< 1	< 0.1	0.004	< 0.01
0143	4/6/1993	6769.80	7.7	8.07	965	25.5	12.8	299	2.2	239	495	16.1	0.28	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	7/13/1993	6770.30	7.7	7.07	932	29.2	14.2	278	2.7	243	494	16.5	< 0.05	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	10/6/1993	6770.70	7.6	7.62	978	28.2	14.2	271	2.3	243	525	15.6	0.2	0.18	< 1	< 0.1	< 0.001	< 0.01
0143	1/5/1994	6771.40	7.7	7.73	953	28.3	14.3	274	2.5	224	517	18.6	0.32	0.1	< 1	< 0.1	< 0.001	< 0.01
0143	4/13/1994	6772.30	7.8	7.81	940	29.4	14.5	261	2.3	223	484	15.8	0.12	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	7/20/1994	6772.60	7.6	8.07	950	38.9	15.4	256	2.5	223	509	14.5	0.23	0.19	< 1	< 0.1	< 0.001	< 0.01
0143	10/4/1994	6773.20	7.6	8.09	927	33.3	16.4	285	3.1	245	525	16.2	0.23	0.16	< 1	< 0.1	< 0.001	< 0.01
0143	1/4/1995	6773.80	7.5	8.05	959	33	15.4	283	3.2	243	498	15.2	0.23	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	4/6/1995	6774.20	7.7	7.93	990	32	17	267	3.1	249	519	11.6	0.27	0.24	< 1	< 0.1	< 0.001	< 0.01
0143	7/6/1995	6774.40	7.6	8.32	995	30.9	15.6	269	3.1	238	495	15.5	0.14	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	10/3/1995	6774.90	7.3	8.35	994	30.8	15.8	266	3.1	241	486	14.2	0.22	0.11	< 1	< 0.1	0.004	< 0.01
0143	1/3/1996	6775.50	8	8.05	971	29.1	15.3	272	3	244	489	13.9	0.2	0.13	< 1	< 0.1	0.001	< 0.01
0143	4/2/1996	6775.80	7.5	8.41	958	32.5	16.7	257	3.3	244	519	16.9	0.33	0.14	< 1	< 0.1	< 0.001	< 0.01
0143	7/7/1996	6776.00	7.5	7.77	964	30.2	15.3	260	3.1	240	468	14.3	0.37	0.21	< 1	< 0.1	< 0.001	< 0.01
0143	10/1/1996	6776.30	7.2	8.13	975	30.7	15.9	275	3.2	240	488	17.8	0.36	0.1	< 1	< 0.1	< 0.001	< 0.01
0143	1/21/1997	6777.00	6.5	7.89	994	32.4	16.5	283	3.3	244	498	14.4	0.32	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	4/8/1997	6777.00	6.8	8.24	938	30	15.3	265	3.1	244	484	14.4	0.24	0.15	< 1	< 0.1	< 0.001	< 0.01
0143	7/8/1997	6777.00	8	8.32	943	32.7	16.6	278	3.3	238	517	16.9	0.27	0.11	< 1	< 0.1	< 0.001	< 0.01
0143	10/7/1997	6777.30	7.6	8.15	975	32.7	16.8	266	3.2	246	505	12.6	0.21	0.11	< 1	< 0.1	< 0.001	< 0.01
0143	1/15/1998	6776.90	7.8	8.3	974	36.3	18	272	3.5	245	542	17.8	0.16	0.27	< 1	< 0.1	< 0.001	< 0.01
0143	4/7/1998	6778.00	7.8	8.21	980	30	15.6	263	3.1	243	486	14.8	0.14	0.15	< 1	< 0.1	0.001	< 0.01
0143	7/7/1998	6778.10	8	8.23	953	32.3	16.9	276	3.4	226	460	14.5	0.29	0.11	< 1	< 0.1	0.001	< 0.01
0143	10/6/1998	6778.40	7.51	8.41	986	30.7	15.7	276	3.7	245	526	16	1	0.35	< 1	< 0.1	0.006	< 0.01
0143	1/5/1999	6778.50	7.9	8.2	979	30.6	14.5	268	3.8	254	509	16.1	0.13	0.13	< 1	< 0.1	0.004	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0143	7/22/1989	< 0.01	< 0.01	< 0.05	0.04	< 0.1	< 0.05	0.001	< 0.1	0.0034	0.7	< 1	0.7	3	< 1	1.4
0143	10/11/1989	< 0.01	< 0.01	< 0.05	0.04	0.11	< 0.05	0.001	< 0.1	0.006	1.2	1.5	2.7	0.9	< 1	3.2
0143	1/3/1990	< 0.01	< 0.01	< 0.05	0.04	0.01	< 0.05	0.001	< 0.1	0.006	1.4	< 1	1.4	< 0.2	2.1	4
0143	4/3/1990	< 0.01	0.01	< 0.05	0.06	< 0.1	< 0.05	< 0.001	< 0.1	0.0681	0.8	< 1	0.8	< 0.2	< 1	1.3
0143	7/2/1990	< 0.01	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	0.0068	0.6	< 1	0.6	< 0.2	< 1	< 1
0143	10/2/1990	< 0.01	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	0.006	0.3	< 1	0.3	< 0.2	< 1	< 1
0143	1/3/1991	0.01	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	0.0057	0.9	< 1	0.9	< 0.2	< 1	< 1
0143	4/9/1991	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	1.7	1.7	< 0.2	< 1	< 1
0143	7/16/1991	< 0.01	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	10/14/1991	< 0.01	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.003	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	1/14/1992	< 0.01	< 0.01	< 0.05	0.01	0.1	< 0.05	< 0.001	< 0.1	0.007	0.2	< 1	0.2	< 0.2	< 1	< 1
0143	4/7/1992	< 0.01	< 0.01	< 0.05	0.02	0.1	< 0.05	< 0.001	< 0.1	0.006	< 0.2	1.8	1.8	< 0.2	< 1	< 1
0143	7/7/1992	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	0.001	< 0.1	0.008	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	10/6/1992	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	0.001	< 0.1	0.017	0.3	3.7	4	< 0.2	< 1	< 1
0143	1/5/1993	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	0.007	< 0.1	0.006	0.4	< 1	0.4	< 0.2	< 1	< 1
0143	4/6/1993	< 0.01	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.004	0.4	1.6	2	< 0.2	2.2	< 1
0143	7/13/1993	< 0.01	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.003	0.8	1.2	2	< 0.2	< 1	< 1
0143	10/6/1993	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.7	< 1	0.7	< 0.2	< 1	< 1
0143	1/5/1994	< 0.01	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.3	< 1	0.3	< 0.2	1.4	< 1
0143	4/13/1994	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.8	2.5	3.3	< 0.2	< 1	4.7
0143	7/20/1994	< 0.01	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.002	1	< 1	1	< 0.2	< 1	1.2
0143	10/4/1994	< 0.01	< 0.01	< 0.05	0.04	< 0.1	< 0.05	< 0.001	< 0.1	0.002	0.7	< 1	0.7	< 0.2	< 1	< 1
0143	1/4/1995	< 0.01	< 0.01	< 0.05	< 0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.002	0.8	< 1	0.8	< 0.2	< 1	< 1
0143	4/6/1995	< 0.01	< 0.01	< 0.05	< 0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.002	0.2	< 1	0.2	< 0.2	1.5	< 1
0143	7/6/1995	< 0.01	< 0.01	< 0.05	< 0.03	< 0.1	< 0.05	0.001	< 0.1	< 0.0003	0.5	< 1	0.5	< 0.2	< 1	< 1
0143	10/3/1995	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0018	0.3	1.3	1.6	< 0.2	< 1	< 1
0143	1/3/1996	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	1	2.5	3.5	0.4	1	2.1
0143	4/2/1996	< 0.01	< 0.01	< 0.05	0.02	< 0.1	0.19	< 0.001	< 0.1	< 0.0003	0.5	< 1	0.5	< 0.2	< 1	< 1
0143	7/7/1996	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.002	< 0.2	< 1	ND	< 0.2	< 1	3.8
0143	10/1/1996	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	0.003	< 0.1	< 0.0003	0.5	< 1	0.5	< 0.2	< 1	< 1
0143	1/21/1997	< 0.01	< 0.01	< 0.05	0.01	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.6	< 1	0.6	< 0.2	< 1	< 1
0143	4/8/1997	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	7/8/1997	< 0.01	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	10/7/1997	< 0.01	0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	1/15/1998	< 0.005	< 0.01	< 0.05	< 0.01	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	4/7/1998	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	7/7/1998	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	10/6/1998	< 0.005	< 0.01	< 0.05	0.1	< 0.1	< 0.05	< 0.001	< 0.1	0.0081	0.6	< 1	0.6	< 0.2	< 1	< 1
0143	1/5/1999	< 0.005	< 0.01	< 0.05	0.09	< 0.1	< 0.05	< 0.001	< 0.1	0.0148	< 0.2	< 1	ND	< 0.2	< 1	< 1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0143	4/6/1999	6779.10	8	8.09	975	31.4	16.5	267	3.3	240	477	18.5	0.28	0.15	< 1	< 0.1	< 0.001	< 0.01
0143	7/13/1999	6778.79	6.8	8.24	857	33.3	18	284	4	247	517	13.9	0.33	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	10/5/1999	6779.00	7.52	8.08	953	28.1	15.6	257	3	235	457	16.4	0.32	< 0.1	< 1	< 0.1	< 0.001	< 0.01
0143	1/4/2000	6779.90	7.8	8.41	998	36.1	19.4	272	5.4	242	528	22.8	0.33	0.24	< 1	< 0.1	0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0143	4/6/1999	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	< 0.2	1.7	1.7	< 0.2	< 1	< 1
0143	7/13/1999	< 0.005	< 0.01	< 0.05	0.02	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	< 0.2	< 1	ND	< 0.2	< 1	< 1
0143	10/5/1999	< 0.005	< 0.01	< 0.05	0.03	< 0.1	< 0.05	< 0.001	< 0.1	0.001	0.3	< 1	0.3	< 0.2	< 1	< 1
0143	1/4/2000	< 0.005	< 0.01	< 0.05	0.06	< 0.1	< 0.05	0.001	< 0.1	0.0047	2	< 1	2	< 0.2	< 1	3.1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0515 A	7/23/1989	6920.50	4.5	4.63	7411	482	871	340	12.6	18	4982	52.5	0.39	86	14	12	< 0.001	< 0.05
0515 A	10/12/1989	6920.80	4.7	4.6	7650	439	861	328	15.8	4.1	4583	77.8	0.39	84	12	15	< 0.001	< 0.05
0515 A	1/10/1990	6919.60	4	3.94	9350	449	1017	335	13.7	< 0	6227	36.8	3.79	52	8.4	110	< 0.001	< 0.05
0515 A	4/5/1990	6918.80	3.9	3.98	9405	451	1073	331	13.3	< 0	6237	30.8	3.25	55	11.8	150	< 0.001	< 0.05
0515 A	7/3/1990	6918.10	4	4.18	9187	435	941	320	12.7	< 0	6084	59.4	0.67	54.2	22.4	110	< 0.001	< 0.05
0515 A	10/3/1990	6917.80	4.4	4.32	9021	440	992	390	15.7	< 0	5728	82.6	0.17	51.6	25.4	75.6	< 0.001	< 0.05
0515 A	1/15/1991	6916.90	4.4	4.31	9290	523	1146	407	16.7	< 0	6476	68.5	0.65	58.5	42	48.4	< 0.001	0.01
0515 A	4/3/1991	6916.60	4.6	4.88	9254	459	1159	387	12.9	16	5627	83	0.31	41.4	75.3	60.7	< 0.001	< 0.01
0515 A	7/17/1991	6916.50	4.5	4.6	8966	486	940	342	13.2	12	6653	83.5	0.79	38.6	38.4	45.8	< 0.001	0.02
0515 A	9/4/1991	no data	no data	4.62	9792	429	768	385	13.6	5	6955	52.2	0.66	18.1	36.4	9.6	< 0.001	< 0.01
0515 A	10/15/1991	6916.20	4.8	4.92	9118	410	749	453	15	9.5	5832	108	< 0.05	19.9	102	3.3	< 0.001	< 0.01
0515 A	11/4/1991	no data	no data	4.33	9001	426	759	377	12.9	< 0	5750	103	0.53	65.7	28	23.19	< 0.001	0.02
0515 A	12/2/1991	no data	no data	4.59	9153	425	831	376	13.4	7.2	5298	102	0.9	36	55.9	35.4	< 0.001	< 0.01
0515 A	1/15/1992	6916.10	4.5	4.61	9035	409	814	396	12.6	16.8	5854	90.3	0.18	26.5	19	26.6	< 0.001	0.02
0515 A	4/8/1992	6916.20	4.3	5.3	9087	430	723	416	14.5	19.8	5710	130	1.23	19.2	24	16.2	0.003	0.01
0515 A	7/8/1992	6915.80	4.3	4.78	8447	438	687	511	17.7	5.3	5892	109	1.78	31	63	21	0.001	< 0.01
0515 A	10/7/1992	6915.70	4.6	4.1	8989	450	953	470	19.4	< 0	6028	78.2	0.43	15.1	48.2	48.8	< 0.001	< 0.01
0515 A	1/6/1993	6915.60	5.3	4.98	7144	415	776	384	13	19.3	4980	145	0.71	21.8	102	10.2	< 0.001	0.01
0515 A	4/6/1993	6915.60	4.7	4.55	8962	389	863	471	12.5	2.5	5942	150	0.35	27.1	89	35.6	< 0.001	0.013
0515 A	7/13/1993	6915.00	5	4.6	8790	449	1088	458	14	7.1	5755	195	1.14	29.3	133	5.73	< 0.001	< 0.01
0515 A	10/6/1993	6914.80	6	6.22	8235	454	1038	479	12.6	554	5500	225	0.94	38	255	1.87	< 0.001	< 0.01
0515 A	1/6/1994	6914.70	5.5	6.13	8633	436	862	478	11.3	373	5042	227	2.18	45.7	315	2.92	< 0.001	< 0.01
0515 A	4/12/1994	6914.40	5.7	5.98	8306	433	868	440	11.3	183	5305	223	2.17	51.9	277	1.51	< 0.001	< 0.01
0515 A	7/20/1994	6913.90	5.6	6.91	8197	483	902	419	12.5	206	5157	195	0.97	45.6	271	1.42	< 0.001	< 0.01
0515 A	10/4/1994	6914.00	5.6	6.62	8173	496	924	493	12.6	260	5276	236	1.64	51.8	241	2.45	< 0.001	< 0.01
0515 A	1/4/1995	6913.70	5.5	6.69	8234	485	945	443	14.1	266	5293	212	1.42	49	213	1.7	< 0.001	< 0.01
0515 A	4/4/1995	6913.40	5.6	5.91	7657	488	802	488	14.1	185	5196	240	2	58.5	182	2.04	< 0.001	< 0.01
0515 A	7/6/1995	6912.90	5.8	7.09	8297	475	926	449	13.1	315	5060	236	3.99	49.7	181	0.25	< 0.001	< 0.01
0515 A	10/3/1995	6912.90	5.8	7.16	8311	490	928	477	13	421	5042	253	6.81	53.3	0.264	0.65	0.002	< 0.01
0515 A	1/3/1996	6912.70	5.8	6.43	8017	450	876	468	13.5	475	4830	252	5.6	56.9	236	< 0.1	< 0.001	< 0.01
0515 A	4/2/1996	6912.40	6	7.53	8300	506	997	457	14	392	5360	279	6.57	61	0.247	0.6	< 0.001	< 0.01
0515 A	7/7/1996	6912.20	5.3	5.94	8117	447	853	426	13.6	210	4670	250	1.76	54.7	0.211	1.42	< 0.001	< 0.01
0515 A	10/1/1996	6912.00	5.7	6.58	8270	441	910	457	14.5	342	4834	268	6.97	53.5	238	0.85	< 0.001	< 0.01
0515 A	1/21/1997	6911.90	5.6	6.77	8110	449	979	455	15	428	5140	253	8.03	46.8	239	0.97	< 0.001	< 0.01
0515 A	4/8/1997	6911.70	5.5	7.37	8220	456	865	449	15	331	4388	294	6.41	58.5	230	0.75	< 0.001	< 0.01
0515 A	7/8/1997	6911.20	6.4	6.75	8260	502	950	466	15.1	296	5130	300	5.39	57.9	238	1.27	< 0.001	< 0.01
0515 A	10/7/1997	6911.20	5.5	6.71	8200	490	906	450	14.6	254	4790	255	6.04	56.4	242	0.98	< 0.001	< 0.01
0515 A	1/15/1998	6911.00	5.7	6.8	8040	455	860	439	14.7	228	4800	287	10.4	64.8	262	2	< 0.001	< 0.01
0515 A	4/7/1998	6911.00	5.5	7.14	8190	429	821	444	14.1	276	4420	257	6.47	58.9	236	0.78	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0515 A	7/23/1989	<0.01	0.07	<0.05	7.7	<0.1	0.26	<0.001	<0.1	0.0029	6.3	9.4	15.7	<0.2	3	23.1
0515 A	10/12/1989	<0.01	0.09	<0.05	8.5	<0.01	0.26	0.019	<0.1	0.004	3.2	<1	3.2	<0.2	1.6	3.9
0515 A	1/10/1990	<0.01	0.26	<0.05	23	<0.1	0.37	<0.001	<0.1	0.01	5.2	9.7	14.9	1.7	3.5	9.7
0515 A	4/5/1990	<0.01	0.31	<0.05	24	<0.1	0.46	<0.001	<0.1	0.008	4.9	5.5	10.4	1.8	2.2	7.3
0515 A	7/3/1990	<0.01	0.18	<0.05	17.6	<0.1	0.35	<0.001	<0.1	0.0107	6.9	6.2	13.1	<0.2	<1	7
0515 A	10/3/1990	<0.01	0.17	<0.05	12.8	<0.1	0.31	<0.001	<0.1	0.005	3.3	8.3	11.6	<0.2	<1	4
0515 A	1/15/1991	0.01	0.16	<0.05	11.6	<0.1	0.32	<0.001	<0.1	0.007	5.3	7.1	12.4	<0.2	<1	5.7
0515 A	4/3/1991	<0.01	0.11	<0.05	7.1	<0.1	0.2	<0.001	<0.1	0.003	6.1	7.2	13.3	<0.2	2	6
0515 A	7/17/1991	<0.01	0.24	<0.05	14.7	<0.1	0.3	<0.001	<0.1	0.011	2.7	3.5	6.2	<0.2	<1	3
0515 A	9/4/1991	<0.01	0.15	<0.05	11.6	<0.1	0.28	<0.001	<0.1	0.008	2.1	6.3	8.4	<0.2	<1	2
0515 A	10/15/1991	<0.01	0.22	<0.05	14.4	<0.1	0.19	<0.001	<0.1	0.02	2.4	9	11.4	<0.2	<1	3
0515 A	11/4/1991	<0.01	0.17	<0.05	15.2	<0.1	0.33	<0.001	<0.1	0.0138	3.5	12	15.5	<0.2	6.9	4
0515 A	12/2/1991	<0.01	0.24	<0.05	14.1	<0.1	0.32	<0.001	<0.1	0.01	5.4	10.4	15.8	<0.2	<1	5
0515 A	1/15/1992	<0.01	0.02	<0.05	15.5	<0.1	0.31	0.01	<0.1	0.012	2.6	4.4	7	<0.2	4.2	3
0515 A	4/8/1992	<0.01	0.19	<0.05	13.6	<0.1	0.27	0.01	<0.1	0.013	3.4	6.4	9.8	<0.2	<1	3.6
0515 A	7/8/1992	<0.01	0.19	<0.05	15.7	<0.1	0.26	0.001	<0.1	0.02	3.4	10.8	14.2	<0.2	1.6	3.7
0515 A	10/7/1992	<0.01	0.28	<0.05	18.7	<0.1	0.38	<0.001	<0.1	0.02	5.6	7	12.6	<0.2	<1	5.9
0515 A	1/6/1993	<0.01	0.21	<0.05	14.2	<0.1	0.34	0.004	<0.1	0.015	5.7	6.7	12.4	<0.2	<1	5.9
0515 A	4/6/1993	<0.01	0.26	<0.05	18.8	<0.1	0.37	0.001	<0.1	0.015	2.9	9.5	12.4	<0.2	4.4	3.6
0515 A	7/13/1993	<0.01	0.2	<0.05	14	<0.1	0.28	<0.001	<0.1	0.012	2.6	6.5	9.1	<0.2	2.9	3.4
0515 A	10/6/1993	<0.01	0.13	<0.05	9.81	<0.1	0.27	<0.001	<0.1	0.004	3.5	7	10.5	<0.2	2.6	3.9
0515 A	1/6/1994	<0.01	0.15	<0.05	12.1	<0.1	0.26	<0.001	<0.1	0.004	5.4	2.8	8.2	<0.2	<1	10.6
0515 A	4/12/1994	<0.01	<0.01	<0.05	10.6	<0.1	0.21	0.001	<0.1	0.03	4.8	<1	4.8	<0.2	3.9	5
0515 A	7/20/1994	<0.01	0.18	<0.05	11.4	<0.1	0.25	0.001	<0.1	0.002	4.2	9.3	13.5	<0.2	<1	24.2
0515 A	10/4/1994	<0.01	0.16	<0.05	15.3	<0.1	0.31	<0.001	<0.1	0.003	6.6	3.7	10.3	<0.2	1	12.3
0515 A	1/4/1995	<0.01	0.11	<0.05	10.2	<0.1	0.42	<0.001	<0.1	0.004	6.2	4.7	10.9	<0.2	<1	13.4
0515 A	4/4/1995	<0.01	0.13	<0.05	11	<0.1	0.15	<0.001	<0.1	0.002	4.7	7.5	12.2	<0.2	2.9	16.1
0515 A	7/6/1995	<0.01	0.02	<0.05	2.52	<0.1	<0.05	0.002	<0.1	0.0044	3	4.2	7.2	0.3	<1	16.1
0515 A	10/3/1995	<0.01	0.07	<0.05	11.1	<0.1	0.13	<0.001	<0.1	0.0057	3.6	<1	3.6	<0.2	<1	13.6
0515 A	1/3/1996	<0.01	<0.01	<0.05	11.4	<0.1	0.14	<0.001	<0.1	0.0038	3.4	3.1	6.5	0.8	<1	7.4
0515 A	4/2/1996	<0.01	0.08	<0.05	11.8	<0.1	0.14	<0.001	<0.1	<0.0003	2.4	3.9	6.3	<0.2	<1	5.4
0515 A	7/7/1996	<0.01	0.11	<0.05	12.9	<0.1	0.17	<0.001	<0.1	0.0023	2.6	<1	2.6	<0.2	<1	3.4
0515 A	10/1/1996	<0.01	0.08	<0.05	13.2	<0.1	0.15	0.002	<0.1	0.0028	2.1	5.4	7.5	<0.2	<1	3.8
0515 A	1/21/1997	<0.01	0.07	<0.05	12.2	<0.1	0.14	<0.001	<0.1	0.004	2.9	3.6	6.5	<0.2	<1	2.5
0515 A	4/8/1997	<0.01	0.07	<0.05	12.1	<0.1	0.15	0.069	<0.1	0.0019	4.9	4.5	9.4	<0.2	<1	13
0515 A	7/8/1997	<0.01	0.09	<0.05	14.6	<0.1	0.15	<0.001	<0.1	0.003	1.6	3.7	5.3	<0.2	<1	2.2
0515 A	10/7/1997	<0.01	0.08	<0.05	12.9	<0.1	0.17	<0.001	<0.1	0.003	2.1	<1	2.1	<0.2	<1	3.2
0515 A	1/15/1998	<0.005	0.1	<0.05	15.6	<0.1	0.19	<0.001	<0.1	0.0025	2.3	4.8	7.1	<0.2	<1	2.4
0515 A	4/7/1998	<0.005	0.08	<0.05	12.1	<0.1	0.17	<0.001	<0.1	0.0034	2.5	3.7	6.2	<0.2	<1	4.1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0515 A	7/7/1998	6910.90	5.8	7.61	8170	481	912	456	14.5	291	4500	291	6.9	63.9	270	0.87	< 0.001	< 0.01
0515 A	10/6/1998	6910.50	5.69	7.32	8170	465	910	468	15.5	317	5000	286	3.89	70.5	no data	0.51	< 0.001	< 0.01
0515 A	1/5/1999	6910.00	5.7	7.18	8200	412	867	410	14.2	306	4900	287	6.47	57.4	210	0.69	< 0.001	< 0.01
0515 A	4/6/1999	6910.10	5.5	6.59	8130	444	889	404	13.7	292	4600	286	6.52	57.8	190	0.86	< 0.001	< 0.01
0515 A	7/13/1999	6909.88	5.7	7.42	7930	486	938	440	18	272	4800	254	4.52	62.6	172	0.4	< 0.001	< 0.01
0515 A	10/5/1999	6910.00	5.36	7.27	7950	526	1040	423	14.6	253	5440	272	6.64	55.6	183	1.02	< 0.001	< 0.01
0515 A	1/4/2000	6910.40	5.5	7.14	7720	414	810	338	13.7	222	4150	221	3.59	65.1	171	1.22	< 0.001	< 0.01
0515 A	5/10/2000	6910.60	5.5	7.01	8080	437	871	437	13.6	356	4440	261	9.79	62.8	198	2.44	< 0.001	< 0.01
0515 A	7/11/2000	6910.30	5.45	6.5	7740	458	866	428	13.4	242	4460	239	4.19	86.5	154	2.11	< 0.001	< 0.01
0515 A	10/3/2000	6910.40	5.47	6.7	7550	456	906	432	16.2	228	5060	236	2.56	70.1	181	2.08	< 0.001	< 0.01
0515 A	1/10/2001	6910.40	5.62	6.61	7610	440	816	364	12.9	222	4410	258	2.76	66.4	141	2.7	< 0.001	< 0.01
0515 A	4/3/2001	6910.30	5.85	6.54	7580	512	929	373	12.3	225	4640	247	2.85	68.5	148	2.9	< 0.001	< 0.01
0515 A	7/17/2001	6909.90	5.94	5.96	7770	420	810	421	14.1	225	4010	260	2.62	70.9	160	2.89	< 0.001	< 0.01
0515 A	10/2/2001	6910.00	5.44	6.6	7780	430	820	351	14	217	4000	327	2	66.5	165	2.29	< 0.001	< 0.01
0515 A	1/14/2002	6909.85	6.56	6.3	7680	501	887	349	14.6	212	4410	305	2.07	60.5	149	3	0.002	< 0.01
0515 A	4/2/2002	6910.00	5.41	6.57	7670	492	855	412	15.2	214	4790	279	1.75	61.9	162	2.9	< 0.001	< 0.01
0515 A	7/10/2002	6909.30	7.25	6.33	7750	470	850	401	13.4	211	4420	250	2.39	61.5	162	2.4	< 0.001	< 0.01
0515 A	10/9/2002	6910.87	6.54	6.61	6900	428	778	386	12.5	210	4270	228	2.95	63	203	3.1	< 0.001	< 0.01
0515 A	1/8/2003	6909.16	7.08	6.74	7640	385	720	392	13.1	209	3810	223	3.16	57	162	2.4	< 0.001	< 0.01
0515 A	4/9/2003	6908.81	5.31	6.37	7680	443	816	402	18.9	198	4050	270	2.81	58	166	2.4	< 0.001	< 0.01
0515 A	7/9/2003	6908.68	5.25	6.41	6250	450	814	450	14.5	203	4500	246	3.11	61	237	2.6	< 0.001	< 0.01
0515 A	10/8/2003	6908.80	5.24	6.20	7800	453	843	427	12.4	190	4470	232	2.98	59	148	2.6	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0515 A	7/7/1998	< 0.005	0.07	< 0.05	13.9	< 0.1	0.15	< 0.001	< 0.1	0.0031	2.9	4.2	7.1	< 0.2	< 1	3.8
0515 A	10/6/1998	< 0.005	0.06	< 0.05	11.8	< 0.1	0.15	< 0.001	< 0.1	0.0049	2.3	1.2	3.5	< 0.2	2.8	210
0515 A	1/5/1999	0.011	0.05	< 0.05	12.3	< 0.1	0.12	< 0.001	< 0.1	0.0035	2.2	3.9	6.1	< 0.2	2.5	2.5
0515 A	4/6/1999	0.006	0.07	< 0.05	13.6	< 0.1	0.15	< 0.001	< 0.1	0.0029	3.4	4.8	8.2	< 0.2	3.1	3.1
0515 A	7/13/1999	0.006	0.05	< 0.05	13.6	< 0.1	0.13	< 0.001	< 0.1	0.0036	2.3	2.9	5.2	< 0.2	2	2
0515 A	10/5/1999	0.008	0.07	< 0.05	16.6	< 0.1	0.15	< 0.001	< 0.1	0.0023	2.4	< 1	2.4	< 0.2	< 1	4.7
0515 A	1/4/2000	0.006	0.08	< 0.05	14	< 0.1	0.22	< 0.001	< 0.1	0.0025	3.2	4.2	7.4	< 0.2	< 1	3.7
0515 A	5/10/2000	< 0.005	0.06	< 0.05	11.8	< 0.1	0.18	< 0.001	< 0.1	0.0036	4.1	2.1	6.2	< 0.2	< 1	12
0515 A	7/11/2000	< 0.005	0.09	< 0.05	14.6	< 0.1	0.19	< 0.001	< 0.1	0.0021	2	3.6	5.6	< 0.2	< 1	4.6
0515 A	10/3/2000	< 0.005	0.07	< 0.05	11.6	< 0.1	0.15	< 0.001	< 0.1	0.0019	2.8	5.9	8.7	< 0.2	< 1	5.1
0515 A	1/10/2001	< 0.005	0.08	< 0.05	12.5	< 0.1	0.22	< 0.001	< 0.1	0.0017	2.6	6.3	8.9	< 0.2	< 1	3.4
0515 A	4/3/2001	< 0.005	0.1	< 0.05	13.3	< 0.1	0.25	< 0.001	< 0.1	0.0011	2.7	< 1	2.7	< 0.2	< 1	3.1
0515 A	7/17/2001	< 0.005	0.09	< 0.05	13.9	< 0.1	0.24	< 0.001	< 0.1	0.001	3.1	6	9.1	< 0.2	< 1	4.1
0515 A	10/2/2001	< 0.005	0.07	< 0.05	13.4	< 0.1	0.11	< 0.001	< 0.1	0.0009	3.1	4.5	7.6	< 0.2	< 1	6.3
0515 A	1/14/2002	< 0.005	0.1	< 0.05	15.8	< 0.1	0.26	< 0.001	< 0.1	0.0011	3.2	6.6	9.8	< 0.2	< 1	3.5
0515 A	4/2/2002	< 0.005	0.09	< 0.05	15.3	< 0.1	0.23	< 0.001	< 0.1	0.0009	3.4	2.9	6.3	< 0.2	< 1	6
0515 A	7/10/2002	< 0.005	0.09	< 0.05	12.4	< 0.1	0.18	< 0.001	< 0.1	0.0013	3.6	6.8	10.4	< 0.2	< 1	8
0515 A	10/9/2002	< 0.005	0.08	< 0.05	13.3	< 0.1	0.2	< 0.001	< 0.1	0.002	3.5	3.1	6.6	< 0.2	< 1	9.3
0515 A	1/8/2003	< 0.005	0.09	< 0.05	14.8	< 0.1	0.21	< 0.001	< 0.1	0.0012	4.0	5.4	9.4	< 0.2	< 1	5.0
0515 A	4/9/2003	< 0.005	0.09	< 0.05	13.8	< 0.1	0.22	< 0.001	< 0.1	0.0011	3.3	7.0	10.3	< 0.2	< 1	3.5
0515 A	7/9/2003	< 0.005	0.09	< 0.05	15.7	< 0.1	0.26	< 0.001	< 0.1	0.0008	2.4	6.3	8.7	< 0.2	< 1	3.9
0515 A	10/8/2003	< 0.005	0.09	< 0.05	14.8	< 0.1	0.25	< 0.001	< 0.1	0.0014	2.2	2.5	4.7	< 0.2	< 1	5.3

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0516 A	7/23/1989	6918.70	4.2	4.08	12629	454	1519	399	9.29	0	8605	207	30.5	146	< 1	240	< 0.001	< 0.05
0516 A	10/12/1989	6918.50	4.4	4.22	11560	449	1343	358	13.6	0	6992	264	39.8	188	< 1	150	< 0.001	< 0.05
0516 A	1/10/1990	6917.80	4.4	4.31	10892	463	1281	409	11.7	< 0	6654	230	25	181	< 1	110	< 0.001	< 0.05
0516 A	4/6/1990	6917.40	4.5	4.27	11343	463	1300	379	12.1	< 0	6989	216	57.3	186	< 1	130	< 0.001	< 0.05
0516 A	7/3/1990	6916.40	4.2	4.28	11462	472	1212	359	10.2	< 0	7003	216	95.5	208	< 1	144	< 0.001	< 0.05
0516 A	10/9/1990	6915.60	4.6	4.51	10430	429	1243	416	13.3	0.1	6467	203	78	208	< 1	80.3	< 0.001	< 0.05
0516 A	1/15/1991	6915.10	4.6	4.5	10179	482	1207	436	19.4	< 0	5983	261	80.8	240	< 1	42.6	< 0.001	0.01
0516 A	4/2/1991	6914.40	4.9	4.99	10493	464	1250	387	13.4	25	6165	267	97.9	240	< 1	20.5	< 0.001	< 0.01
0516 A	7/17/1991	6913.80	4.8	5.75	9771	430	1097	390	12.8	100	6873	326	74	281	< 1	12.3	< 0.001	< 0.01
0516 A	9/4/1991	no data	no data	5.58	10598	444	1299	394	13.2	173	6936	215	144	59	< 1	8.6	< 0.001	< 0.01
0516 A	10/15/1991	6911.40	5.1	6.39	9878	450	1068	451	16.5	213	6047	275	99	234	< 1	4.18	< 0.001	< 0.01
0516 A	11/4/1991	no data	no data	5.88	10139	490	875	392	13.6	381	5597	299	113	135	1.7	5.84	< 0.001	< 0.01
0516 A	12/2/1991	no data	no data	6.35	9819	471	879	375	13.8	340	5046	259	132	147	1.3	3.2	< 0.001	< 0.01
0516 A	1/15/1992	6913.20	4.9	4.7	9588	403	1186	364	11.9	21.6	6079	241	201	93.5	1.2	22.2	< 0.001	0.01
0516 A	4/8/1992	6912.90	4.9	5.51	10129	444	669	395	15.1	83	6152	369	117	97.1	1.6	11.4	0.002	0.01
0516 A	7/8/1992	6912.40	4.8	6.21	9577	495	916	413	25.2	117	6065	234	129	119	1.4	6.56	< 0.001	< 0.01
0516 A	10/7/1992	6912.20	5	5.19	9800	492	1090	433	17.2	73.2	6244	229	80.1	15.9	1.3	29.3	0.001	< 0.01
0516 A	1/6/1993	6912.10	5.1	5.7	8137	502	889	398	15.5	168	5252	245	93.7	144	2.1	7.8	< 0.001	0.01
0516 A	4/6/1993	6911.80	5.4	6.26	9954	423	1037	456	13.7	250	6106	252	112	141	1.8	2.9	< 0.001	< 0.01
0516 A	7/13/1993	6911.20	5.6	6.48	9291	485	1102	401	14.4	421	5879	241	92.9	142	2.3	2	< 0.001	< 0.01
0516 A	10/7/1993	6910.50	5.8	6.16	9168	481	1109	417	13.3	348	5596	255	101	169	1.6	2.4	< 0.001	< 0.01
0516 A	1/6/1994	6910.70	5.7	6.26	10048	478	1044	445	12.7	477	5747	237	112	150	2.5	2.87	< 0.001	< 0.01
0516 A	4/12/1994	6910.20	5.8	6.52	9862	472	1121	413	14.6	610	5815	249	138	155	0.87	0.97	< 0.001	< 0.01
0516 A	7/20/1994	6906.80	6	6.96	10276	526	1293	389	17.6	953	6286	246	149	157	2.04	0.46	< 0.001	< 0.01
0516 A	10/4/1994	6909.50	6.2	7.37	10221	533	1221	488	17.2	949	6371	249	164	138	1.6	< 0.1	< 0.001	< 0.01
0516 A	1/4/1995	6909.10	6.1	7.01	10761	495	1245	458	19	939	6901	255	198	130	1.8	0.24	< 0.001	< 0.01
0516 A	4/5/1995	6908.80	6.1	6.36	10757	505	1275	478	20.7	1069	6510	255	180	133	1.3	0.12	< 0.001	< 0.01
0516 A	7/6/1995	6903.90	6.2	7.21	10428	491	1290	476	18.7	1302	6259	258	164	129	1.9	< 0.1	< 0.001	< 0.01
0516 A	10/3/1995	6903.70	6.1	7.44	10761	527	1298	450	19.4	1332	6394	238	178	126	1.72	< 0.1	0.001	< 0.01
0516 A	1/3/1996	6908.20	6.4	7.03	11314	469	1340	485	18.5	1302	6480	237	137	142	1.76	< 0.1	0.001	< 0.01
0516 A	4/2/1996	6904.10	6.4	7.29	11345	527	1530	491	19	1320	7150	259	152	146	2.09	< 0.1	0.002	< 0.01
0516 A	7/7/1996	6904.20	6.1	7.15	11529	465	1480	485	19.6	1309	6190	240	150	134	2.56	< 0.1	< 0.001	< 0.01
0516 A	10/1/1996	6903.80	6.4	6.93	11500	494	1600	485	18.9	1270	6640	247	149	128	2.13	< 0.1	< 0.001	< 0.01
0516 A	1/22/1997	6903.70	6.1	7.36	11200	510	1560	481	20.5	1420	6760	241	155	110	2.46	< 0.1	< 0.001	< 0.01
0516 A	4/8/1997	6902.20	6.3	7.57	11500	457	1320	484	19.7	1360	6500	258	136	126	2.06	< 0.1	< 0.001	< 0.01
0516 A	7/8/1997	6902.10	6.7	7.61	11700	528	1580	507	19.7	1360	7120	271	135	124	2.26	< 0.1	< 0.001	< 0.01
0516 A	10/7/1997	6901.40	6.3	7.45	11600	516	1480	480	18.4	1370	6530	258	132	106	2.5	< 0.1	< 0.001	< 0.01
0516 A	1/15/1998	6902.50	6.4	7.59	11600	474	1450	493	20.2	1370	7100	293	129	137	2.9	< 0.1	< 0.001	< 0.01
0516 A	4/7/1998	6901.40	6.2	7.39	11800	450	1310	469	18.2	1360	6220	230	141	116	3	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0516 A	7/23/1989	< 0.01	0.45	< 0.05	37	< 0.1	0.051	< 0.001	< 0.1	0.0023	13.6	8.3	21.9	< 0.2	2.9	53.8
0516 A	10/12/1989	< 0.01	0.4	0.12	29	< 0.01	0.41	0.01	< 0.1	0.005	2.9	18.5	21.4	< 0.2	1.8	2.5
0516 A	1/10/1990	< 0.01	0.42	< 0.05	25	< 0.1	0.35	< 0.001	< 0.1	0.003	2.9	4.8	7.7	< 0.2	< 1	3.5
0516 A	4/6/1990	< 0.01	0.35	< 0.05	27	< 0.1	0.34	< 0.001	< 0.1	0.004	3.7	2.9	6.6	< 0.2	< 1	4
0516 A	7/3/1990	< 0.01	0.25	< 0.05	28	< 0.1	0.45	0.001	< 0.1	0.0029	3.4	2.9	6.3	< 0.2	< 1	3
0516 A	10/9/1990	< 0.01	0.25	< 0.05	21.9	< 0.1	0.3	< 0.001	< 0.1	0.0035	3.3	4.6	7.9	< 0.2	< 1	4
0516 A	1/15/1991	< 0.01	0.24	< 0.05	20.6	< 0.1	0.32	< 0.001	< 0.1	0.0028	6.5	6.4	12.9	< 0.2	< 1	6.7
0516 A	4/2/1991	< 0.01	0.19	< 0.05	20.3	< 0.1	0.26	< 0.001	< 0.1	0.0003	6	6.8	12.8	< 0.2	3.3	6
0516 A	7/17/1991	< 0.01	0.22	< 0.05	18.7	< 0.1	0.27	0.002	< 0.1	0.001	2.3	3.1	5.4	< 0.2	< 1	2
0516 A	9/4/1991	< 0.01	0.21	< 0.05	17.7	< 0.1	0.32	0.001	< 0.1	0.0021	1.5	4.7	6.2	< 0.2	1.2	2
0516 A	10/15/1991	< 0.01	0.18	< 0.05	15.3	< 0.1	0.22	0.002	< 0.1	0.004	1.3	9.5	10.8	< 0.2	< 1	1
0516 A	11/4/1991	< 0.01	0.12	< 0.05	15.3	< 0.1	0.17	0.002	< 0.1	0.0157	2	8.3	10.3	< 0.2	2.3	2
0516 A	12/2/1991	< 0.01	0.14	< 0.05	11.6	< 0.1	0.19	< 0.001	< 0.1	0.0009	4	7.8	11.8	< 0.2	< 1	4
0516 A	1/15/1992	< 0.01	0.21	< 0.05	19.2	< 0.1	0.29	0.063	< 0.1	0.063	2.4	8.9	11.3	< 0.2	< 1	2
0516 A	4/8/1992	< 0.01	0.2	< 0.05	15.8	< 0.1	0.22	0.001	< 0.1	0.001	1.8	9.8	11.6	< 0.2	< 1	2
0516 A	7/8/1992	< 0.01	0.17	< 0.05	16.2	< 0.1	0.21	< 0.001	< 0.1	0.002	2.1	7.2	9.3	< 0.2	2.6	2.5
0516 A	10/7/1992	< 0.01	0.23	< 0.05	18	< 0.1	0.28	0.003	< 0.1	< 0.0003	4.1	5.9	10	< 0.2	3	4.6
0516 A	1/6/1993	< 0.01	0.41	< 0.05	16	< 0.1	0.37	0.009	< 0.1	0.005	3.5	3.6	7.1	< 0.2	< 1	3.9
0516 A	4/6/1993	< 0.01	0.14	< 0.05	13	< 0.1	0.21	0.001	< 0.1	0.004	1.8	1.4	3.2	< 0.2	2.6	2
0516 A	7/13/1993	< 0.01	0.13	< 0.05	10.3	< 0.1	0.17	0.005	< 0.1	0.003	1.5	4.2	5.7	< 0.2	3	2
0516 A	10/7/1993	< 0.01	0.18	< 0.05	12.4	< 0.1	0.22	0.002	< 0.1	0.007	3.7	4	7.7	< 0.2	< 1	4
0516 A	1/6/1994	< 0.01	0.11	< 0.05	10.2	< 0.1	0.15	< 0.001	< 0.1	0.001	3.6	1.5	5.1	< 0.2	< 1	6.8
0516 A	4/12/1994	< 0.01	0.08	< 0.05	7.8	< 0.1	0.14	0.001	< 0.1	0.003	2.9	5.5	8.4	< 0.2	1.5	11.3
0516 A	7/20/1994	< 0.01	0.05	< 0.05	4.95	< 0.1	0.08	< 0.001	< 0.1	0.011	3.8	3.1	6.9	< 0.2	< 1	8.6
0516 A	10/4/1994	< 0.01	< 0.01	< 0.05	5.22	< 0.1	< 0.05	0.001	< 0.1	0.013	4.3	< 1	4.3	< 0.2	3.4	4.5
0516 A	1/4/1995	< 0.01	0.04	< 0.05	4.74	< 0.1	0.08	< 0.001	< 0.1	0.01	1.4	2.9	4.3	< 0.2	2	5.9
0516 A	4/5/1995	< 0.01	< 0.01	< 0.05	3.74	< 0.1	< 0.05	0.001	< 0.1	0.016	1.4	2.2	3.6	< 0.2	3.1	4.9
0516 A	7/6/1995	< 0.01	< 0.01	< 0.05	2.7	< 0.1	< 0.05	0.003	< 0.1	0.0183	0.9	< 1	0.9	0.2	< 1	2
0516 A	10/3/1995	< 0.01	< 0.01	< 0.05	2.54	< 0.1	< 0.05	0.001	< 0.1	0.0256	1.3	< 1	1.3	< 0.2	< 1	2.5
0516 A	1/3/1996	< 0.01	< 0.01	< 0.05	2.34	< 0.1	< 0.05	< 0.001	< 0.1	0.014	1.1	1.4	2.5	< 0.2	1.7	2.7
0516 A	4/2/1996	< 0.01	< 0.01	< 0.05	2.1	< 0.1	< 0.05	< 0.001	< 0.1	0.014	0.8	< 1	0.8	< 0.2	< 1	1.4
0516 A	7/7/1996	< 0.01	< 0.01	< 0.05	2	< 0.1	< 0.05	< 0.001	< 0.1	0.018	0.7	< 1	0.7	< 0.2	< 1	< 1
0516 A	10/1/1996	< 0.01	0.02	< 0.05	2.2	< 0.1	< 0.05	0.002	< 0.1	0.013	0.9	< 1	0.9	< 0.2	< 1	< 1
0516 A	1/22/1997	< 0.01	< 0.01	< 0.05	1.79	< 0.1	< 0.05	< 0.001	< 0.1	0.016	1.2	3.2	4.4	< 0.2	< 1	< 1
0516 A	4/8/1997	< 0.01	< 0.01	< 0.05	1.77	< 0.1	< 0.05	0.078	< 0.1	0.016	1	4.2	5.2	< 0.2	< 1	< 1
0516 A	7/8/1997	< 0.01	< 0.01	< 0.05	1.8	< 0.1	< 0.05	< 0.001	< 0.1	0.015	0.8	< 1	0.8	< 0.2	< 1	< 1
0516 A	10/7/1997	< 0.01	0.02	< 0.05	1.83	< 0.1	< 0.05	< 0.001	< 0.1	0.015	1.2	< 1	1.2	< 0.2	< 1	< 1
0516 A	1/15/1998	< 0.005	< 0.01	< 0.05	2.03	< 0.1	< 0.05	< 0.001	< 0.1	0.023	1.1	< 1	1.1	< 0.2	< 1	< 1
0516 A	4/7/1998	< 0.005	< 0.01	< 0.05	1.61	< 0.1	< 0.05	< 0.001	< 0.1	0.019	1.2	< 1	1.2	< 0.2	< 1	< 1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0516 A	7/7/1998	6902.10	6.5	7.36	11800	491	1450	492	18.5	1380	6500	257	145	117	3	< 0.1	< 0.001	< 0.01
0516 A	10/6/1998	6902.10	6.25	7.66	11800	478	1460	514	20.7	1390	7000	256	140	132	2.9	< 0.1	< 0.001	< 0.01
0516 A	1/5/1999	6902.20	6.4	7.57	11900	421	1400	446	19.2	1350	7100	259	152	103	2.2	< 0.1	< 0.001	< 0.01
0516 A	4/6/1999	6902.40	6.3	7.28	11900	456	1480	461	17.7	1350	6840	246	137	118	1.8	< 0.1	< 0.001	< 0.01
0516 A	7/13/1999	6901.04	6.5	7.78	11900	485	1540	518	24.9	1370	6920	254	137	106	2.6	< 0.1	< 0.001	< 0.01
0516 A	10/5/1999	6900.00	6.4	7.71	11900	553	1770	458	18.5	1387	8030	261	143	111	2.7	< 0.1	< 0.001	< 0.01
0516 A	1/4/2000	6899.60	6.3	7.64	11700	459	1520	408	18.1	1290	6590	228	137	113	2.7	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0516 A	7/7/1998	< 0.005	0.02	< 0.05	1.59	< 0.1	< 0.05	< 0.001	< 0.1	0.0181	1.1	< 1	1.1	< 0.2	< 1	2.2
0516 A	10/6/1998	< 0.005	< 0.01	< 0.05	1.57	< 0.1	< 0.05	< 0.001	< 0.1	0.0211	1.1	1.6	2.7	< 0.2	< 1	< 1
0516 A	1/5/1999	< 0.005	< 0.01	< 0.05	1.66	< 0.1	< 0.05	< 0.001	< 0.1	0.0189	0.8	1.9	2.7	< 0.2	< 1	< 1
0516 A	4/6/1999	< 0.005	< 0.01	< 0.05	1.59	< 0.1	< 0.05	0.001	< 0.1	0.0197	0.7	3.4	4.1	< 0.2	< 1	< 1
0516 A	7/13/1999	< 0.005	< 0.01	< 0.05	1.67	< 0.1	< 0.05	< 0.001	< 0.1	0.0199	0.7	< 1	0.7	< 0.2	< 1	< 1
0516 A	10/5/1999	< 0.005	< 0.01	< 0.05	2.11	< 0.1	< 0.05	< 0.001	< 0.1	0.0218	0.7	< 1	0.7	< 0.2	< 1	1.4
0516 A	1/4/2000	< 0.005	0.02	< 0.05	2.37	< 0.1	< 0.05	0.001	< 0.1	0.0178	1.2	< 1	1.2	< 0.2	< 1	1.2

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0604	7/23/1989	6919.20	3.9	4.04	6697	454	707	251	11.6	0	3891	21.4	6.39	31	< 1	60	< 0.001	< 0.05
0604	10/12/1989	6919.10	3.9	4.11	6728	428	644	235	14.6	0	4407	33.7	6.05	39	< 1	66	< 0.001	< 0.05
0604	1/10/1990	6917.80	3.9	4.06	6602	444	691	291	13.7	< 0	4325	23.1	6.7	33	< 1	58	< 0.001	< 0.05
0604	4/5/1990	6917.20	4.2	4.2	6806	455	670	240	11.6	< 0	4352	33.4	6.8	43	< 1	59	< 0.001	< 0.05
0604	7/3/1990	6916.40	4	4.24	6824	461	662	240	9.6	< 0	4321	26.8	5.38	50.9	< 1	60	< 0.001	< 0.05
0604	10/3/1990	6915.80	4.1	4.11	6616	453	628	264	13.3	< 0	4290	31.1	3.27	44	< 1	77.2	< 0.001	< 0.05
0604	1/15/1991	6914.90	4.1	4.21	6802	475	710	265	15.2	< 0	4627	31.6	5.48	52	< 1	61.8	< 0.001	0.02
0604	4/2/1991	6914.60	4.2	4.51	6380	432	659	215	11.1	< 0	4923	33	4.6	56.5	< 1	45.3	< 0.001	0.016
0604	7/17/1991	6914.80	4	4.46	6949	408	624	218	11.1	< 0	5307	28.4	5.34	51.4	< 1	70.95	< 0.001	0.03
0604	9/4/1991	no data	no data	3.98	7438	444	715	251	11.4	< 0	5494	31	7.1	31.3	< 1	70.4	< 0.001	< 0.01
0604	10/15/1991	6914.30	3.9	4.26	6909	432	570	275	12.5	< 0	4502	34.7	7.86	47.3	< 1	58.6	< 0.001	0.03
0604	11/4/1991	no data	no data	4.09	7177	460	593	231	11.3	< 0	4396	50	5.4	13.3	< 1	0.13	< 0.001	0.02
0604	12/2/1991	no data	no data	4.3	7047	439	564	256	12.6	< 0	4052	52.8	4.12	30.5	< 1	62.5	< 0.001	< 0.01
0604	1/15/1992	6914.50	3.8	4.11	6837	414	702	222	10	< 0	4554	31.6	3.7	35.4	< 1	57.1	< 0.001	0.02
0604	4/8/1992	6914.40	3.8	4.24	7106	454	654	252	12.2	< 0	4691	40.8	3.75	41.4	< 1	52.4	0.003	0.02
0604	7/8/1992	6914.40	3.7	4.22	6654	495	610	285	12.3	< 0	4669	33.3	3.94	49.2	< 1	73.2	0.001	0.029
0604	10/7/1992	6914.20	4.1	4.04	7185	447	702	273	15.1	< 0	4860	35.5	3.8	15.7	< 1	66.2	< 0.001	< 0.01
0604	1/6/1993	6914.10	4.3	4.45	5855	411	642	236	12	< 0	4042	56.3	2.09	88.6	1.2	45.1	0.002	0.01
0604	4/6/1993	6914.00	4.4	4.36	7409	414	687	284	10.2	< 0	4639	62	1.83	89.1	< 1	45.5	< 0.001	0.022
0604	7/13/1993	6913.50	4.4	4.3	7711	449	816	265	11.9	< 0	4973	62.7	1.45	84.4	1	39.1	< 0.001	< 0.01
0604	10/6/1993	6913.30	4.5	4.24	6891	475	785	250	10.8	< 0	4744	47.6	1.07	91.8	< 1	30	< 0.001	0.017
0604	1/6/1994	6913.10	4.3	4.32	7520	450	691	243	10.3	< 0	4543	52.6	1.19	97.6	1.8	47.8	< 0.001	0.02
0604	4/12/1994	6912.80	4.4	4.39	7215	423	729	254	10.2	< 0	4838	51.6	2.7	90.7	< 1	39.4	< 0.001	0.02
0604	7/20/1994	6912.30	4.5	4.33	7069	491	856	232	11.2	< 0	4790	60.6	1.02	89.2	< 1	27.2	< 0.001	< 0.01
0604	10/4/1994	6912.40	4.5	4.38	7504	493	837	280	11.6	< 0	4935	60	1.61	92.5	< 1	41.8	< 0.001	< 0.01
0604	1/4/1995	6912.10	4.4	4.5	7621	490	835	256	12.5	< 0	5023	62.6	1.67	86.9	< 1	26.1	< 0.001	0.01
0604	4/5/1995	6911.90	4.5	4.5	7614	475	850	260	12	0.5	4870	53	1.97	92.5	< 1	30.5	< 0.001	< 0.01
0604	7/6/1995	6911.40	4.5	4.42	6741	455	760	260	11.5	< 0	4650	60.2	1.83	87.7	< 1	32	< 0.001	0.02
0604	10/3/1995	6911.50	4.6	4.49	7616	496	877	279	11.5	< 0	5010	58	1.19	87.6	< 1	25.1	0.002	< 0.01
0604	1/3/1996	6911.20	4.7	4.43	7223	440	827	277	11.8	< 0	4760	54.5	0.2	96.1	< 1	26.2	< 0.001	< 0.01
0604	4/2/1996	6911.30	4.7	4.58	7638	497	920	260	12	2.5	5180	64.2	0.15	100	< 1	22	< 0.001	< 0.01
0604	7/7/1996	6910.60	4.4	4.48	7742	452	816	262	12.4	< 0	4610	64.3	0.24	83.2	< 1	26.3	< 0.001	< 0.01
0604	10/1/1996	6910.30	4.8	4.52	7690	464	850	265	12.3	0.9	4708	57.9	0.36	88.7	< 1	24.9	< 0.001	< 0.01
0604	1/22/1997	6910.20	4.8	4.61	7560	441	897	262	12.4	3.9	4830	57	0.21	74.9	< 1	21.1	0.002	0.01
0604	4/8/1997	6909.90	4.6	4.56	7650	539	458	170	8	3	3370	45	0.19	87.9	< 1	< 0.1	< 0.001	< 0.01
0604	7/8/1997	6910.00	5.5	4.6	7740	496	904	275	12.9	3.4	5050	69.2	0.21	83.8	< 1	21.4	< 0.001	0.01
0604	10/7/1997	6909.60	4.5	4.63	7590	489	868	261	12.4	5.1	4790	62.1	0.38	77.3	< 1	21.9	< 0.001	0.01
0604	1/15/1998	6910.40	4.7	4.61	7530	474	847	271	13	2.9	5100	75.1	0.79	89.8	< 1	18.1	< 0.001	0.01
0604	4/7/1998	6909.70	4.5	4.73	7570	489	773	255	11.8	7.4	4300	60.9	0.35	87.4	< 1	16.9	< 0.001	0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0604	7/23/1989	<0.01	0.31	<0.05	22	<0.1	0.39	<0.001	<0.1	0.004	14.1	16.8	30.9	3.5	1.7	60.2
0604	10/12/1989	0.01	0.31	<0.05	22	<0.1	0.34	0.006	<0.1	0.006	4.5	11	15.5	33.9	<1	41.7
0604	1/10/1990	<0.01	0.33	<0.05	22	<0.1	0.38	<0.001	<0.1	0.005	5.1	8.5	13.6	1.7	2.8	6.5
0604	4/5/1990	<0.01	0.31	<0.05	19	<0.1	0.38	<0.001	<0.1	0.0006	5	9	14	<0.2	2.6	6
0604	7/3/1990	<0.01	0.21	<0.05	18.2	<0.1	0.34	<0.001	<0.1	0.0029	7.6	6.5	14.1	0.4	<1	8
0604	10/3/1990	<0.01	0.35	<0.05	22.7	<0.1	0.4	<0.001	<0.1	0.003	5.8	20.3	26.1	<0.2	<1	6
0604	1/15/1991	<0.01	0.39	<0.05	20.1	<0.1	0.44	<0.001	<0.1	0.007	8.2	13.8	22	<0.2	2.3	9.1
0604	4/2/1991	<0.01	0.23	<0.05	14.6	<0.1	0.38	<0.001	<0.1	0.005	9.1	24.3	33.4	<0.2	1.3	15
0604	7/17/1991	<0.01	0.3	<0.05	20.5	<0.1	0.41	<0.001	<0.1	0.006	4.3	12.5	16.8	<0.2	2.1	4
0604	9/4/1991	<0.01	0.39	<0.05	21	<0.1	0.45	0.001	<0.1	0.005	3.8	14.3	18.1	<0.2	<1	4
0604	10/15/1991	<0.01	0.36	<0.05	21.3	<0.1	0.41	<0.001	<0.1	0.06	3.9	20.6	24.5	<0.2	<1	4
0604	11/4/1991	<0.01	0.39	<0.05	15.1	<0.1	0.55	<0.001	<0.1	0.0059	4.1	16.9	21	<0.2	<1	4
0604	12/2/1991	<0.01	0.35	<0.05	19.6	<0.1	0.42	<0.001	<0.1	0.004	6.2	22.7	28.9	<0.2	<1	6
0604	1/15/1992	<0.01	0.34	<0.05	20.5	<0.1	0.41	0.013	<0.1	0.0601	3.9	20.6	24.5	<0.2	<1	4
0604	4/8/1992	<0.01	0.36	<0.05	17.8	<0.1	0.4	<0.001	<0.1	0.003	3.6	15.3	18.9	<0.2	1.2	3.8
0604	7/8/1992	<0.01	0.37	<0.05	21.8	<0.1	0.5	<0.001	<0.1	0.005	5.6	11.7	17.3	<0.2	3.4	3.8
0604	10/7/1992	<0.01	0.37	<0.05	19.9	<0.1	0.42	<0.001	<0.1	0.004	6.8	11.6	18.4	<0.2	1.9	6.9
0604	1/6/1993	<0.01	0.36	<0.05	14.5	<0.1	0.44	0.006	<0.1	0.009	5.7	7.6	13.3	<0.2	<1	6.1
0604	4/6/1993	<0.01	0.37	<0.05	14.5	<0.1	0.49	0.002	<0.1	0.006	3.3	12	15.3	<0.2	1.7	3.8
0604	7/13/1993	<0.01	0.35	<0.05	14.2	<0.1	0.62	0.002	<0.1	<0.0003	2.4	6.9	9.3	<0.2	3.1	3.2
0604	10/6/1993	<0.01	0.36	<0.05	13.5	<0.1	0.43	<0.001	<0.1	0.0059	5.6	2.3	7.9	<0.2	<1	9
0604	1/6/1994	<0.01	0.37	<0.05	13	<0.1	0.43	<0.001	<0.1	0.003	5.7	8.2	13.9	<0.2	2.3	18.9
0604	4/12/1994	<0.01	0.28	<0.05	14.1	<0.1	0.41	<0.001	<0.1	0.004	7.7	8	15.7	<0.2	2.3	24.9
0604	7/20/1994	<0.01	0.3	<0.05	9.63	<0.1	0.39	<0.001	<0.1	0.003	10	13	23	<0.2	<1	29.7
0604	10/4/1994	<0.01	0.4	<0.05	12.9	<0.1	0.57	<0.001	<0.1	0.006	5.2	5.4	10.6	<0.2	3.8	13.5
0604	1/4/1995	<0.01	0.32	<0.05	10.4	<0.1	0.42	<0.001	<0.1	0.004	5.1	7.7	12.8	<0.2	<1	16.8
0604	4/5/1995	<0.01	<0.01	<0.05	12	<0.1	0.5	<0.001	<0.1	0.004	5	7.6	12.6	<0.2	4	16.6
0604	7/6/1995	<0.01	0.35	<0.05	2.61	<0.1	0.4	<0.001	<0.1	0.0035	3.8	5.7	9.5	<0.2	<1	15.3
0604	10/3/1995	<0.01	0.32	<0.05	11.1	<0.1	0.38	0.031	<0.1	0.0046	5.3	17.1	22.4	<0.2	<1	15.5
0604	1/3/1996	<0.01	0.04	<0.05	12	<0.1	<0.05	0.031	<0.1	0.0034	3.1	2.2	5.3	<0.2	2.8	9
0604	4/2/1996	<0.01	0.32	<0.05	10.8	<0.1	0.36	<0.001	<0.1	<0.0003	2.1	6.9	9	<0.2	<1	5.3
0604	7/7/1996	<0.01	0.36	<0.05	12.7	<0.1	0.41	<0.001	<0.1	0.0034	2.5	<1	2.5	<0.2	<1	3.1
0604	10/1/1996	<0.01	0.35	<0.05	11.4	<0.1	0.42	0.002	<0.1	0.0011	2.3	7.4	9.7	<0.2	<1	3.3
0604	1/22/1997	<0.01	0.36	<0.05	11.4	<0.1	0.4	<0.001	<0.1	0.004	2.5	8.8	11.3	<0.2	<1	4.7
0604	4/8/1997	<0.01	<0.01	<0.05	1.87	<0.1	<0.05	0.038	<0.1	0.003	5.2	6.8	12	<0.2	<1	19.8
0604	7/8/1997	<0.01	0.35	<0.05	12.4	<0.1	0.38	<0.001	<0.1	0.003	2.3	7.2	9.5	<0.2	<1	4
0604	10/7/1997	<0.01	0.4	<0.05	12.6	<0.1	0.43	<0.001	<0.1	0.004	2.3	3.8	6.1	<0.2	<1	4.6
0604	1/15/1998	0.006	0.37	<0.05	11.8	<0.1	0.41	<0.001	<0.1	0.0032	2.1	6	8.1	<0.2	<1	3.1
0604	4/7/1998	0.007	0.34	<0.05	10.7	<0.1	0.39	<0.001	<0.1	0.0031	3.3	7	10.3	<0.2	<1	4.6

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0604	7/7/1998	6908.90	4.9	4.64	7600	471	860	274	12.5	4.1	4600	61.5	0.46	80.7	< 1	20.8	< 0.001	0.01
0604	10/6/1998	6908.90	4.55	4.63	7760	463	874	287	13.7	3.7	4860	61.6	0.78	89.3	< 1	18.7	< 0.001	0.01
0604	1/5/1999	6908.90	4.7	4.6	7830	420	851	257	12.7	3	5100	64.9	0.45	70.7	< 1	20.2	< 0.001	0.01
0604	4/6/1999	6908.40	4.6	4.69	7980	446	893	259	12.2	5	4740	62.7	0.83	92.4	< 1	20.4	< 0.001	0.01
0604	7/13/1999	6907.80	4.6	4.61	8030	479	964	292	16.3	3	5120	55.3	0.57	73.2	< 1	15.7	< 0.001	0.01
0604	10/5/1999	6908.60	4.42	4.64	8150	523	1120	280	12.5	4	6000	50.9	0.53	58.6	< 1	27	< 0.001	< 0.01
0604	1/4/2000	6908.20	4.6	4.64	8180	397	883	231	12.8	4	4500	41.9	0.24	67.9	< 1	20	< 0.001	0.01
0604	5/3/2000	6909.00	4.6	4.75	7500	416	808	264	14.2	6	4300	56.5	0.13	84.6	1.4	6.5	< 0.001	< 0.01
0604	7/11/2000	6908.80	4.57	4.67	7380	460	837	258	11.9	5	4470	53.7	0.33	90.2	2.4	14.5	< 0.001	0.01
0604	10/3/2000	6908.90	4.68	4.69	7220	455	830	247	13	6	4250	48.3	0.23	84.9	4.2	10.5	< 0.001	< 0.01
0604	1/10/2001	6909.00	4.94	4.74	7280	450	790	222	11.6	7	4390	61.7	0.23	75.9	2.5	14	< 0.001	< 0.01
0604	4/3/2001	6908.90	4.8	4.77	7260	533	916	229	11.3	8	4730	57.9	0.28	75.8	4.1	12.8	< 0.001	< 0.01
0604	7/17/2001	6908.45	4.89	4.73	7470	424	782	246	12.5	7	4270	66.9	0.47	73.1	2.8	14.1	< 0.001	< 0.01
0604	10/2/2001	6908.50	4.78	4.7	7420	440	820	217	12.8	4.9	4100	77.8	0.27	70	3	12.5	< 0.001	< 0.01
0604	1/14/2002	6908.40	4.86	4.8	7390	516	882	235	13.6	6.7	4540	67.5	0.13	66	3	15.3	< 0.001	0.01
0604	4/9/2002	6908.10	4.7	4.73	7500	446	790	261	12.2	6.7	4390	58.1	0.23	70.1	< 1	13.2	< 0.001	< 0.01
0604	7/16/2002	6908.02	4.84	4.78	7500	439	805	271	13.5	6.7	4460	65	0.66	71.7	< 1	11.4	< 0.001	< 0.01
0604	10/9/2002	6907.87	5.36	4.79	5790	431	775	258	11.4	7.3	4380	56.5	0.64	68.6	3.2	14.6	< 0.001	< 0.01
0604	1/8/2003	6908.03	5.2	4.76	7440	423	783	230	10.7	6.7	4250	48.4	0.88	61	3.8	12.9	< 0.001	< 0.01
0604	4/14/2003	6908.00	4.73	4.64	7360	454	860	293	15.3	6.7	4690	55.8	0.78	71	< 1	11.8	< 0.001	< 0.01
0604	7/9/2003	6907.72	4.63	4.75	7470	440	794	261	13.3	6.7	4500	57.7	1.08	66	2.4	11.7	< 0.001	< 0.01
0604	10/8/2003	6907.76	4.72	4.79	7450	427	714	268	10.6	8.5	4320	50.5	0.74	68	2.8	13.7	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0604	7/7/1998	0.006	0.36	< 0.05	12.5	< 0.1	0.41	< 0.001	< 0.1	0.0031	1.6	4.3	5.9	< 0.2	< 1	3.7
0604	10/6/1998	0.006	0.37	< 0.05	12	< 0.1	0.45	< 0.001	< 0.1	0.0078	2.4	4.1	6.5	< 0.2	3.4	3.4
0604	1/5/1999	0.011	0.37	< 0.05	12.8	< 0.1	0.4	< 0.001	< 0.1	0.0033	2.4	7.4	9.8	< 0.2	4.3	4.3
0604	4/6/1999	0.015	0.41	< 0.05	12.6	< 0.1	0.44	< 0.001	< 0.1	0.0034	4	7.8	11.8	< 0.2	3.2	3.2
0604	7/13/1999	0.009	0.42	< 0.05	14	< 0.1	0.62	< 0.001	< 0.1	0.0071	3	5.2	8.2	< 0.2	3.7	3.7
0604	10/5/1999	0.015	0.53	< 0.05	16.1	< 0.1	0.46	< 0.001	< 0.1	0.0033	2.5	2.9	5.4	< 0.2	< 1	4.3
0604	1/4/2000	0.01	0.38	< 0.05	11.2	< 0.1	0.46	< 0.001	< 0.1	0.0032	2.3	6	8.3	< 0.2	< 1	4.7
0604	5/3/2000	0.022	0.23	< 0.05	8.81	< 0.1	0.26	< 0.001	< 0.1	0.0027	4.3	6.6	10.9	< 0.2	< 1	4.8
0604	7/11/2000	0.011	0.31	< 0.05	10.1	< 0.1	0.31	< 0.001	< 0.1	0.0022	2.5	6	8.5	< 0.2	< 1	4.2
0604	10/3/2000	0.005	0.26	< 0.05	8.17	0.23	0.25	< 0.001	< 0.1	0.002	1.9	7.5	9.4	< 0.2	< 1	4.3
0604	1/10/2001	< 0.005	0.29	< 0.05	9.38	< 0.1	0.35	< 0.001	< 0.1	0.0019	2.1	7.6	9.7	< 0.2	< 1	3.2
0604	4/3/2001	< 0.005	0.32	< 0.05	9.52	< 0.1	0.39	< 0.001	< 0.1	0.0018	1.9	7.1	9	< 0.2	< 1	3.9
0604	7/17/2001	< 0.005	0.29	< 0.05	9.9	< 0.1	0.36	< 0.001	< 0.1	0.002	2.2	6	8.2	< 0.2	< 1	4.1
0604	10/2/2001	< 0.005	0.26	< 0.05	9.45	< 0.1	0.35	< 0.001	< 0.1	0.0014	3.9	7.6	11.5	< 0.2	< 1	4.3
0604	1/14/2002	0.006	0.32	< 0.05	11	< 0.1	0.4	< 0.001	< 0.1	0.0016	2.9	9.3	12.2	< 0.2	< 1	4.5
0604	4/9/2002	0.007	0.33	< 0.05	11.2	< 0.1	0.4	< 0.001	< 0.1	0.0016	2.6	4.5	7.1	< 0.2	< 1	3.3
0604	7/16/2002	< 0.005	0.28	< 0.05	10.4	< 0.1	0.28	< 0.001	< 0.1	< 0.0003	2.9	3.5	6.4	< 0.2	< 1	5.3
0604	10/9/2002	< 0.005	0.26	< 0.05	9.67	< 0.1	0.3	< 0.001	< 0.1	0.0018	3.3	5.6	8.9	< 0.2	< 1	9.6
0604	1/8/2003	0.006	0.29	< 0.05	10.9	< 0.1	0.32	< 0.001	< 0.1	0.0019	3.6	6.8	10.4	< 0.2	< 1	4.7
0604	4/14/2003	< 0.005	0.26	< 0.05	9.91	< 0.1	0.28	< 0.001	< 0.1	0.0019	2.8	15.3	18.1	< 0.2	< 1	8.4
0604	7/9/2003	0.006	0.29	< 0.05	11.9	< 0.1	0.32	< 0.001	< 0.1	0.0008	1.8	8.2	10	< 0.2	< 1	4.0
0604	10/8/2003	< 0.005	0.31	< 0.05	11.3	< 0.1	0.34	< 0.001	< 0.1	0.0023	1.4	3.5	4.9	< 0.2	< 1	5.8

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0614	7/23/1989	6929.30	6.6	6.84	6868	697	672	491	9.8	1501	3485	381	51	99	82	< 0.1	< 0.001	< 0.05
0614	10/12/1989	6929.00	6.5	6.98	6734	624	612	479	11.6	1540	3002	377	38.6	126	59	0.18	< 0.001	< 0.05
0614	1/10/1990	6928.00	6.4	6.8	6892	609	640	491	10.6	1586	3121	359	69	108	100	< 0.1	< 0.001	< 0.05
0614	4/5/1990	6927.50	6.4	7.06	6877	622	680	492	11.2	1632	3277	350	94	107	164	< 0.1	< 0.001	< 0.05
0614	7/3/1990	6926.60	6.3	6.86	6754	640	619	429	10.9	1492	2996	341	111	151	152	0.13	< 0.001	< 0.05
0614	10/3/1990	6926.30	6.3	7.23	6567	585	577	507	14.1	1362	2894	334	76.6	106	176	0.1	0.005	< 0.05
0614	1/15/1991	6926.40	6.4	6.96	6633	647	623	478	9.6	1412	3253	322	68	125	170	0.2	< 0.001	< 0.01
0614	4/2/1991	6926.20	6.4	7.18	6539	619	495	420	10.1	1257	3165	322	78.3	131	254	0.11	< 0.001	< 0.01
0614	7/17/1991	6925.90	6.4	7.49	6970	573	551	443	9.7	1680	3645	327	69.4	169	380	< 0.1	< 0.001	< 0.01
0614	9/4/1991	no data	no data	6.94	7610	624	634	446	10.3	1629	4105	303	116	83.2	486	0.22	< 0.001	< 0.01
0614	10/15/1991	6925.30	6.3	7.15	7145	664	526	418	10	1515	3239	313	53.8	119	361	< 0.1	0.001	< 0.01
0614	11/4/1991	no data	no data	6.97	7026	614	490	436	10.5	1516	3449	308	87.3	97.6	464	0.32	< 0.001	< 0.01
0614	12/2/1991	no data	no data	7.38	7264	610	559	425	10.7	1577	3197	287	79.5	133	400	0.42	< 0.001	< 0.01
0614	1/15/1992	6925.20	6.3	7.34	7026	584	645	449	10.1	1268	3376	287	94.9	123	525	< 0.1	< 0.001	< 0.01
0614	4/8/1992	6925.10	6.3	7.48	7207	691	601	486	10.8	1568	3603	279	101	70.2	471	< 0.1	0.003	< 0.01
0614	7/8/1992	6924.80	6.2	7.51	6583	697	496	640	11.3	1512	3249	274	79.8	116	303	< 0.1	0.001	< 0.01
0614	10/7/1992	6924.70	6.4	8.08	6914	661	577	566	12.9	803	3248	273	48.6	15.8	426	0.1	< 0.001	< 0.01
0614	1/6/1993	6924.50	6.4	7.04	6464	626	563	487	10.8	1459	3008	270	86.1	117	527	< 0.1	< 0.001	< 0.01
0614	4/6/1993	6924.40	6.5	7.26	7340	616	607	521	10.1	1620	3518	288	97.4	47.5	400	< 0.1	< 0.001	< 0.01
0614	7/13/1993	6923.90	6.5	7.11	7485	651	607	506	10.7	1454	3370	262	103	146	553	< 0.1	< 0.001	< 0.01
0614	10/6/1993	6923.60	6.7	6.95	7439	642	660	476	10.8	1431	3505	244	105	166	667	< 0.1	< 0.001	< 0.01
0614	1/6/1994	6923.40	6.7	7.14	7380	594	565	485	10	1221	3435	242	91.4	192	617	< 0.1	< 0.001	< 0.01
0614	4/12/1994	6923.10	6.6	6.96	7496	576	650	446	11.5	1174	3743	242	142	170	866	< 0.1	< 0.001	< 0.01
0614	7/20/1994	6922.70	6.5	7.28	7490	641	748	425	13.5	1322	4076	231	140	140	799	< 0.1	< 0.001	< 0.01
0614	10/4/1994	6922.60	6.6	7.54	7700	642	750	519	14.4	1465	4430	246	170	149	829	< 0.1	< 0.001	< 0.01
0614	1/4/1995	6922.30	6.5	7.38	7528	606	636	446	15.2	1330	4176	237	213	155	520	< 0.1	< 0.001	< 0.01
0614	4/4/1995	6922.00	6.5	6.9	7731	604	654	451	15	1370	4048	277	183	171	756	< 0.1	< 0.001	< 0.01
0614	7/6/1995	6922.40	6.5	7.93	7816	565	685	440	15.4	1331	4000	241	227	154	585	< 0.1	< 0.001	< 0.01
0614	10/3/1995	6921.30	6.5	7.71	7857	560	690	445	16	1357	4040	205	222	179	638	< 0.1	0.003	< 0.01
0614	1/3/1996	6921.10	6.6	7.2	7886	543	750	470	17.7	1352	4260	204	234	179	583	< 0.1	0.002	< 0.01
0614	4/2/1996	6920.60	6.5	7.92	7896	605	852	442	17.2	1286	4780	221	262	182	624	< 0.1	0.003	< 0.01
0614	7/7/1996	6920.30	6.3	6.99	8045	537	750	432	18.5	1313	4210	238	243	181	587	< 0.1	< 0.001	< 0.01
0614	10/1/1996	6919.70	6.5	6.89	8120	574	805	436	18.4	1320	4394	223	288	189	598	0.6	< 0.001	< 0.01
0614	1/21/1997	6919.80	6	7.01	7850	555	800	437	18.8	1272	4355	201	290	188	635	< 0.1	< 0.001	< 0.01
0614	4/8/1997	6919.00	6.6	7.79	7970	531	760	428	18.7	1280	4360	218	271	226	482	< 0.1	< 0.001	< 0.01
0614	7/8/1997	6918.60	6.8	7.81	8100	594	841	449	18.6	1290	4520	233	264	223	444	< 0.1	< 0.001	< 0.01
0614	10/7/1997	6918.30	6.4	7.62	7930	602	816	420	16.9	1320	4170	252	253	200	461	< 0.1	< 0.001	< 0.01
0614	1/15/1998	6917.80	6.9	8.01	7980	558	775	446	17	1330	4200	267	225	214	289	< 0.1	< 0.001	< 0.01
0614	4/7/1998	6917.70	6.8	7.72	7930	516	739	447	14	1440	3740	218	170	162	377	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0614	7/23/1989	<0.01	<0.01	<0.05	0.13	<0.1	<0.05	0.003	<0.1	0.0624	2.9	3.4	6.3	0.6	<1	8.9
0614	10/12/1989	<0.01	<0.01	<0.05	0.08	<0.01	<0.05	0.02	<0.1	0.064	0.6	4.9	5.5	<0.2	2.1	1.5
0614	1/10/1990	0.01	<0.01	<0.05	0.06	<0.1	<0.05	0.002	<0.1	0.064	0.6	<1	0.6	<0.2	<1	0.9
0614	4/5/1990	<0.01	<0.01	<0.05	0.09	<0.1	<0.05	0.003	<0.1	0.045	1	<1	1	<0.2	<1	1.7
0614	7/3/1990	<0.01	<0.01	<0.05	0.07	<0.1	<0.05	0.002	<0.1	0.0611	0.9	1.6	2.5	<0.2	<1	<1
0614	10/3/1990	<0.01	<0.01	<0.05	0.08	<0.1	<0.05	<0.001	<0.1	0.036	0.4	3	3.4	<0.2	<1	<1
0614	1/15/1991	<0.01	<0.01	<0.05	0.09	<0.1	<0.05	0.001	<0.1	0.0425	1.9	<1	1.9	<0.2	1.3	2.3
0614	4/2/1991	<0.01	<0.02	<0.05	0.08	<0.1	<0.05	<0.002	<0.1	0.0589	2.7	1.8	4.5	2.2	1.3	3
0614	7/17/1991	<0.01	<0.01	<0.05	0.1	<0.1	<0.05	0.002	<0.1	0.064	0.5	<1	0.5	<0.2	<1	<1
0614	9/4/1991	<0.01	0.03	<0.05	0.17	<0.1	<0.05	0.002	<0.1	0.0631	0.5	5.4	5.9	<0.2	<1	<1
0614	10/15/1991	<0.01	<0.01	<0.05	0.11	<0.1	<0.05	0.003	<0.1	0.076	0.6	5.5	6.1	<0.2	<1	<1
0614	11/4/1991	<0.01	0.04	<0.05	0.18	<0.1	<0.1	0.002	<0.1	0.0472	0.9	3.7	4.6	<0.2	<1	<1
0614	12/2/1991	<0.01	0.02	<0.05	0.15	<0.1	0.06	0.002	<0.1	0.05	1.2	1.3	2.5	<0.2	<1	1
0614	1/15/1992	<0.01	<0.01	<0.05	0.12	<0.1	<0.05	0.059	<0.1	0.039	0.4	<1	0.4	<0.2	<1	<1
0614	4/8/1992	<0.01	<0.01	<0.05	0.14	<0.1	<0.05	0.004	<0.1	0.051	0.8	4	4.8	<0.2	<1	<1
0614	7/8/1992	<0.01	<0.01	<0.05	0.17	<0.1	<0.05	0.003	<0.1	0.05	1	3.4	4.4	<0.2	<1	1.1
0614	10/7/1992	<0.01	<0.01	<0.05	0.15	<0.1	<0.05	0.005	<0.1	0.078	1.5	4.1	5.6	<0.2	1.9	1.8
0614	1/6/1993	<0.01	<0.01	<0.05	0.19	<0.1	<0.05	0.012	<0.1	0.082	3.7	1.4	5.1	<0.2	<1	3.9
0614	4/6/1993	<0.01	<0.01	<0.05	0.24	<0.1	<0.05	0.003	<0.1	0.072	1.9	5.1	7	<0.2	<1	2.1
0614	7/13/1993	<0.01	<0.01	<0.05	0.16	<0.1	<0.05	0.008	<0.1	0.066	1.6	3.2	4.8	<0.2	2.3	1.9
0614	10/6/1993	<0.01	0.02	<0.05	0.17	<0.1	<0.05	0.002	<0.1	0.037	2.8	<1	2.8	<0.2	1.8	2.9
0614	1/6/1994	<0.01	<0.01	<0.05	0.17	<0.1	<0.05	<0.001	<0.1	0.048	1.6	<1	1.6	<0.2	<1	2.6
0614	4/12/1994	<0.01	<0.01	<0.05	0.21	<0.1	<0.05	0.004	<0.1	0.052	1.5	<1	1.5	<0.2	5.2	1.7
0614	7/20/1994	<0.01	<0.01	<0.05	0.24	<0.1	<0.05	0.001	<0.1	0.054	2.8	1.9	4.7	<0.2	<1	3.8
0614	10/4/1994	<0.01	<0.01	<0.05	0.41	<0.1	<0.05	<0.001	<0.1	0.059	1.2	1.8	3	<0.2	<1	4.1
0614	1/4/1995	<0.01	<0.01	<0.05	0.23	<0.1	<0.05	<0.001	<0.1	0.04	1.8	2.4	4.2	<0.2	<1	5.6
0614	4/4/1995	<0.01	<0.01	<0.05	0.33	<0.1	<0.05	0.001	<0.1	0.044	1.2	2.9	4.1	<0.2	<1	5.7
0614	7/6/1995	<0.01	<0.01	<0.05	0.3	<0.1	<0.05	0.003	<0.1	0.052	7.2	8.4	15.6	0.5	<1	22.8
0614	10/3/1995	<0.01	<0.01	<0.05	0.31	<0.1	<0.05	<0.001	<0.1	0.045	0.9	1.1	2	<0.2	1.7	6.2
0614	1/3/1996	<0.01	<0.01	<0.05	0.35	<0.1	<0.05	<0.001	<0.1	0.047	6	1.2	7.2	0.7	1.5	12
0614	4/2/1996	<0.01	<0.01	<0.05	0.32	<0.1	<0.05	<0.001	<0.1	0.05	1.2	3.4	4.6	<0.2	<1	3.5
0614	7/7/1996	<0.01	<0.01	<0.05	0.37	<0.1	<0.05	<0.001	<0.1	0.053	4.9	<1	4.9	<0.2	<1	5.3
0614	10/1/1996	<0.01	<0.01	<0.05	0.41	<0.1	<0.05	0.002	<0.1	0.044	1.6	<1	1.6	<0.2	<1	2.1
0614	1/21/1997	<0.01	<0.01	<0.05	0.41	<0.1	<0.05	<0.001	<0.1	0.038	1.1	3.6	4.7	<0.2	<1	<1
0614	4/8/1997	<0.01	<0.01	<0.05	0.39	<0.1	<0.05	0.074	<0.1	0.049	8.2	3.2	11.4	<0.2	<1	20.4
0614	7/8/1997	<0.01	<0.01	<0.05	0.42	<0.1	<0.05	<0.001	<0.1	0.043	1.5	<1	1.5	<0.2	<1	<1
0614	10/7/1997	<0.01	<0.01	<0.05	0.47	<0.1	<0.05	<0.001	<0.1	0.051	4.3	3.8	8.1	<0.2	<1	7.8
0614	1/15/1998	<0.005	<0.01	<0.05	0.44	<0.1	<0.05	<0.001	<0.1	0.059	1.4	<1	1.4	<0.2	<1	<1
0614	4/7/1998	<0.005	<0.01	<0.05	0.32	<0.1	<0.05	<0.001	<0.1	0.06	2.2	<1	2.2	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
0614	7/7/1998	6917.10	6.8	7.96	7990	579	823	466	14	1490	3800	261	171	202	392	< 0.1	< 0.001	< 0.01
0614	10/6/1998	6916.90	7.16	7.87	7730	563	822	496	12.2	1380	4050	261	100	115	176	< 0.1	< 0.001	< 0.01
0614	1/5/1999	6916.20	6.9	7.86	7900	551	786	434	9.9	1520	4000	262	81.2	85.5	255	< 0.1	< 0.001	< 0.01
0614	4/6/1999	6916.20	6.7	7.9	7910	552	844	436	10.2	1590	3780	261	71.5	81.3	258	< 0.1	< 0.001	< 0.01
0614	7/13/1999	6915.51	7	7.73	7680	605	891	439	12.7	1280	4000	239	58.1	90.7	188	< 0.1	< 0.001	< 0.01
0614	10/5/1999	6915.30	6.8	7.84	7710	632	961	430	10.8	1362	4410	248	58	83	278	< 0.1	< 0.001	< 0.01
0614	1/4/2000	6915.10	6.8	8.07	7650	510	770	358	11.5	1470	3430	217	65.1	97.4	226	< 0.1	< 0.001	< 0.01
0614	5/2/2000	6914.60	6.5	7.56	7600	514	784	405	15.7	1450	3620	236	87	114	383	< 0.1	< 0.001	< 0.01
0614	7/11/2000	6914.40	6.53	7.53	7600	560	830	426	13.8	1430	3760	229	93.1	109	215	< 0.1	< 0.001	< 0.01
0614	10/3/2000	6914.15	6.55	7.04	7420	548	849	421	17.9	1420	4250	241	98.4	104	174	< 0.1	0.001	< 0.01
0614	1/10/2001	6914.00	7.1	7.38	7380	531	762	349	14.7	1440	3720	268	107	93.3	199	< 0.1	< 0.001	< 0.01
0614	4/2/2001	6913.70	6.635	7.28	7350	615	855	354	14.3	1420	3880	248	118	101	258	< 0.1	< 0.001	< 0.01
0614	7/16/2001	6913.35	6.73	7.02	7330	507	722	415	17.3	1430	3300	320	116	96.9	260	< 0.1	< 0.001	< 0.01
0614	10/2/2001	6913.20	6.61	7.5	7270	520	720	330	16.2	1500	3300	357	118	93.5	183	< 0.1	< 0.001	< 0.01
0614	1/14/2002	6913.00	6.64	7.3	7110	602	751	356	16.7	1490	3460	332	123	86.7	230	< 0.1	< 0.001	< 0.01
0614	4/2/2002	6912.90	6.56	7.6	7120	603	730	427	16.8	1460	3780	312	119	82.7	222	< 0.1	< 0.001	< 0.01
0614	7/10/2002	6912.40	6.45	7.31	6980	577	599	413	14	1430	3360	286	100	82	222	< 0.1	< 0.001	< 0.01
0614	10/9/2002	6912.30	6.05	7.66	5220	520	621	400	12.4	1440	3080	286	87	79.2	228	< 0.1	< 0.001	< 0.01
0614	1/8/2003	6912.06	7.23	7.60	6680	519	598	465	12.1	1470	3020	247	81	74	222	< 0.1	< 0.001	< 0.01
0614	4/9/2003	6911.76	6.44	7.13	6840	559	640	434	16.5	1450	2918	334	76	72	248	< 0.1	< 0.001	< 0.01
0614	7/9/2003	6911.61	6.29	7.38	6430	559	609	467	12.0	1430	3060	314	58	73	285	< 0.1	< 0.001	< 0.01
0614	10/8/2003	6911.63	6.28	7.32	6670	579	576	460	9.8	1330	3060	312	50	71	192	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
0614	7/7/1998	< 0.005	< 0.01	< 0.05	0.34	< 0.1	< 0.05	< 0.001	< 0.1	0.0631	2.3	< 1	2.3	< 0.2	< 1	2.3
0614	10/6/1998	< 0.005	< 0.01	< 0.05	0.26	< 0.1	< 0.05	< 0.001	< 0.1	0.0732	0.6	< 1	0.6	< 0.2	< 1	< 1
0614	1/5/1999	< 0.005	< 0.01	< 0.05	0.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0682	0.9	2.2	3.1	< 0.2	< 1	< 1
0614	4/6/1999	< 0.005	< 0.01	< 0.05	0.26	< 0.1	< 0.05	0.001	< 0.1	0.0641	2.9	3.6	6.5	< 0.2	3.3	3.3
0614	7/13/1999	< 0.005	< 0.01	< 0.05	0.23	< 0.1	< 0.05	0.001	< 0.1	0.0672	0.9	1.2	2.1	< 0.2	< 1	< 1
0614	10/5/1999	< 0.005	< 0.01	< 0.05	0.25	< 0.1	< 0.05	< 0.001	< 0.1	0.001	4.8	< 1	4.8	< 0.2	< 1	6.8
0614	1/4/2000	< 0.005	< 0.01	< 0.05	0.24	< 0.1	< 0.05	0.001	< 0.1	0.0579	3.8	1.1	4.9	< 0.2	< 1	4.3
0614	5/2/2000	< 0.005	< 0.01	< 0.05	0.34	< 0.1	< 0.05	< 0.001	< 0.1	0.0678	1.1	5.7	6.8	< 0.2	< 1	7
0614	7/11/2000	< 0.005	< 0.01	< 0.05	0.22	< 0.1	< 0.05	< 0.001	< 0.1	0.0542	0.6	3.5	4.1	< 0.2	< 1	< 1
0614	10/3/2000	< 0.005	< 0.01	< 0.05	0.2	< 0.1	< 0.05	< 0.001	< 0.1	0.053	0.7	3.7	4.4	< 0.2	< 1	< 1
0614	1/10/2001	< 0.005	< 0.01	< 0.05	0.24	< 0.1	< 0.05	0.001	< 0.1	0.051	1.2	3.9	5.1	< 0.2	< 1	< 1
0614	4/2/2001	< 0.005	< 0.01	< 0.05	0.27	< 0.1	< 0.05	0.001	< 0.1	0.056	0.8	< 1	0.8	< 0.2	< 1	< 1
0614	7/16/2001	< 0.005	< 0.01	< 0.05	0.24	< 0.1	< 0.05	0.001	< 0.1	0.052	0.6	2.4	3	< 0.2	< 1	< 1
0614	10/2/2001	< 0.005	< 0.01	< 0.05	0.22	< 0.1	< 0.05	0.001	< 0.1	0.0478	0.9	3.9	4.8	< 0.2	< 1	< 1
0614	1/14/2002	< 0.005	< 0.01	< 0.05	0.28	< 0.1	< 0.05	0.003	< 0.1	0.0501	1.1	5.4	6.5	< 0.2	< 1	< 1
0614	4/2/2002	< 0.005	< 0.01	< 0.05	0.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0467	< 0.2	< 1	ND	< 0.2	< 1	1.5
0614	7/10/2002	< 0.005	< 0.01	< 0.05	0.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0508	1.1	2.3	3.4	< 0.2	< 1	2.2
0614	10/9/2002	< 0.005	< 0.01	< 0.05	0.32	< 0.1	< 0.05	< 0.001	< 0.1	0.0439	0.9	< 1	0.9	< 0.2	< 1	1.3
0614	1/8/2003	< 0.005	< 0.01	< 0.05	0.25	< 0.1	< 0.05	< 0.001	< 0.1	0.0573	1.2	< 1	1.2	< 0.2	< 1	2.1
0614	4/9/2003	< 0.005	< 0.01	< 0.05	0.22	< 0.1	< 0.05	< 0.001	< 0.1	0.0536	< 0.2	4	4	< 0.2	< 1	1.6
0614	7/9/2003	< 0.005	< 0.01	< 0.05	0.25	< 0.1	< 0.05	< 0.001	< 0.1	0.0403	0.5	< 1	0.5	< 0.2	< 1	< 1.0
0614	10/8/2003	< 0.005	< 0.01	< 0.05	0.24	< 0.1	< 0.05	< 0.001	< 0.1	0.0468	0.6	2.9	3.5	< 0.2	< 1	2.0

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 02	7/26/1989	6843.90	6.8	6.8	3959	526	275	267	8.9	256	2463	32.1	0.89	0.01	< 1	0.37	< 0.001	< 0.05
EPA 02	10/5/1989	6844.30	6.4	7	4088	528	264	268	11.7	262	2589	29.7	0.89	0.08	< 1	< 0.1	< 0.001	< 0.05
EPA 02	1/17/1990	6844.80	6.2	6.62	3622	446	216	265	8.2	293	2197	29.3	0.77	0.12	< 1	< 0.1	0.001	< 0.05
EPA 02	4/18/1990	6845.00	6.5	6.8	3704	440	220	250	7.8	293	2173	30.3	0.88	0.03	< 1	< 0.1	< 0.001	< 0.05
EPA 02	7/17/1990	6844.90	6.6	6.7	3623	479	208	253	8.5	305	2104	28.8	0.51	0.05	< 1	< 0.1	< 0.001	< 0.05
EPA 02	10/16/1990	6845.10	6.4	7.17	3965	445	230	259	7.5	259	2462	36.2	0.79	0.01	< 1	< 0.1	< 0.001	< 0.05
EPA 02	1/8/1991	6845.30	6.5	6.85	3834	451	236	263	11	264	2388	35.6	0.76	0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/17/1991	6845.80	6.3	7.37	3708	452	238	268	7.6	284	2300	24.6	0.67	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/3/1991	6846.00	6.4	6.83	4500	523	285	230	7.8	183	3175	38.1	1.07	< 0.01	< 1	0.3	< 0.001	< 0.01
EPA 02	10/22/1991	6846.50	6.4	6.59	3843	475	244	242	7.7	275	2435	34.4	0.96	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/23/1992	6846.70	6.5	7.02	3478	455	235	229	7.4	226	2364	32.6	0.88	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/2/1992	6847.10	6.4	7.86	3799	483	243	279	8.4	282	2486	29.5	0.92	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/16/1992	6846.50	6.5	6.71	3885	412	224	290	9	237	2606	33.4	0.58	0.2	< 1	0.13	< 0.001	< 0.01
EPA 02	10/15/1992	6846.70	6.3	7.02	4554	580	300	286	10.6	198	2890	36.1	0.92	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/14/1993	6847.00	6.6	7.12	3380	436	196	213	8.3	276	2201	29	0.88	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/15/1993	6847.50	6.6	7.68	3534	455	186	255	6.3	270	2292	30.4	0.67	0.2	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/21/1993	6848.20	6.6	7.43	3321	458	207	256	8	315	2247	24.3	0.4	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/12/1993	6845.50	6.7	6.5	3692	498	222	231	7.2	300	2274	29.6	0.57	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 02	1/11/1994	6847.80	6.7	7.1	2674	353	160	194	5.6	300	1765	26.3	0.55	< 0.1	< 1	0.13	< 0.001	< 0.01
EPA 02	4/19/1994	6847.90	6.6	8.05	2781	357	159	223	6.9	284	1771	24.3	0.78	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	7/26/1994	6848.10	6.7	6.93	3353	469	216	223	6.8	273	2026	26.6	0.59	< 0.1	< 1	0.16	< 0.001	< 0.01
EPA 02	10/11/1994	6848.00	6.7	7.7	3036	462	182	222	6.4	304	2057	25.2	0.71	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/10/1995	6848.10	6.6	7.16	3316	486	144	208	7.6	294	2057	27.5	0.98	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/6/1995	6848.50	6.7	6.91	3267	423	183	216	6.72	295	2070	26.5	1.06	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/11/1995	6848.40	6.8	7.14	2674	390	177	203	6.2	325	1705	25.4	0.81	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/10/1995	6842.60	6.7	7.43	2782	393	156	216	6.4	321	1741	24.2	0.6	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	1/9/1996	6848.50	6.8	7.73	2801	382	155	213	6.7	334	1791	24.7	0.46	< 0.1	< 1	< 0.1	0.003	< 0.01
EPA 02	4/10/1996	6842.70	6.9	7.7	3018	408	168	191	6	321	1831	22.7	0.52	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/17/1996	6848.50	6.7	6.88	3042	390	164	208	16	312	1746	29	0.45	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/8/1996	6848.70	6.7	7.17	3150	453	198	211	6.7	315	1866	24.5	0.56	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/28/1997	6848.70	6.9	7.75	3000	400	185	190	6.23	318	1883	29.9	0.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/15/1997	6848.70	6.7	7.77	2970	410	184	202	6.6	325	1775	26.4	0.46	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/15/1997	6848.50	6.5	7.46	3090	411	186	192	6.6	321	1780	27.7	0.51	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/15/1997	6848.50	6.6	7.64	2920	400	185	195	6.1	322	1740	31.6	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/20/1998	6849.20	6.5	7.76	3060	407	182	208	6.9	318	2000	26.8	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/14/1998	6848.90	6.4	7.47	3130	438	199	194	6.3	316	1830	26.2	0.54	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/14/1998	6848.70	7	7.66	3120	385	190	207	6.9	313	1700	22.3	0.49	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/6/1998	6849.50	6.6	7.82	3390	454	227	221	7.9	292	2150	28.6	0.75	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/12/1999	6849.30	6.8	7.65	3060	364	180	181	6.7	311	1740	27.8	0.55	< 0.1	< 1	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 02	7/26/1989	<0.01	0.06	<0.05	2.9	<0.1	0.07	<0.001	<0.1	0.0178	1.6	<1	1.6	1.4	<1	<1
EPA 02	10/5/1989	<0.01	<0.01	<0.05	2.8	<0.01	<0.05	<0.001	<0.1	0.004	0.6	1.9	2.5	<0.2	3.4	1.1
EPA 02	1/17/1990	<0.01	<0.01	<0.05	2.6	<0.1	<0.05	<0.001	<0.1	0.003	0.6	<1	0.6	0.4	<1	1.1
EPA 02	4/18/1990	<0.01	<0.01	<0.05	2.3	<0.1	<0.05	0.001	<0.1	0.002	1.8	<1	1.8	<0.2	<1	2.3
EPA 02	7/17/1990	<0.01	<0.01	<0.05	2.29	<0.1	<0.05	<0.001	<0.1	0.0019	0.4	1.9	2.3	<0.2	<1	<1
EPA 02	10/16/1990	<0.01	0.01	<0.05	2.57	<0.1	<0.05	<0.001	<0.1	<0.0003	0.9	<1	0.9	<0.2	<1	<1
EPA 02	1/8/1991	<0.01	<0.01	<0.05	2.62	<0.1	<0.05	<0.001	<0.1	0.0196	<0.2	2	2	<0.2	<1	<1
EPA 02	4/17/1991	<0.01	<0.01	<0.05	2.12	<0.1	<0.05	<0.001	<0.1	0.001	1	1.8	2.8	<0.2	<1	1
EPA 02	7/3/1991	<0.01	<0.01	<0.05	3.02	0.03	<0.05	<0.001	<0.1	<0.0003	0.2	3.7	3.9	<0.2	<1	<1
EPA 02	10/22/1991	<0.01	0.02	<0.05	2.09	<0.1	<0.05	<0.001	<0.1	0.001	0.2	3.7	3.9	<0.2	<1	<1
EPA 02	1/23/1992	<0.01	<0.01	<0.05	2.77	<0.1	<0.05	<0.001	<0.1	0.003	0.3	<1	0.3	<0.2	1.3	<1
EPA 02	4/2/1992	<0.01	<0.01	<0.05	2.46	<0.1	<0.05	<0.001	<0.1	0.009	0.2	4.4	4.6	<0.2	3	<1
EPA 02	7/16/1992	<0.01	<0.01	<0.05	2.3	<0.1	<0.05	<0.001	<0.1	0.001	1.8	6.3	8.1	<0.2	2.5	1.9
EPA 02	10/15/1992	<0.01	<0.01	<0.05	3.23	<0.1	<0.05	<0.001	<0.1	<0.0003	1.2	6.3	7.5	<0.2	2.1	1.3
EPA 02	1/14/1993	<0.01	<0.01	<0.05	2.27	<0.1	<0.05	<0.001	<0.1	0.001	0.2	<1	0.2	<0.2	<1	<1
EPA 02	4/15/1993	<0.01	<0.01	<0.05	2.15	<0.1	<0.05	<0.001	<0.1	0.001	0.5	<1	0.5	<0.2	1.6	<1
EPA 02	7/21/1993	<0.01	<0.01	<0.05	1.59	<0.1	<0.05	<0.001	<0.1	<0.0003	0.7	2.7	3.4	<0.2	<1	<1
EPA 02	10/12/1993	<0.01	0.01	<0.05	2.11	<0.1	<0.05	<0.001	<0.1	0.002	1.4	2.1	3.5	<0.2	2.8	4.5
EPA 02	1/11/1994	<0.01	<0.01	<0.05	1.78	<0.1	<0.05	<0.001	<0.1	<0.0003	0.7	4.3	5	<0.2	<1	8.1
EPA 02	4/19/1994	<0.01	0.02	<0.05	2	<0.1	<0.05	<0.001	<0.1	0.001	0.8	2.1	2.9	<0.2	<1	4.1
EPA 02	7/26/1994	<0.01	<0.01	<0.05	1.81	<0.1	<0.05	<0.001	<0.1	0.002	<0.2	<1	ND	<0.2	<1	<1
EPA 02	10/11/1994	<0.01	<0.01	<0.05	1.52	<0.1	<0.05	<0.001	<0.1	0.002	1	<1	1	<0.2	<1	1.2
EPA 02	1/10/1995	<0.01	<0.01	<0.05	1.82	<0.1	<0.05	<0.001	<0.1	0.002	1.1	<1	1.1	<0.2	<1	2.8
EPA 02	4/6/1995	<0.01	<0.01	<0.05	1.59	<0.1	<0.05	<0.001	<0.1	0.002	0.6	2.4	3	<0.2	<1	3.8
EPA 02	7/11/1995	<0.01	<0.01	<0.05	1.47	<0.1	<0.05	<0.001	<0.1	0.0012	1	<1	1	<0.2	<1	3.4
EPA 02	10/10/1995	<0.01	<0.01	<0.05	1.48	<0.1	<0.05	<0.001	<0.1	0.0011	1.2	<1	1.2	<0.2	<1	1.1
EPA 02	1/9/1996	<0.01	<0.01	<0.05	1.48	<0.1	<0.05	<0.001	<0.1	0.0026	1	<1	1	<0.2	<1	<1
EPA 02	4/10/1996	<0.01	<0.01	<0.05	1.52	<0.1	<0.05	<0.001	<0.1	0.0008	0.7	<1	0.7	0.7	<1	<1
EPA 02	7/17/1996	<0.01	<0.01	<0.05	1.58	<0.1	<0.05	<0.001	<0.1	0.0011	0.9	<1	0.9	0.9	<1	<1
EPA 02	10/8/1996	<0.01	<0.01	<0.05	1.53	<0.1	<0.05	<0.001	<0.1	<0.0003	0.8	<1	0.8	<0.2	<1	1.7
EPA 02	1/28/1997	<0.01	<0.01	<0.05	1.46	<0.1	<0.05	<0.001	<0.1	<0.0003	1.8	<1	1.8	<0.2	<1	<1
EPA 02	4/15/1997	<0.01	<0.01	<0.05	1.49	<0.1	<0.05	<0.001	<0.1	<0.0003	<0.2	<1	ND	<0.2	<1	<1
EPA 02	7/15/1997	<0.01	<0.01	<0.05	1.42	<0.1	<0.05	<0.001	<0.1	<0.0003	0.9	2.5	3.4	<0.2	<1	<1
EPA 02	10/15/1997	<0.01	<0.01	<0.05	1.49	<0.1	<0.05	<0.001	<0.1	<0.0003	0.5	<1	0.5	<0.2	<1	<1
EPA 02	1/20/1998	<0.005	<0.01	<0.05	1.75	<0.1	<0.05	<0.001	<0.1	0.0009	1	<1	1	<0.2	<1	<1
EPA 02	4/14/1998	<0.005	<0.01	<0.05	1.6	<0.1	<0.05	<0.001	<0.1	0.0008	1.1	<1	1.1	<0.2	<1	<1
EPA 02	7/14/1998	<0.005	<0.01	<0.05	1.5	<0.1	<0.05	<0.001	<0.1	0.0009	0.9	<1	0.9	<0.2	7.5	<1
EPA 02	10/6/1998	<0.005	<0.01	<0.05	1.94	<0.1	<0.05	<0.001	<0.1	0.0007	1	2.5	3.5	<0.2	<1	<1
EPA 02	1/12/1999	<0.005	<0.01	<0.05	1.44	<0.1	<0.05	<0.001	<0.1	0.0028	0.9	2.5	3.4	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 02	4/13/1999	6849.50	6.7	7.69	3110	420	182	198	6.8	304	1800	31.3	0.64	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/20/1999	6849.19	6.7	7.67	3080	385	186	187	8.8	307	1650	29	0.59	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/12/1999	6849.30	6.64	7.65	3640	478	244	186	7.6	268	1970	45.7	0.7	< 1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	1/11/2000	6849.50	6.7	7.63	3090	384	187	179	7.4	310	1700	28.9	0.57	< 0.1	< 1	0.12	< 0.001	< 0.01
EPA 02	5/2/2000	6850.10	6.6	7.72	2800	349	162	183	5.9	296	1490	20.2	0.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/10/2000	6849.90	6.67	7.42	2740	369	166	192	5.89	334	1540	20.4	0.47	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/2/2000	6849.95	6.7	7.49	2670	359	172	195	7.8	330	1740	21.2	0.42	< 0.1	< 1	< 0.1	0.004	< 0.01
EPA 02	1/15/2001	6850.00	6.8	7.34	2680	360	157	185	6.5	350	1690	25.8	0.5	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/2/2001	6850.10	6.87	7.39	2730	408	182	173	6	425	1600	23.7	0.53	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 02	7/16/2001	6849.60	7.03	7.57	2770	341	159	182	6.9	430	1630	28.3	0.53	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/9/2001	6849.75	6.67	7.7	2760	330	150	182	6.2	371	1420	25.1	0.36	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 02	1/14/2002	6849.80	6.96	7.2	2730	406	177	168	8	355	1550	24.8	0.43	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	4/9/2002	6849.36	6.83	7.29	2760	356	159	186	6.2	379	1570	25.4	0.45	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/16/2002	6849.45	6.14	7.54	2760	352	161	188	6	448	1510	24.6	0.6	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/15/2002	6849.16	6.14	7.72	2630	398	178	189	5.9	432	1700	21	0.5	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 02	1/14/2003	6849.13	6.65	7.62	2700	345	154	172	6.4	409	1410	19.6	0.59	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 02	4/15/2003	6849.54	6.76	7.51	2740	328	141	194	9.0	448	1550	23.7	0.60	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	7/14/2003	6849.09	6.5	7.62	2750	352	156	183	7.1	436	1460	25.2	0.50	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 02	10/14/2003	6848.80	6.67	7.44	2710	390	172	194	6.0	438	1620	19.4	0.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 02	4/13/1999	< 0.005	< 0.01	< 0.05	1.64	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.1	< 1	1.1	< 0.2	1.8	1.8
EPA 02	7/20/1999	< 0.005	< 0.01	< 0.05	1.35	< 0.1	< 0.05	< 0.001	< 0.1	0.0012	1.2	2.1	3.3	< 0.2	2.1	2.1
EPA 02	10/12/1999	< 0.005	< 0.01	< 0.05	2.21	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.6	2.2	2.8	< 0.2	< 1	1.8
EPA 02	1/11/2000	< 0.005	< 0.01	< 0.05	1.58	< 0.1	< 0.05	0.001	< 0.1	0.0015	0.8	< 1	0.8	< 0.2	< 1	< 1
EPA 02	5/2/2000	< 0.005	< 0.01	< 0.05	1.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	1.7	< 1	1.7	< 0.2	< 1	2.2
EPA 02	7/10/2000	< 0.005	< 0.01	< 0.05	1.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.5	3.9	5.4	< 0.2	< 1	1.4
EPA 02	10/2/2000	< 0.005	< 0.01	< 0.05	1.07	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	1.8	< 1	1.8	< 0.2	< 1	2.6
EPA 02	1/15/2001	< 0.005	< 0.01	< 0.05	1.21	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1.2	2.8	4	< 0.2	< 1	1.2
EPA 02	4/2/2001	< 0.005	< 0.01	< 0.05	1.14	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.4	< 1	1.4	< 0.2	< 1	2.1
EPA 02	7/16/2001	< 0.005	< 0.01	< 0.05	1.2	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.4	4.3	5.7	< 0.2	< 1	1.6
EPA 02	10/9/2001	< 0.005	< 0.01	< 0.05	1.08	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.3	2.6	3.9	< 0.2	< 1	< 1
EPA 02	1/14/2002	< 0.005	< 0.01	< 0.05	1.34	< 0.1	< 0.05	< 0.001	< 0.1	0.001	1.3	3.3	4.6	< 0.2	< 1	1.3
EPA 02	4/9/2002	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0008	1.1	1.7	2.8	< 0.2	< 1	1.8
EPA 02	7/16/2002	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.7	< 1	1.7	< 0.2	< 1	1.7
EPA 02	10/15/2002	< 0.005	< 0.01	< 0.05	1.12	< 0.1	< 0.05	< 0.001	< 0.1	0.0009	1.7	3	4.7	< 0.2	< 1	< 1
EPA 02	1/14/2003	< 0.005	< 0.01	< 0.05	1.23	< 0.1	< 0.05	< 0.001	< 0.1	0.0014	3.0	< 1	3	< 0.2	< 1	2.2
EPA 02	4/15/2003	< 0.005	< 0.01	< 0.05	1.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0010	1.8	10.1	11.9	< 0.2	< 1	2.1
EPA 02	7/14/2003	< 0.005	< 0.01	< 0.05	1.26	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.6	8.7	10.3	< 0.2	< 1	< 1.0
EPA 02	10/14/2003	< 0.005	< 0.01	< 0.05	1.30	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	0.8	8.7	9.5	< 0.2	< 1	1.4

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 04	7/26/1989	6868.80	6.9	5.97	4433	559	373	242	9.1	183	3039	37.1	0.91	0.03	< 1	< 0.1	< 0.001	< 0.05
EPA 04	10/5/1989	6869.10	6.5	6.9	4760	560	371	244	12.3	182	3043	38.9	0.98	0.1	< 1	< 0.1	< 0.001	< 0.05
EPA 04	1/16/1990	6869.40	6.5	6.76	4554	491	343	229	8.95	217	2919	37.5	0.99	0.1	< 1	< 0.1	< 0.001	< 0.05
EPA 04	4/17/1990	6869.30	6.5	6.9	4604	500	347	223	7.7	194	2851	38.4	1.02	0.15	< 1	< 0.1	< 0.001	< 0.05
EPA 04	7/17/1990	6869.10	6.4	6.7	4642	526	367	226	9.2	201	2855	36.4	0.7	0.06	< 1	< 0.1	< 0.001	< 0.05
EPA 04	10/16/1990	6869.10	6.4	7.15	4645	515	368	232	9.2	193	2987	42.7	0.82	0.11	< 1	< 0.1	< 0.001	< 0.05
EPA 04	1/8/1991	6869.00	6.5	6.65	4644	494	337	225	17	185	3039	40.1	0.99	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/17/1991	6869.50	6.5	7.22	4759	525	392	238	8.9	161	3260	40.2	0.97	< 0.01	< 1	0.11	< 0.001	< 0.01
EPA 04	7/3/1991	6869.60	6.6	6.8	4686	504	352	210	7.7	184	3345	37.8	1.04	0.05	< 1	0.3	< 0.001	< 0.01
EPA 04	10/22/1991	6870.20	6.5	6.56	4651	502	350	221	8.2	188	2948	44.2	1.16	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/23/1992	6870.50	6.4	6.52	4263	490	344	211	8	184	2997	42.4	1.14	< 0.01	< 1	0.14	< 0.001	< 0.01
EPA 04	4/2/1992	6870.50	6.4	7.82	4554	495	348	258	9.3	210	2963	37.3	1.19	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/15/1992	6869.70	6.6	7.55	4808	482	336	238	9	173	3072	41.2	0.73	0.2	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/14/1992	6869.80	6.8	6.87	4904	526	357	230	8.6	174	3164	40.2	0.79	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 04	1/13/1993	6870.00	6.6	6.98	4631	506	343	228	9.7	177	3107	38.8	0.21	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 04	4/15/1993	6870.50	6.6	7.05	4684	452	337	242	7.4	175	3006	39.4	0.98	0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/20/1993	6871.10	6.7	7.11	4351	519	369	211	7.8	203	3081	37.4	0.84	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/12/1993	6868.80	7.1	6.47	4585	533	332	217	7.8	189	2962	34.3	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/11/1994	6869.50	6.8	6.88	4530	543	336	219	7.2	178	3119	35.8	0.89	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/20/1994	6870.50	6.7	6.44	4612	544	346	233	7.3	167	3065	37.9	1.42	< 0.1	< 1	0.15	0.002	< 0.01
EPA 04	7/26/1994	6870.40	6.7	6.45	4420	578	359	225	8.2	172	2863	35.7	0.93	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/11/1994	6870.30	6.6	7.42	4528	539	380	229	8.3	195	3133	37.9	1.11	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/10/1995	6870.40	6.5	6.98	4598	640	286	210	9.5	190	3090	38.3	1.48	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/6/1995	6870.60	6.6	6.99	4715	640	328	212	8.3	189	3268	39.3	1.7	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 04	7/11/1995	6870.30	6.8	7.44	3894	485	325	194	7.4	253	2490	35.1	1.29	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/10/1995	6870.40	6.7	7.04	4004	515	335	220	8	217	2641	33.1	1.04	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 04	1/9/1996	6870.30	6.8	7.89	4093	505	335	213	8.3	257	2637	34.4	0.75	< 0.1	< 1	< 0.1	0.003	< 0.01
EPA 04	4/10/1996	6870.20	6.9	7.63	4412	544	338	199	7.6	223	3002	36.6	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/17/1996	6870.20	6.8	6.76	4161	485	300	221	8.3	216	2580	38	0.69	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/8/1996	6870.10	6.6	7.12	4390	555	358	211	8.3	196	2721	35.3	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/28/1997	6870.10	6.8	7.51	4290	510	335	192	7.84	222	2895	44	0.77	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/15/1997	6869.90	6.4	7.38	4390	544	354	212	8.5	222	2829	39.4	0.83	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/15/1997	6869.50	6.5	7.22	4320	556	338	200	8	227	2800	38.9	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/15/1997	6869.40	6.4	7.6	4480	591	372	202	7.8	209	2900	49.1	0.82	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/20/1998	6870.30	6.6	7.85	4480	588	366	216	8.7	212	3100	41.9	1.08	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/14/1998	6869.50	6.7	7.08	4480	586	340	226	8.2	209	3010	35.1	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/14/1998	6869.20	6.6	7.25	4620	576	366	223	8.8	200	3000	36.7	0.86	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/13/1998	no data	6.41	7.84	4520	579	348	228	8.6	218	3000	36.1	0.98	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/12/1999	6869.50	6.6	7.53	4590	615	347	199	8	214	3000	37.2	0.92	< 0.1	< 1	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 04	7/26/1989	<0.01	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	0.004	1.9	1.4	3.3	0.9	<1	3
EPA 04	10/5/1989	<0.01	<0.01	<0.05	3.1	<0.01	<0.05	<0.001	<0.1	0.003	2	1.9	3.9	0.3	2.2	3
EPA 04	1/16/1990	<0.01	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	0.0007	1.3	3.4	4.7	2.8	<1	3.5
EPA 04	4/17/1990	<0.01	<0.01	<0.05	2.5	<0.1	<0.05	<0.001	<0.1	0.002	0.8	1.6	2.4	<0.2	2.4	1.5
EPA 04	7/17/1990	<0.01	<0.01	<0.05	3.31	<0.1	<0.05	<0.001	<0.1	0.001	0.8	4.4	5.2	<0.2	1.5	<1
EPA 04	10/16/1990	<0.01	0.01	<0.05	3.31	<0.1	<0.05	<0.001	<0.1	<0.0003	1.5	<1	1.5	<0.2	1.1	2
EPA 04	1/8/1991	<0.01	0.01	<0.05	3.27	<0.1	<0.05	<0.001	<0.1	<0.0003	1.5	2.7	4.2	<0.2	<1	2
EPA 04	4/17/1991	<0.01	<0.01	<0.05	3.87	<0.1	<0.05	<0.001	<0.1	0.001	0.7	4.9	5.6	<0.2	<1	<1
EPA 04	7/3/1991	<0.01	0.01	<0.05	3.21	0.03	<0.05	<0.001	<0.1	0.0029	1.5	5.1	6.6	<0.2	<1	1
EPA 04	10/22/1991	<0.01	0.02	<0.05	3.28	<0.1	<0.05	<0.001	<0.1	0.0684	0.7	3.9	4.6	<0.2	1.8	<1
EPA 04	1/23/1992	<0.01	<0.01	<0.05	2.95	<0.1	<0.05	<0.001	<0.1	0.007	1.2	<1	1.2	<0.2	1.9	1
EPA 04	4/2/1992	<0.01	<0.01	<0.05	3.34	<0.1	<0.05	<0.001	<0.1	0.001	0.5	5.4	5.9	<0.2	9.1	<1
EPA 04	7/15/1992	<0.01	<0.01	<0.05	3.19	<0.1	<0.05	<0.001	<0.1	0.004	1.9	5	6.9	<0.2	<1	2
EPA 04	10/14/1992	<0.01	<0.01	<0.05	3.41	<0.1	<0.05	<0.001	<0.1	0.029	1.9	7.1	9	<0.2	<1	2.1
EPA 04	1/13/1993	<0.01	0.02	<0.05	3.47	<0.1	<0.05	<0.001	<0.1	<0.0003	1	13.8	14.8	<0.2	<1	1.1
EPA 04	4/15/1993	<0.01	<0.01	<0.05	3.55	<0.1	<0.05	<0.001	<0.1	<0.0003	1	1.1	2.1	<0.2	<1	1.2
EPA 04	7/20/1993	<0.01	<0.01	<0.05	2.81	<0.1	<0.05	<0.001	<0.1	<0.0003	1.1	3.5	4.6	<0.2	<1	1.5
EPA 04	10/12/1993	<0.01	0.01	<0.05	3.08	<0.1	<0.05	<0.001	<0.1	0.003	1.2	2.7	3.9	<0.2	1.3	5.2
EPA 04	1/11/1994	<0.01	<0.01	<0.05	3.59	<0.1	<0.05	<0.001	<0.1	0.001	1.1	3	4.1	<0.2	<1	6.6
EPA 04	4/20/1994	<0.01	<0.01	<0.05	2.77	<0.1	<0.05	<0.001	<0.1	0.001	2	3	5	<0.2	1.8	6.7
EPA 04	7/26/1994	<0.01	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	0.002	1.9	5.1	7	<0.2	<1	9.7
EPA 04	10/11/1994	<0.01	<0.01	<0.05	2.95	<0.1	<0.05	<0.001	<0.1	0.001	1.6	2.3	3.9	<0.2	<1	5.2
EPA 04	1/10/1995	<0.01	<0.01	<0.05	3.42	<0.1	<0.05	<0.001	<0.1	0.001	1.7	2.5	4.2	0.2	3	5.6
EPA 04	4/6/1995	<0.01	<0.01	<0.05	3.25	<0.1	<0.05	<0.001	<0.1	0.001	1.4	3	4.4	<0.2	<1	6.1
EPA 04	7/11/1995	<0.01	<0.01	<0.05	2.76	<0.1	<0.05	<0.001	<0.1	<0.0003	0.7	3.1	3.8	0.4	<1	5
EPA 04	10/10/1995	<0.01	<0.01	<0.05	2.89	<0.1	<0.05	<0.001	<0.1	0.0008	1.5	4.2	5.7	0.4	<1	2.2
EPA 04	1/9/1996	<0.01	<0.01	<0.05	2.83	<0.1	<0.05	<0.001	<0.1	0.001	1.1	2.4	3.5	<0.2	2.6	<1
EPA 04	4/10/1996	<0.01	<0.01	<0.05	3.2	<0.1	<0.05	<0.001	<0.1	<0.0003	1.2	3.3	4.5	<0.2	<1	<1
EPA 04	7/17/1996	<0.01	<0.01	<0.05	2.85	<0.1	<0.05	<0.001	<0.1	0.0009	0.5	<1	0.5	<0.2	<1	<1
EPA 04	10/8/1996	<0.01	<0.01	<0.05	2.89	<0.1	<0.05	<0.001	<0.1	<0.0003	1.2	<1	1.2	<0.2	<1	<1
EPA 04	1/28/1997	<0.01	<0.01	<0.05	2.82	<0.1	<0.05	<0.001	<0.1	<0.0003	1.5	<1	1.5	<0.2	<1	2.1
EPA 04	4/15/1997	<0.01	<0.01	<0.05	2.97	<0.1	<0.05	<0.001	<0.1	0.001	0.9	1.2	2.1	<0.2	<1	2.3
EPA 04	7/15/1997	<0.01	<0.01	<0.05	2.58	<0.1	<0.05	<0.001	<0.1	0.0009	1	4.1	5.1	<0.2	<1	<1
EPA 04	10/15/1997	<0.01	<0.01	<0.05	3.06	<0.1	<0.05	<0.001	<0.1	<0.0003	0.6	<1	0.6	<0.2	<1	<1
EPA 04	1/20/1998	<0.005	<0.01	<0.05	3.25	<0.1	<0.05	<0.001	<0.1	0.0011	1	<1	1	<0.2	<1	<1
EPA 04	4/14/1998	<0.005	<0.01	<0.05	2.88	<0.1	<0.05	<0.001	<0.1	0.0011	1.5	<1	1.5	<0.2	<1	<1
EPA 04	7/14/1998	<0.005	<0.01	<0.05	2.98	<0.1	<0.05	<0.001	<0.1	0.0009	0.6	3.7	4.3	<0.2	<1	<1
EPA 04	10/13/1998	<0.005	<0.01	<0.05	2.87	<0.1	<0.05	<0.001	<0.1	0.001	1.2	3.9	5.1	<0.2	<1	<1
EPA 04	1/12/1999	<0.005	<0.01	<0.05	2.78	<0.1	<0.05	<0.001	<0.1	0.0033	1.5	4.2	5.7	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 04	4/13/1999	6869.80	6.5	7.46	4590	582	343	206	8.2	208	2860	43.8	0.97	0.11	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/20/1999	6869.50	6.5	7.11	4790	555	323	193	10.4	207	2550	40	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/12/1999	6869.20	6.6	7.94	4830	556	332	193	8.4	641	2780	39	0.87	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 04	1/11/2000	6869.50	6.5	7.51	4680	557	332	187	8.8	204	2730	36.2	0.82	< 0.1	< 1	0.1	< 0.001	< 0.01
EPA 04	5/15/2000	6869.10	6.7	7.42	4810	542	366	194	9.1	173	3000	37.5	1.03	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 04	7/11/2000	6868.90	6.54	7.07	4790	574	386	199	8.4	171	2910	38.8	0.97	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/3/2000	6868.90	6.61	7.21	4740	541	372	193	9.2	175	2770	36.5	0.74	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/9/2001	6868.95	6.73	7.3	4680	555	373	164	8.7	174	2890	43.4	0.88	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/3/2001	6868.80	6.7	7.06	4620	651	427	170	8.1	177	3230	42.1	1.01	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/17/2001	6868.25	6.94	7.02	4780	533	372	173	9.1	172	2690	48.3	1.01	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/9/2001	6868.30	6.55	6.8	4770	520	360	165	8.7	174	2700	46.3	0.86	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/14/2002	6868.25	6.75	6.9	4730	624	413	165	10.5	178	2980	46.2	0.85	0.16	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/9/2002	6867.90	6.54	7.27	4790	545	369	186	9	167	2880	39.5	0.82	0.31	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/16/2002	6867.85	6.52	7.53	4740	533	369	172	10.4	163	2870	43.1	1.07	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/15/2002	6867.70	6.32	7.06	4240	613	414	196	9.1	179	3260	40	1.15	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	1/14/2003	6867.38	6.61	7.13	4720	461	319	154	9.6	164	2420	30.5	1.21	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	4/14/2003	6867.44	6.67	7.07	4770	538	386	201	12.5	162	2940	37.9	1.17	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	7/15/2003	6867.14	6.44	7.30	4820	552	374	186	9.3	168	2880	35.0	1.15	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 04	10/14/2003	6866.96	6.49	7.42	4760	626	416	189	8.6	158	3140	38.9	0.91	< 0.1	< 1	0.2	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 04	4/13/1999	< 0.005	< 0.01	< 0.05	3	< 0.1	< 0.05	< 0.001	< 0.1	0.0017	2.2	3.5	5.7	< 0.2	2.2	2.2
EPA 04	7/20/1999	< 0.005	< 0.01	< 0.05	2.33	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	0.9	1.5	2.4	< 0.2	1.5	1.5
EPA 04	10/12/1999	< 0.005	< 0.01	< 0.05	2.93	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	3.3	4.5	< 0.2	< 1	1.4
EPA 04	1/11/2000	< 0.005	< 0.01	< 0.05	3.1	< 0.1	0.06	< 0.001	< 0.1	0.0021	1	< 1	1	< 0.2	< 1	< 1
EPA 04	5/15/2000	< 0.005	< 0.01	< 0.05	4.15	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	1.9	3.8	5.7	< 0.2	< 1	1.3
EPA 04	7/11/2000	0.007	< 0.01	< 0.05	3.37	< 0.1	< 0.05	< 0.001	< 0.1	0.0006	< 2	2.4	2.4	< 0.2	< 1	1.8
EPA 04	10/3/2000	< 0.005	< 0.01	< 0.05	2.66	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.3	3.5	4.8	< 0.2	< 1	1.4
EPA 04	1/9/2001	< 0.005	< 0.01	< 0.05	3.28	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.5	5	6.5	< 0.2	< 1	2.2
EPA 04	4/3/2001	< 0.005	< 0.01	< 0.05	3.37	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.2	3.8	5	< 0.2	< 1	1.8
EPA 04	7/17/2001	< 0.005	< 0.01	< 0.05	3.22	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.1	5.8	6.9	< 0.2	< 1	2.2
EPA 04	10/9/2001	< 0.005	< 0.01	< 0.05	2.65	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	3.7	5.2	< 0.2	< 1	< 1
EPA 04	1/14/2002	< 0.005	< 0.01	< 0.05	3.59	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	5.4	6.9	< 0.2	< 1	< 1
EPA 04	4/9/2002	< 0.005	< 0.01	< 0.05	3.53	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.3	2	3.3	< 0.2	< 1	1.3
EPA 04	7/16/2002	< 0.005	< 0.01	< 0.05	3.37	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.4	< 1	1.4	< 0.2	< 1	< 1
EPA 04	10/15/2002	< 0.005	< 0.01	< 0.05	3.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.7	< 1	1.7	< 0.2	< 1	< 1
EPA 04	1/14/2003	< 0.005	< 0.01	< 0.05	3.29	< 0.1	< 0.05	< 0.001	< 0.1	0.0005	1.9	< 1	1.9	< 0.2	< 1	2.0
EPA 04	4/14/2003	< 0.005	< 0.01	< 0.05	3.33	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	1.7	7.9	9.6	< 0.2	< 1	3.0
EPA 04	7/15/2003	< 0.005	< 0.01	< 0.05	3.35	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1.5	3.1	4.6	< 0.2	< 1	< 1.0
EPA 04	10/14/2003	< 0.005	< 0.01	< 0.05	3.32	< 0.1	< 0.05	< 0.001	< 0.1	0.0004	0.5	5.6	6.1	< 0.2	< 1	1.5

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 05	7/26/1989	6895.20	6.5	6.15	5192	625	508	151	8.5	295	3279	93.1	0.3	15.8	< 1	< 0.1	< 0.001	< 0.05
EPA 05	10/5/1989	6895.40	6.1	6.9	5726	639	531	171	12.3	512	3255	141	0.12	29	< 1	< 0.1	< 0.001	< 0.05
EPA 05	1/16/1990	6895.60	6.1	6.4	5698	628	539	186	9.49	567	3175	169	0.18	53.2	< 1	< 0.1	< 0.001	< 0.05
EPA 05	4/17/1990	6895.50	6	6.8	5882	662	555	199	9.5	671	3159	172	0.31	53	< 1	< 0.1	< 0.001	< 0.05
EPA 05	7/17/1990	6895.10	6	6.46	5886	723	548	204	10.3	672	3146	152	0.15	41	< 1	< 0.1	< 0.001	< 0.05
EPA 05	10/16/1990	6895.00	6	7.11	6192	647	540	215	9	742	3391	199	0.18	53	< 1	< 0.1	< 0.001	< 0.05
EPA 05	1/8/1991	6894.80	6.1	7.22	5554	641	485	171	7.3	586	3088	137	0.27	36	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/17/1991	6894.90	5.9	7.43	6608	678	591	241	10.6	380	3536	219	0.23	68	< 1	0.27	< 0.001	< 0.01
EPA 05	7/3/1991	6894.60	6.1	6.69	5926	634	512	187	8.7	326	3440	146	0.38	39.4	< 1	0.15	< 0.001	< 0.01
EPA 05	10/22/1991	6894.70	6	6.95	7076	676	712	263	10.2	653	3873	226	0.32	43.1	< 1	0.17	< 0.001	< 0.01
EPA 05	1/23/1992	no data	6.1	6.81	6207	607	679	246	9.7	312	3679	183	0.25	26.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/2/1992	6894.60	5.9	7.21	7719	703	695	336	13.3	1091	4080	289	0.32	28.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/15/1992	6894.20	6.2	7.18	7158	570	659	328	11.4	878	3934	192	0.23	29.6	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/15/1992	6894.10	6.2	6.85	7824	612	774	365	12.9	857	4186	215	0.19	67.4	< 1	< 0.1	0.001	< 0.01
EPA 05	1/12/1993	6894.50	6.1	6.78	8011	599	791	344	12.7	880	4407	214	0.19	93.5	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/15/1993	6894.50	6.1	7.01	7246	621	751	303	8.8	926	4024	179	0.34	118	< 1	< 0.1	< 0.001	< 0.001
EPA 05	7/20/1993	6894.30	6.2	7.14	6893	598	748	371	9.7	1000	3990	224	0.22	91.6	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/12/1993	6892.00	6.5	6.76	7441	599	923	345	9.4	1177	4387	197	< 0.05	72	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/11/1994	6894.00	6.5	7.19	8037	549	857	318	8.4	1109	4491	208	0.15	95.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/19/1994	6893.80	6.3	7.72	8035	625	930	408	10.2	693	4651	121	0.25	91	< 1	< 0.1	0.001	< 0.01
EPA 05	7/26/1994	6893.70	6.3	7.32	7684	601	926	399	9.5	1116	4492	209	0.12	91.9	< 1	0.16	< 0.001	< 0.01
EPA 05	10/11/1994	6893.50	6.3	7.41	7630	572	998	371	9.4	1077	4448	204	0.13	99.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/11/1995	6893.50	6.3	7.02	8106	581	960	325	10.8	1032	4533	192	0.17	87.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/11/1995	6894.10	6.5	6.85	8693	595	1070	388	10.4	1168	4895	245	0.36	96	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/11/1995	6893.30	6.5	7.41	8075	547	1043	388	9.8	1150	4604	205	0.47	82.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/10/1995	6893.40	6.5	7.56	8070	550	1018	385	10.2	1258	4529	201	0.67	86.6	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/9/1996	6893.20	6.6	7.52	7693	508	966	376	10.9	1182	4420	198	1.44	94	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/10/1996	6893.10	6.7	7.54	8569	590	1110	362	10.7	1221	5200	211	2.74	89.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/17/1996	6893.00	6.4	6.87	8522	510	957	372	11.9	1275	4404	221	1.05	100	1.42	< 0.1	< 0.001	< 0.01
EPA 05	10/8/1996	6892.90	6.4	7.29	8870	581	1091	389	12	1294	4869	211	5.8	93.1	1.42	< 0.1	< 0.001	< 0.01
EPA 05	1/28/1997	6892.70	6.5	7.81	8450	538	1050	343	11.3	1208	4620	246	6.24	86.7	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/15/1997	6892.60	6.4	7.65	8670	544	1040	376	12.1	1220	4740	221	6.61	77.1	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/15/1997	6892.20	6.3	7.43	8720	555	1010	351	12.4	1180	4570	216	7.6	78.1	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/21/1997	no data	6.7	7.7	8610	587	1100	368	12.7	1240	4840	254	9.31	90.3	< 1	0.11	< 0.001	< 0.01
EPA 05	1/20/1998	6892.60	6.4	7.75	8290	532	1050	372	13.8	1100	5000	223	8.79	81.2	1.1	< 0.1	< 0.001	< 0.01
EPA 05	4/14/1998	6892.40	6.6	7.16	8500	575	1010	374	13.2	1220	4720	195	1.72	83.7	1.3	< 0.1	< 0.001	< 0.01
EPA 05	7/14/1998	6891.90	6.6	7.69	8620	541	963	364	14	1210	4200	201	11.4	67.7	1.1	< 0.1	< 0.001	< 0.01
EPA 05	10/13/1998	no data	6.45	7.75	8240	540	979	370	15	1190	4680	198	12.9	80	1	< 0.1	< 0.001	< 0.01
EPA 05	1/12/1999	6892.00	6.5	7.75	8160	462	909	308	14.4	1140	4600	192	15.5	71.2	< 1	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
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Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 05	7/26/1989	<0.01	0.02	<0.05	1.7	<0.1	<0.05	0.001	<0.1	0.0069	1.7	1.3	3	3.2	1.2	2.2
EPA 05	10/5/1989	<0.01	0.04	<0.05	1.3	<0.01	<0.05	<0.001	<0.1	0.022	1.1	1.8	2.9	0.3	<1	1.5
EPA 05	1/16/1990	<0.01	<0.01	<0.05	1.8	<0.1	<0.05	0.002	<0.1	0.032	0.7	2.8	3.5	0.2	<1	1.1
EPA 05	4/17/1990	<0.01	0.03	<0.05	2.2	<0.1	0.1	<0.001	<0.1	0.041	1.1	2.2	3.3	<0.2	<1	1.8
EPA 05	7/17/1990	<0.01	0.03	<0.05	2.36	<0.1	<0.05	0.001	<0.1	0.0475	2.1	2.3	4.4	<0.2	3.6	2
EPA 05	10/16/1990	<0.01	0.03	<0.05	2.79	<0.1	<0.05	<0.001	<0.1	0.0371	0.9	1.6	2.5	<0.2	<1	<1
EPA 05	1/8/1991	<0.01	0.03	<0.05	3.17	<0.1	<0.05	0.001	<0.1	0.0003	0.8	<1	0.8	<0.2	<1	<1
EPA 05	4/17/1991	<0.0045	0.06	<0.05	3.81	<0.1	0.09	0.001	<0.1	0.04	0.6	<1	0.6	<0.2	2.3	<1
EPA 05	7/3/1991	<0.01	0.03	<0.05	2.8	0.1	<0.05	0.001	<0.1	0.0422	0.7	3.1	3.8	<0.2	<1	<1
EPA 05	10/22/1991	<0.01	0.05	<0.05	3.31	<0.1	0.1	0.003	<0.1	0.0021	0.7	1.8	2.5	<0.2	1.8	<1
EPA 05	1/23/1992	<0.01	0.06	<0.05	3	<0.1	0.08	<0.001	<0.1	0.064	0.7	1	1.7	<0.2	1.4	<1
EPA 05	4/2/1992	<0.01	0.05	<0.05	2.56	<0.1	<0.05	0.013	<0.1	0.002	0.2	2.8	3	<0.2	6	<1
EPA 05	7/15/1992	<0.01	0.06	<0.05	2.31	<0.1	0.07	0.003	<0.1	0.005	0.9	4.5	5.4	<0.2	1.5	<1
EPA 05	10/15/1992	<0.01	0.1	<0.05	1.96	<0.1	0.12	0.005	<0.1	0.105	1.3	<1	1.3	<0.2	<1	1.9
EPA 05	1/12/1993	<0.01	0.12	<0.05	1.65	<0.1	0.06	0.03	<0.1	0.077	1	2.2	3.2	<0.2	<1	1.5
EPA 05	4/15/1993	<0.01	0.05	<0.05	1.95	<0.1	0.08	0.003	<0.1	0.036	0.3	<1	0.3	<0.2	1.6	<1
EPA 05	7/20/1993	<0.01	0.07	<0.05	1.36	<0.1	0.09	0.005	<0.1	0.073	1.5	2.7	4.2	<0.2	<1	1.8
EPA 05	10/12/1993	<0.01	0.08	<0.05	1.39	<0.1	0.08	0.004	<0.1	0.084	1.9	2.3	4.2	<0.2	2.9	5.3
EPA 05	1/11/1994	<0.01	0.07	<0.05	1.45	<0.1	0.09	0.002	<0.1	0.1	0.8	1.2	2	<0.2	<1	3.6
EPA 05	4/19/1994	<0.01	0.12	<0.05	1.19	<0.1	<0.05	0.003	<0.1	0.101	1.9	5.7	7.6	<0.2	1	10.6
EPA 05	7/26/1994	<0.01	0.07	<0.05	1.27	<0.1	0.05	0.002	<0.1	0.102	1.1	7.7	8.8	<0.2	1.4	12.8
EPA 05	10/11/1994	<0.01	0.09	<0.05	1.02	<0.1	0.14	0.002	<0.1	0.095	2.1	<1	2.1	<0.2	<1	2.3
EPA 05	1/11/1995	<0.01	0.06	<0.05	1.11	<0.1	0.09	0.003	<0.1	0.109	1.1	3.4	4.5	<0.2	<1	6.4
EPA 05	4/11/1995	<0.01	<0.01	<0.05	0.85	<0.1	<0.05	0.004	<0.1	0.102	0.7	1.9	2.6	<0.2	<1	3.6
EPA 05	7/11/1995	<0.01	0.065	<0.05	0.6	<0.1	0.06	0.004	<0.1	0.09	1.1	<1	1.1	<0.2	<1	5.6
EPA 05	10/10/1995	<0.01	0.05	<0.05	0.53	<0.1	0.05	0.012	<0.1	0.1132	1.4	4.8	6.2	0.7	<1	2.1
EPA 05	1/9/1996	<0.01	0.06	<0.05	0.49	<0.1	<0.05	0.018	<0.1	0.124	1.3	1.2	2.5	<0.2	<1	1.5
EPA 05	4/10/1996	<0.01	0.05	<0.05	0.47	<0.1	0.05	0.001	<0.1	0.126	0.8	2.7	3.5	0.7	<1	<1
EPA 05	7/17/1996	<0.01	0.06	<0.05	0.49	<0.1	0.06	0.004	<0.1	0.125	0.9	<1	0.9	<0.2	<1	<1
EPA 05	10/8/1996	<0.01	0.06	<0.05	0.51	<0.1	0.06	0.002	<0.1	0.117	0.6	<1	0.6	<0.2	<1	<1
EPA 05	1/28/1997	<0.01	0.06	<0.05	0.48	<0.1	0.05	0.003	<0.1	0.086	1.7	<1	1.7	2	<1	1.6
EPA 05	4/15/1997	<0.01	0.05	<0.05	0.47	<0.1	0.06	0.024	<0.1	0.107	1.8	<1	1.8	<0.2	<1	<1
EPA 05	7/15/1997	<0.01	<0.01	<0.05	0.41	<0.1	0.05	0.006	<0.1	0.097	0.9	<1	0.9	<0.2	<1	<1
EPA 05	10/21/1997	<0.01	0.07	<0.05	0.53	0.5	0.06	0.018	<0.1	0.121	0.9	3.3	4.2	<0.2	<1	<1
EPA 05	1/20/1998	<0.005	0.07	<0.05	0.63	3.1	<0.05	<0.001	<0.1	0.239	2.4	1.5	3.9	<0.2	<1	5
EPA 05	4/14/1998	<0.005	0.06	<0.05	0.57	0.53	0.05	0.005	<0.1	0.147	1.4	<1	1.4	<0.2	<1	<1
EPA 05	7/14/1998	<0.005	0.06	<0.05	0.54	0.5	<0.05	0.005	<0.1	0.173	1.3	<1	1.3	<0.2	<1	<1
EPA 05	10/13/1998	<0.005	0.05	<0.05	0.53	0.55	<0.05	0.005	<0.1	0.139	1.4	3.1	4.5	<0.2	<1	2.2
EPA 05	1/12/1999	<0.005	0.04	<0.05	0.53	0.43	<0.05	<0.001	<0.1	0.149	1.1	3.8	4.9	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 05	4/13/1999	6892.20	6.5	7.71	8100	522	934	322	12.7	1100	4160	191	12.9	76.4	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/20/1999	6891.94	6.5	7.55	8130	567	949	82	16.6	1090	4580	198	15	73.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/12/1999	6891.80	6.45	7.75	7960	523	899	306	15	1086	4180	191	19.4	64.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/11/2000	6891.90	6.5	7.78	7920	493	860	286	13.7	1050	3980	166	14.4	53.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	5/3/2000	6891.80	6.2	7.56	5780	461	595	181	14.7	458	3160	94	22.3	42.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/11/2000	6891.50	6.06	7.09	5720	496	630	188	13.5	415	3310	92.7	23	42.5	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/3/2000	6891.60	6.14	6.99	5500	466	594	171	14.4	354	3060	85.4	20	37.5	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/9/2001	6891.60	6.32	6.81	5560	475	591	148	12.7	362	3220	102	20.2	35.2	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/3/2001	6891.40	6.3	7.22	5510	563	669	155	12	353	3460	96.3	17.5	36.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/17/2001	6891.00	6.65	6.71	5520	448	563	150	13.7	267	2950	108	16.6	37.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/9/2001	6891.10	5.99	6.5	5520	440	550	143	13	240	3000	95.2	16.2	35.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/14/2002	6891.10	6.73	6.6	5430	531	621	139	14.1	230	3290	97.8	16.7	31	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/9/2002	6890.74	6.05	6.8	5450	457	551	150	12.6	199	3150	88.8	15.7	29.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/16/2002	6890.78	6.58	7.16	5410	452	550	139	13.6	179	3170	77.3	15.7	30.7	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/15/2002	6890.63	6.3	6.77	4610	513	608	151	12.5	168	3580	75.1	15.1	12.3	< 1	< 0.1	< 0.001	< 0.01
EPA 05	1/14/2003	6890.29	6.59	6.75	5320	429	524	145	15.1	160	2930	67.9	13.9	28.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	4/14/2003	6890.24	6.00	6.75	5350	455	569	160	15.8	146	3210	80.2	12.6	29.8	< 1	< 0.1	< 0.001	< 0.01
EPA 05	7/9/2003	6890.01	5.69	6.99	5340	486	580	139	12.6	138	3420	72.4	13.2	25.9	< 1	< 0.1	< 0.001	< 0.01
EPA 05	10/14/2003	6890.07	5.72	7.02	5310	523	528	144	11.3	132	3390	75.8	11.6	25.9	< 1	0.4	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 05	4/13/1999	< 0.005	0.06	< 0.05	0.53	0.44	< 0.05	0.004	< 0.1	0.13	1	2.1	3.1	< 0.2	3.5	3.5
EPA 05	7/20/1999	< 0.005	0.05	< 0.05	0.49	0.36	< 0.05	0.004	< 0.1	0.127	1.6	< 1	1.6	< 0.2	2.2	2.2
EPA 05	10/12/1999	< 0.005	0.04	< 0.05	0.59	0.35	< 0.05	0.001	< 0.1	0.124	1.2	< 1	1.2	< 0.2	< 1	< 1
EPA 05	1/11/2000	< 0.005	0.06	< 0.05	0.51	0.37	0.07	0.005	< 0.1	0.111	0.9	< 1	0.9	< 0.2	< 1	< 1
EPA 05	5/3/2000	< 0.005	0.08	< 0.05	1.23	< 0.1	0.1	0.003	< 0.1	0.0365	0.7	2	2.7	< 0.2	< 1	< 1
EPA 05	7/11/2000	< 0.005	0.08	0.05	1.16	< 0.1	< 0.05	< 0.001	< 0.1	0.0219	0.7	2.3	3	< 0.2	< 1	< 1
EPA 05	10/3/2000	< 0.005	0.08	< 0.05	1.09	< 0.1	0.08	0.001	< 0.1	0.015	0.8	2.7	3.5	< 0.2	< 1	1.4
EPA 05	1/9/2001	< 0.005	0.09	< 0.05	1.24	< 0.1	0.11	0.003	< 0.1	0.016	1.3	< 1	1.3	< 0.2	< 1	1.5
EPA 05	4/3/2001	< 0.005	0.1	< 0.05	1.39	< 0.1	0.12	0.003	< 0.1	0.015	1.2	< 1	1.2	< 0.2	< 1	< 1
EPA 05	7/17/2001	< 0.005	0.1	< 0.05	1.26	< 0.1	0.09	0.002	< 0.1	0.007	1.4	4.1	5.5	< 0.2	< 1	< 1
EPA 05	10/9/2001	< 0.005	0.08	< 0.05	0.98	< 0.1	0.07	0.002	< 0.1	0.007	1.7	2.3	4	< 0.2	< 1	< 1
EPA 05	1/14/2002	< 0.005	0.11	< 0.05	1.28	< 0.1	0.13	0.002	< 0.1	0.0061	1.7	4.8	6.5	< 0.2	< 1	1.2
EPA 05	4/9/2002	< 0.005	0.1	< 0.05	1.23	< 0.1	0.11	0.001	< 0.1	0.0046	0.8	1.5	2.3	< 0.2	< 1	1.5
EPA 05	7/16/2002	< 0.005	0.1	< 0.05	1.25	< 0.1	0.09	0.001	< 0.1	< 0.0003	1.5	< 1	1.5	< 0.2	< 1	2.7
EPA 05	10/15/2002	< 0.005	0.09	< 0.05	1.17	< 0.1	0.1	< 0.001	< 0.1	0.0026	1.8	< 1	1.8	< 0.2	< 1	2.7
EPA 05	1/14/2003	< 0.005	0.1	< 0.05	1.22	< 0.1	0.09	< 0.001	< 0.1	0.0030	1.1	< 1	1.1	< 0.2	< 1	2.3
EPA 05	4/14/2003	< 0.005	0.11	< 0.05	1.41	< 0.1	0.09	< 0.001	< 0.1	0.0020	1.5	3.5	5	< 0.2	< 1	3.2
EPA 05	7/9/2003	< 0.005	0.1	< 0.05	1.29	< 0.1	0.07	< 0.001	< 0.1	0.0006	1.6	< 1	1.6	< 0.2	< 1	< 1.0
EPA 05	10/14/2003	< 0.005	0.1	< 0.05	1.28	< 0.1	0.08	< 0.001	< 0.1	0.0019	0.8	3.5	4.3	< 0.2	< 1	2.1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 07	7/26/1989	6907.80	4.4	4.01	7774	526	871	212	9.1	0	5092	134	3.45	94	< 1	94	< 0.001	< 0.05
EPA 07	10/5/1989	6908.00	4.2	4.26	8076	497	877	221	12	0	5272	192	3.41	69	< 1	99	< 0.001	< 0.05
EPA 07	1/16/1990	6908.00	4.2	4.22	8190	449	915	226	9.09	< 0	5108	174	3.46	88	< 1	96	< 0.001	< 0.05
EPA 07	4/17/1990	6907.70	4.2	4.3	9172	453	1100	226	8.7	< 0	5392	182	3.95	96	< 1	100	< 0.001	< 0.05
EPA 07	7/17/1990	6907.10	4.4	4.35	9566	496	1009	230	10	0.1	5739	176	1.9	84	< 1	80.1	< 0.001	< 0.05
EPA 07	10/9/1990	no data	4.4	4.63	8003	449	928	241	10.5	10	5204	169	1.17	36.2	< 1	39.1	< 0.001	< 0.05
EPA 07	1/3/1991	no data	4.6	4.68	7145	475	829	262	24.4	6.1	4572	117	1.67	29.3	< 1	18	< 0.001	< 0.01
EPA 07	4/17/1991	no data	5	5.37	6918	454	757	252	12.4	15	4676	117	1.3	40.5	< 1	6.15	< 0.001	< 0.01
EPA 07	7/11/1991	no data	5	5.8	6957	386	759	230	10.1	39	4506	99.7	1.01	28.1	< 1	0.18	< 0.001	< 0.01
EPA 07	9/4/1991	no data	no data	5.58	7322	439	672	245	22.5	37	4415	107	1.2	17	< 1	1.21	< 0.001	< 0.01
EPA 07	10/17/1991	no data	5.2	5.69	6827	473	712	257	12.6	39.3	4296	111	1.25	25	< 1	1.15	0.001	< 0.01
EPA 07	11/4/1991	no data	no data	5.65	6986	445	610	238	10	38.8	4271	116	1.2	23.6	< 1	1.93	< 0.001	< 0.01
EPA 07	12/2/1991	no data	no data	5.84	6860	439	608	246	10.4	55.6	3834	114	1.31	54.7	< 1	2.29	< 0.001	< 0.01
EPA 07	1/16/1992	no data	5.1	6.31	6893	397	769	235	10	43.8	4409	113	1.5	29.8	< 1	1.91	< 0.001	< 0.01
EPA 07	4/13/1992	no data	5.2	6.25	6768	409	568	263	11.6	68.6	4167	116	1.1	25.1	< 1	0.6	< 0.001	< 0.01
EPA 07	7/15/1992	no data	5.5	6.37	6446	390	628	287	11.4	95	4088	94.4	0.6	30.6	< 1	0.72	< 0.001	< 0.01
EPA 07	10/7/1992	no data	5.6	6.14	6406	449	654	333	15.2	112	4150	90.8	0.85	15.3	< 1	0.8	< 0.001	< 0.01
EPA 07	1/7/1993	no data	5.6	6.79	5654	469	640	281	11.8	134	3675	98.4	0.92	45.6	< 1	0.6	< 0.001	< 0.01
EPA 07	4/7/1993	no data	5.6	6.32	5787	409	639	293	9.2	108	4101	115	0.78	35.9	< 1	1.4	0.001	< 0.01
EPA 07	7/14/1993	no data	5.7	6.08	6729	495	696	270	9.7	144	4208	65.9	0.84	27.8	< 1	0.53	< 0.001	< 0.01
EPA 07	10/7/1993	no data	5.6	6.07	5989	460	678	250	9.6	142	4049	106	0.75	41.4	< 1	0.62	< 0.001	< 0.01
EPA 07	1/6/1994	no data	5.7	6.27	6870	454	646	277	9.2	135	4312	126	0.87	39.6	< 1	0.84	< 0.001	< 0.01
EPA 07	4/12/1994	no data	5.8	6.33	6573	443	669	257	9.5	140	4378	121	1.88	35.7	< 1	0.63	< 0.001	< 0.01
EPA 07	7/26/1994	no data	5.9	6.87	6463	511	689	289	10.1	139	4144	120	0.88	37.4	< 1	0.59	< 0.001	< 0.01
EPA 07	10/4/1994	no data	5.8	7.16	7011	559	822	299	10.3	160	4647	141	2.94	46.2	< 1	0.74	< 0.001	< 0.01
EPA 07	1/11/1995	6903.70	5.8	6.45	8136	540	900	353	9.4	326	4737	215	1.37	131	1.04	0.5	< 0.001	< 0.01
EPA 07	4/11/1995	6904.40	5.9	6.35	7549	510	798	370	7.2	397	4566	244	1.27	139	1.08	0.41	< 0.001	< 0.01
EPA 07	7/11/1995	6903.90	6	6.96	7971	475	931	346	6.9	426	4475	235	1.25	145	< 1	< 0.1	< 0.001	< 0.01
EPA 07	10/10/1995	6904.10	6	7.5	7558	507	916	371	7.7	403	4368	200	1.12	137	< 1	0.22	0.002	< 0.01
EPA 07	1/9/1996	6903.90	6.1	7.36	7349	474	894	352	7.6	438	4400	200	1.03	141	1.05	0.17	0.003	< 0.01
EPA 07	4/10/1996	6903.80	6.3	7.26	8204	552	1040	349	7.4	428	5070	214	1.07	147	< 1	0.22	< 0.001	< 0.01
EPA 07	7/17/1996	6903.60	6.2	6.36	8403	483	923	344	7.9	392	4529	222	0.72	156	1.56	0.25	< 0.001	< 0.01
EPA 07	10/8/1996	6903.40	6.1	6.97	8440	534	1018	346	7.9	400	4920	206	1.2	142	5.02	0.27	< 0.001	< 0.01
EPA 07	1/28/1997	6903.30	6.2	7.61	8280	485	1041	308	7.6	389	4555	239	1.21	137	1.23	0.27	< 0.001	< 0.01
EPA 07	4/15/1997	6903.10	6.1	7.26	8440	504	999	338	8.3	386	4820	215	1.27	132	< 1	0.38	< 0.001	< 0.01
EPA 07	7/15/1997	6902.80	5.9	7.15	8390	437	984	318	8.2	372	4780	209	1.28	137	1.2	0.19	< 0.001	< 0.01
EPA 07	10/15/1997	6902.50	5.9	7.64	8410	528	1000	314	7.5	349	5010	238	1.49	130	< 1	0.25	< 0.001	< 0.01
EPA 07	1/20/1998	6903.90	5.9	7.48	8340	534	947	335	9.6	340	5100	217	1.89	139	1.1	0.8	< 0.001	< 0.01
EPA 07	4/14/1998	6902.60	6	6.75	8310	514	969	337	8	333	4870	184	1.32	138	1.2	0.48	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 07	7/26/1989	<0.01	0.25	<0.05	24	<0.1	0.27	<0.001	<0.1	0.008	4.8	1.3	6.1	6	<1	9
EPA 07	10/5/1989	<0.01	0.26	0.09	25	<0.01	0.29	0.002	<0.1	0.012	2	3.3	5.3	0.8	<1	2.5
EPA 07	1/16/1990	<0.01	0.34	<0.05	27	<0.1	0.35	0.002	<0.1	0.008	1.5	5.4	6.9	<0.2	<1	1.5
EPA 07	4/17/1990	<0.01	0.36	<0.05	42	<0.1	0.44	<0.001	<0.1	0.006	2.7	5.8	8.5	<0.2	<1	2.8
EPA 07	7/17/1990	<0.01	0.3	<0.05	42.3	<0.1	0.45	<0.001	<0.1	0.0155	0.6	5.2	5.8	<0.2	<1	<1
EPA 07	10/9/1990	0.01	0.46	<0.05	26.9	<0.1	0.48	<0.001	<0.1	0.0052	3.3	4	7.3	<0.2	<1	4
EPA 07	1/3/1991	<0.01	0.25	<0.05	17.6	<0.1	0.3	0.001	<0.1	0.0081	7.7	8.6	16.3	<0.2	<1	8
EPA 07	4/17/1991	<0.01	0.12	<0.05	13.28	<0.1	0.18	<0.001	<0.1	0.002	2.6	10.4	13	<0.2	1.7	2
EPA 07	7/11/1991	<0.01	0.12	<0.05	12.51	<0.1	0.16	0.017	<0.1	0.0038	3.2	8.9	12.1	<0.2	<1	3
EPA 07	9/4/1991	<0.01	0.15	<0.05	12.1	<0.1	0.17	<0.001	<0.1	0.0015	2	3.7	5.7	<0.2	<1	2
EPA 07	10/17/1991	<0.01	0.15	<0.05	13.51	<0.1	0.16	0.001	<0.1	0.0009	2.1	7.2	9.3	<0.2	<1	2
EPA 07	11/4/1991	<0.01	0.15	<0.05	15.6	<0.1	0.21	<0.001	<0.1	0.0059	2.1	8.8	10.9	<0.2	<1	2
EPA 07	12/2/1991	<0.01	0.12	<0.05	13.2	<0.1	0.19	<0.001	<0.1	0.002	3.5	13.1	16.6	<0.2	<1	4
EPA 07	1/16/1992	<0.01	0.13	<0.05	13.6	<0.1	0.19	0.018	<0.1	0.005	2.6	6.6	9.2	<0.2	<1	3
EPA 07	4/13/1992	<0.01	0.13	<0.05	13.3	<0.1	0.16	0.014	<0.1	0.001	2.4	7.4	9.8	<0.2	<1	2.4
EPA 07	7/15/1992	<0.01	0.1	<0.05	10.5	<0.1	0.13	<0.001	<0.1	0.003	2.6	12.2	14.8	<0.2	<1	3
EPA 07	10/7/1992	<0.01	0.1	<0.05	11	<0.1	0.15	<0.001	<0.1	<0.0003	2.2	7.9	10.1	<0.2	<1	2.6
EPA 07	1/7/1993	<0.01	0.12	<0.05	11.3	<0.1	0.21	<0.01	<0.1	0.007	2	7.2	9.2	<0.2	<1	2.1
EPA 07	4/7/1993	<0.01	0.17	<0.05	11.6	<0.1	0.17	<0.001	<0.1	<0.0003	1.3	9	10.3	<0.2	1.3	1.5
EPA 07	7/14/1993	<0.01	0.13	<0.05	10.2	<0.1	0.19	0.002	<0.1	<0.0003	2.1	5.9	8	<0.2	<1	2.8
EPA 07	10/7/1993	<0.01	0.12	<0.05	7.99	<0.1	0.21	<0.001	<0.1	0.006	1.5	7.7	9.2	<0.2	1.8	13
EPA 07	1/6/1994	<0.01	0.13	<0.05	9.79	<0.1	0.22	<0.001	<0.1	<0.0003	3.1	<1	3.1	<0.2	1.7	4.1
EPA 07	4/12/1994	<0.01	0.12	<0.05	9.59	<0.1	0.21	<0.001	<0.1	0.001	2.8	3.5	6.3	<0.2	<1	8.2
EPA 07	7/26/1994	<0.01	0.16	<0.05	9.72	<0.1	0.21	0.003	<0.1	0.002	2.2	1.5	3.7	<0.2	<1	4.6
EPA 07	10/4/1994	<0.01	0.1	<0.05	8.52	<0.1	0.15	<0.001	<0.1	0.003	3.1	4.5	7.6	<0.2	<1	9.8
EPA 07	1/11/1995	<0.01	0.06	<0.05	4.44	<0.1	0.1	<0.001	<0.1	0.001	1.6	6.2	7.8	<0.2	4.8	11.1
EPA 07	4/11/1995	<0.01	<0.01	<0.05	3.81	<0.1	<0.05	<0.001	<0.1	0.001	1.9	4.7	6.6	<0.2	<1	9
EPA 07	7/11/1995	<0.01	<0.01	<0.05	4.02	<0.1	<0.05	<0.001	<0.1	0.002	3	<1	3	0.5	14.9	16.3
EPA 07	10/10/1995	<0.01	0.04	<0.05	4.84	<0.1	<0.05	0.04	<0.1	0.0023	2.3	6.7	9	<0.2	<1	5.4
EPA 07	1/9/1996	<0.01	0.04	<0.05	5.35	<0.1	<0.05	0.067	<0.1	0.0038	3.4	1.3	4.7	<0.2	<1	2.4
EPA 07	4/10/1996	<0.01	0.06	<0.05	6.6	<0.1	<0.05	<0.001	<0.1	0.0024	0.9	2.4	3.3	0.8	<1	3.1
EPA 07	7/17/1996	<0.01	0.08	<0.05	9.71	<0.1	0.08	<0.001	<0.1	0.0032	1.2	<1	1.2	<0.2	<1	4.3
EPA 07	10/8/1996	<0.01	0.08	<0.05	10.5	<0.1	0.09	<0.001	<0.1	0.0003	1.3	<1	1.3	<0.2	<1	<1
EPA 07	1/28/1997	<0.01	0.07	<0.05	11.2	<0.1	0.09	<0.001	<0.1	0.0003	2.3	<1	2.3	<0.2	7.9	2
EPA 07	4/15/1997	<0.01	0.09	<0.05	12.4	<0.1	0.12	0.06	<0.1	0.001	1	1.8	2.8	<0.2	<1	<1
EPA 07	7/15/1997	<0.01	<0.01	<0.05	12.5	<0.1	0.11	<0.001	<0.1	0.001	1.1	3.4	4.5	<0.2	<1	<1
EPA 07	10/15/1997	<0.01	0.13	<0.05	15.2	<0.1	0.13	<0.001	<0.1	0.002	<0.2	<1	ND	<0.2	<1	<1
EPA 07	1/20/1998	<0.005	0.14	<0.05	17.6	<0.1	0.16	<0.001	<0.1	0.0021	1	<1	1	<0.2	<1	<1
EPA 07	4/14/1998	<0.005	0.1	<0.05	12.5	<0.1	0.1	<0.001	<0.1	0.002	1.5	<1	1.5	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 07	7/14/1998	6902.20	6.1	7.3	8460	486	942	322	8.3	342	4300	186	1.37	133	1.2	0.18	< 0.001	< 0.01
EPA 07	10/13/1998	no data	6.1	8.09	8150	481	951	327	8.4	325	4730	183	1.58	139	1.3	0.24	< 0.001	< 0.01
EPA 07	1/12/1999	6903.00	6	7.7	8180	424	900	294	8.6	345	4750	189	1.31	137	< 1	0.13	< 0.001	< 0.01
EPA 07	4/13/1999	6903.00	6	7.26	8020	468	926	308	7.9	355	4320	186	1.31	140	< 1	0.29	< 0.001	< 0.01
EPA 07	7/20/1999	6903.06	6.06	7.2	8120	491	880	307	9.5	361	4500	166	1.11	130	< 1	< 0.1	< 0.001	< 0.01
EPA 07	10/12/1999	6903.20	6.01	7.5	7940	476	903	300	8.4	366	4370	187	1.15	134	1.4	0.18	< 0.001	< 0.01
EPA 07	1/11/2000	6902.80	6.1	7.73	7890	439	846	284	8.9	367	4000	171	0.9	122	1.3	0.29	< 0.001	< 0.01
EPA 07	5/3/2000	6902.50	5.9	7.28	7750	430	827	306	10.6	362	3870	168	0.99	138	1.2	2.9	< 0.001	< 0.01
EPA 07	7/11/2000	6902.20	5.8	7.28	7630	488	897	321	7.54	399	4160	167	0.75	150	1.9	3.57	< 0.001	< 0.01
EPA 07	10/3/2000	6902.30	5.88	6.66	7540	474	889	309	8.7	444	3970	169	0.55	135	1.1	4.37	< 0.001	< 0.01
EPA 07	1/9/2001	6902.40	6.06	6.83	7580	468	845	277	7.7	453	4040	180	0.72	124	< 1	4.61	< 0.001	< 0.01
EPA 07	4/3/2001	6902.05	6.1	7.14	7590	551	964	294	7.1	456	4410	177	0.71	133	2.3	2.81	< 0.001	< 0.01
EPA 07	7/17/2001	6901.70	6.33	6.68	7670	451	838	284	8.3	498	3660	233	0.64	130	1.8	2.6	< 0.001	< 0.01
EPA 07	10/9/2001	6901.75	5.9	6.6	7670	450	820	285	8.7	515	3800	216	0.56	132	< 1	1.77	< 0.001	< 0.01
EPA 07	1/14/2002	6901.75	6.09	6.6	7670	541	923	275	9.3	526	4050	217	0.49	121	1.7	2.3	< 0.001	< 0.01
EPA 07	4/9/2002	6901.36	6.01	6.85	7720	465	821	304	7.8	537	3950	192	0.6	124	< 1	1.5	< 0.001	< 0.01
EPA 07	7/16/2002	6901.25	6.22	7.17	7720	465	841	303	9.6	542	3950	208	0.7	131	< 1	1.3	< 0.001	< 0.01
EPA 07	10/15/2002	6901.17	6.67	7.13	6430	531	932	316	7.9	544	4420	180	0.64	141	< 1	1.7	< 0.001	< 0.01
EPA 07	1/14/2003	6901.09	7.23	7.03	7630	435	792	404	12.3	545	3620	170	0.99	128	< 1	1.6	< 0.001	< 0.01
EPA 07	4/14/2003	6900.86	6.19	6.76	7520	476	892	325	12.5	542	4110	196	0.68	132	< 1	1.7	< 0.001	< 0.01
EPA 07	7/9/2003	6900.68	6.61	7.09	6030	491	863	294	9.2	547	4150	178	0.74	125	1.3	0.9	< 0.001	< 0.01
EPA 07	10/14/2003	6900.61	5.87	6.90	7660	548	933	314	7.8	551	4270	196	0.52	131	1.3	0.8	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
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Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 07	7/14/1998	< 0.005	0.1	< 0.05	15.1	< 0.1	0.12	< 0.001	< 0.1	0.0023	1.1	2.1	3.2	< 0.2	< 1	< 1
EPA 07	10/13/1998	< 0.005	0.1	< 0.05	13.4	< 0.1	0.14	< 0.001	< 0.1	0.0019	1.7	1.8	3.5	< 0.2	4.9	4.9
EPA 07	1/12/1999	0.007	0.09	< 0.05	12.6	< 0.1	0.08	< 0.001	< 0.1	0.011	3.2	3.7	6.9	< 0.2	< 1	< 1
EPA 07	4/13/1999	< 0.005	0.09	< 0.05	12.5	< 0.1	0.11	< 0.001	< 0.1	0.0017	1.2	2.1	3.3	< 0.2	3.8	3.8
EPA 07	7/20/1999	< 0.005	0.1	< 0.05	9.3	< 0.1	< 0.05	< 0.001	< 0.1	0.0019	3	< 1	3	< 0.2	5.2	5.2
EPA 07	10/12/1999	< 0.005	0.07	< 0.05	11.8	< 0.1	0.08	< 0.001	< 0.1	0.0009	< 0.2	3.3	3.3	< 0.2	< 1	1.1
EPA 07	1/11/2000	< 0.005	0.08	< 0.05	9.94	< 0.1	0.13	< 0.001	< 0.1	0.0021	1.2	< 1	1.2	< 0.2	< 1	2.3
EPA 07	5/3/2000	< 0.005	0.08	< 0.05	11.4	< 0.1	0.1	< 0.001	< 0.1	0.0032	1.5	1.6	3.1	< 0.2	< 1	2.6
EPA 07	7/11/2000	< 0.005	0.07	< 0.05	9.69	< 0.1	< 0.05	< 0.001	< 0.1	0.0026	1.4	3.4	4.8	< 0.2	< 1	2.8
EPA 07	10/3/2000	< 0.005	0.06	< 0.05	8.27	< 0.1	< 0.05	< 0.001	< 0.1	0.0024	0.8	1.8	2.6	< 0.2	< 1	1.9
EPA 07	1/9/2001	< 0.005	0.06	< 0.05	7.44	< 0.1	0.09	< 0.001	< 0.1	0.0021	0.9	2.9	3.8	< 0.2	< 1	< 1
EPA 07	4/3/2001	< 0.005	0.06	< 0.05	6.63	< 0.1	0.09	< 0.001	< 0.1	0.002	1.1	< 1	1.1	< 0.2	< 1	1.7
EPA 07	7/17/2001	< 0.005	0.05	< 0.05	6.92	< 0.1	0.07	< 0.001	< 0.1	0.002	1.4	< 1	1.4	< 0.2	< 1	< 1
EPA 07	10/9/2001	< 0.005	0.03	< 0.05	5.43	< 0.1	< 0.05	< 0.001	< 0.1	0.0015	1	< 1	1	< 0.2	< 1	< 1
EPA 07	1/14/2002	< 0.005	0.05	< 0.05	6.51	< 0.1	0.08	< 0.001	< 0.1	0.0022	1.1	4.4	5.5	< 0.2	< 1	1.3
EPA 07	4/9/2002	< 0.005	0.05	< 0.05	6.09	< 0.1	0.08	< 0.001	< 0.1	0.002	0.5	< 1	0.5	< 0.2	< 1	1.7
EPA 07	7/16/2002	< 0.005	0.04	< 0.05	5.32	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	1	< 1	1	< 0.2	< 1	2.7
EPA 07	10/15/2002	< 0.005	0.04	< 0.05	5.66	< 0.1	0.07	< 0.001	< 0.1	0.0024	0.9	< 1	0.9	< 0.2	< 1	1.3
EPA 07	1/14/2003	< 0.005	0.04	< 0.05	4.94	< 0.1	0.06	< 0.001	< 0.1	0.0025	0.8	< 1	0.8	< 0.2	< 1	2.5
EPA 07	4/14/2003	< 0.005	0.04	< 0.05	4.94	< 0.1	< 0.05	< 0.001	< 0.1	0.0022	1.3	< 1	1.3	< 0.2	< 1	2.8
EPA 07	7/9/2003	< 0.005	0.04	< 0.05	4.64	< 0.1	< 0.05	< 0.001	< 0.1	0.0013	0.9	< 1	0.9	< 0.2	< 1	< 1.0
EPA 07	10/14/2003	< 0.005	0.03	< 0.05	4.62	< 0.1	< 0.05	< 0.001	< 0.1	0.0023	< 0.2	< 1	ND	< 0.2	< 1	< 1.0

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 08	7/26/1989	6857.40	6.8	5.89	4304	521	366	222	8.1	163	3007	35.9	0.88	0.06	< 1	< 0.1	< 0.001	< 0.05
EPA 08	10/5/1989	6858.00	6.5	6.96	4454	513	379	206	9.9	169	2863	35.4	0.84	0.09	< 1	0.13	< 0.001	< 0.05
EPA 08	1/16/1990	6858.50	6.5	6.4	4478	486	348	209	8.15	165	2860	33.2	0.91	0.11	< 1	< 0.1	0.001	< 0.05
EPA 08	4/17/1990	6858.70	6.4	6.61	4577	496	344	210	7.9	165	2738	36.3	0.93	0.16	< 1	< 0.1	0.001	< 0.05
EPA 08	7/17/1990	6858.70	6.5	6.46	4699	613	431	183	8.5	159	2893	35.7	0.54	0.06	< 1	0.14	0.002	< 0.05
EPA 08	10/16/1990	6859.20	6.5	6.73	4681	509	383	189	8	148	3053	43.4	0.71	0.03	< 1	< 0.1	0.002	< 0.05
EPA 08	1/8/1991	6859.40	6.5	6.5	4648	530	387	194	19	159	2959	39.4	0.86	0.04	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/17/1991	6860.00	6.4	7.18	4833	543	379	198	8.1	140	3164	45.4	0.82	3.3	< 1	0.16	< 0.001	< 0.01
EPA 08	7/3/1991	6859.90	6.3	6.4	4711	514	373	161	7.1	141	3242	22.1	0.86	0.06	< 1	0.6	0.002	< 0.01
EPA 08	10/22/1991	6860.50	6.3	6.29	4612	497	366	182	7.6	166	2998	39.6	1.01	0.23	< 1	0.24	< 0.001	< 0.01
EPA 08	1/22/1992	6860.80	6.4	6.51	4311	525	376	155	7.3	128	3014	73.4	0.88	< 0.01	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/2/1992	6860.80	6.3	7.65	4704	559	394	203	8.8	165	3034	36.4	0.98	< 0.01	< 1	< 0.1	0.001	< 0.01
EPA 08	7/15/1992	6860.10	6.4	6.64	4809	521	388	176	7.7	126	3120	39.6	0.58	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 08	10/14/1992	6860.30	6.6	6.47	4762	536	384	159	9.4	132	3158	39.3	0.66	< 0.1	< 1	0.21	0.001	< 0.01
EPA 08	1/13/1993	6860.10	6.6	6.63	4739	528	637	157	7.8	147	3159	37.7	1.08	< 0.1	< 1	0.2	< 0.001	< 0.01
EPA 08	4/15/1993	6861.00	6.6	6.53	4910	479	359	183	6.6	125	3019	40.8	0.8	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 08	7/20/1993	6862.80	6.6	7.1	4144	562	352	159	7.9	134	2956	39.6	0.69	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 08	10/12/1993	6859.40	6.7	6.19	4366	561	370	169	7.1	117	3110	36.9	0.71	< 0.1	< 1	0.16	< 0.001	< 0.01
EPA 08	1/11/1994	6861.30	6.7	6.46	4765	528	366	177	6.7	111	3197	39.4	0.74	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/20/1994	6861.40	6.5	6.22	4532	530	368	162	6.4	116	3154	39.6	1.33	< 0.1	< 1	0.1	0.001	< 0.01
EPA 08	7/26/1994	6862.60	6.5	7.13	4389	592	379	142	7.5	109	3049	38.7	0.72	< 0.1	< 1	0.12	< 0.001	< 0.01
EPA 08	10/11/1994	6861.50	6.5	6.9	4809	572	425	157	7.5	119	3367	41.5	1.08	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	1/10/1995	6861.70	6.4	6.62	4848	644	388	142	8.5	139	3277	42	1.31	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/6/1995	6861.60	6.5	6.48	4867	651	345	154	7.5	108	3364	40.2	1.52	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	7/11/1995	6861.80	6.9	7.05	4212	550	408	144	7.3	127	2906	42	1.29	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	10/10/1995	6861.90	6.6	7.13	4348	575	411	160	7.3	127	2965	38.4	0.93	< 0.1	< 1	< 0.1	0.002	< 0.01
EPA 08	1/9/1996	6862.00	6.7	7.29	4185	545	401	156	7.9	162	2863	37.6	0.68	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/10/1996	6862.20	6.9	7.24	4857	620	444	148	7.6	149	3460	41.8	0.75	< 0.1	< 1	< 0.1	0.001	< 0.01
EPA 08	7/17/1996	6862.30	6.8	6.63	4876	560	395	159	8	165	3085	37.6	0.13	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	10/8/1996	6862.30	6.6	6.98	4880	603	441	157	8	148	3061	39	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	1/28/1997	6862.30	6.9	7.31	4870	565	415	141	7.6	143	3130	51	0.69	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/15/1997	6862.40	6.6	7.1	4890	604	440	160	8.2	156	3330	42	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	7/15/1997	6862.20	6.6	7.11	4860	603	432	145	7.8	138	3200	45.2	0.73	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	10/15/1997	6862.40	6.5	7.49	4850	617	444	147	7.6	133	3190	53.7	0.75	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	1/20/1998	6863.00	6.6	7.53	4840	598	439	156	8.4	133	3400	45.3	1.12	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	4/14/1998	6862.70	6.7	6.93	4850	592	431	151	7.8	159	3300	39.6	0.74	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	7/14/1998	6862.40	6.6	7.17	4820	594	430	154	8.3	132	3000	39.7	0.85	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	10/13/1998	no data	6.47	7.58	4780	566	428	156	8.3	134	3150	38.5	1.07	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	1/12/1999	6865.50	6.6	7.2	4840	594	432	139	8	130	3200	41	0.81	< 0.1	< 1	< 0.1	0.003	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 08	7/26/1989	<0.01	<0.01	<0.05	3	<0.1	<0.05	<0.001	<0.1	0.0012	1.5	1.6	3.1	0.9	1.7	<1
EPA 08	10/5/1989	<0.01	<0.01	<0.05	2.9	<0.01	<0.05	<0.001	<0.1	0.004	1	<1	1	<0.2	2.1	1.5
EPA 08	1/16/1990	<0.01	<0.01	<0.05	3.3	<0.1	<0.05	<0.001	<0.1	0.003	0.8	2.5	3.3	<0.2	<1	0.9
EPA 08	4/17/1990	<0.01	<0.01	<0.05	3	<0.1	<0.05	<0.001	<0.1	0.003	1.4	1	2.4	<0.2	1.7	1.9
EPA 08	7/17/1990	<0.01	<0.01	<0.05	3.41	<0.1	<0.05	<0.001	<0.1	0.0019	0.6	<1	0.6	<0.2	<1	<1
EPA 08	10/16/1990	<0.01	<0.01	<0.05	3.4	<0.1	<0.05	<0.001	<0.1	0.0007	0.7	2.5	3.2	<0.2	<1	<1
EPA 08	1/8/1991	<0.01	<0.01	<0.05	3.32	<0.1	<0.05	<0.001	<0.1	0.0027	2.3	1.2	3.5	<0.2	<1	2
EPA 08	4/17/1991	<0.01	<0.01	<0.05	3.82	<0.1	<0.05	<0.001	<0.1	0.002	2.1	4.5	6.6	<0.2	<1	2
EPA 08	7/3/1991	<0.01	<0.01	<0.05	2.93	<0.1	<0.05	<0.001	<0.1	0.0015	0.9	2	2.9	<0.2	<1	<1
EPA 08	10/22/1991	<0.01	0.02	<0.05	3.22	<0.1	<0.05	<0.001	<0.1	0.0436	0.8	2	2.8	<0.2	<1	<1
EPA 08	1/22/1992	<0.01	<0.01	0.05	2.88	<0.1	<0.05	<0.001	<0.1	0.001	5.4	<1	5.4	<0.2	1.3	5
EPA 08	4/2/1992	<0.01	<0.01	<0.05	3.43	<0.1	<0.05	<0.001	<0.1	0.001	0.5	3.8	4.3	<0.2	<1	<1
EPA 08	7/15/1992	<0.01	<0.01	<0.05	3.17	<0.1	<0.05	<0.001	<0.1	0.003	1.2	5.6	6.8	<0.2	<1	1.5
EPA 08	10/14/1992	<0.01	<0.01	<0.05	3.09	<0.1	<0.05	<0.001	<0.1	<0.0003	1.7	1.7	3.4	<0.2	<1	1.9
EPA 08	1/13/1993	<0.01	<0.01	<0.05	3.46	<0.1	<0.05	<0.001	<0.1	<0.0003	0.4	10.7	11.1	<0.2	<1	<1
EPA 08	4/15/1993	<0.01	<0.01	<0.05	3.05	<0.1	<0.05	<0.001	<0.1	0.006	0.5	3.8	4.3	<0.2	<1	<1
EPA 08	7/20/1993	<0.01	<0.01	<0.05	2.78	<0.1	<0.05	<0.001	<0.1	<0.003	1	3.4	4.4	<0.2	<1	1.4
EPA 08	10/12/1993	<0.01	0.02	<0.05	2.8	<0.1	<0.05	<0.001	<0.1	0.002	1.5	5.5	7	<0.2	<1	2
EPA 08	1/11/1994	<0.01	<0.01	<0.05	3.07	<0.1	<0.05	<0.001	<0.1	0.006	1.1	5	6.1	<0.2	<1	9.6
EPA 08	4/20/1994	<0.01	<0.01	<0.05	2.49	<0.1	<0.05	<0.001	<0.1	0.001	1.3	3.5	4.8	<0.2	1.3	6.7
EPA 08	7/26/1994	<0.01	<0.01	<0.05	3.12	<0.1	<0.05	<0.001	<0.1	<0.0003	1.9	3.4	5.3	<0.2	<1	7.2
EPA 08	10/11/1994	<0.01	<0.01	<0.05	2.46	<0.1	<0.05	<0.001	<0.1	0.001	1.2	1.8	3	<0.2	<1	4.1
EPA 08	1/10/1995	<0.01	<0.01	<0.05	2.95	<0.1	<0.05	<0.001	<0.1	0.001	2.3	2.6	4.9	<0.2	<1	6.4
EPA 08	4/6/1995	<0.01	<0.01	<0.05	3.15	<0.1	<0.05	<0.001	<0.1	0.001	1.1	2.7	3.8	<0.2	<1	5.3
EPA 08	7/11/1995	<0.01	<0.01	<0.05	2.92	0.27	<0.05	<0.001	<0.1	0.0016	0.7	2.2	2.9	0.5	4.9	6.6
EPA 08	10/10/1995	<0.01	<0.01	<0.05	2.99	<0.1	<0.05	<0.001	<0.1	0.0017	1.7	2.2	3.9	<0.2	<1	1.8
EPA 08	1/9/1996	<0.01	<0.01	<0.05	2.8	0.13	<0.05	<0.001	<0.1	0.001	1	1.5	2.5	<0.2	3.8	<1
EPA 08	4/10/1996	<0.01	<0.01	<0.05	2.96	0.14	<0.05	<0.001	<0.1	0.0006	1.2	1.3	2.5	0.7	<1	1.2
EPA 08	7/17/1996	<0.01	<0.01	<0.05	3.21	<0.1	<0.05	0.002	<0.1	0.0016	0.7	<1	0.7	0.8	<1	<1
EPA 08	10/8/1996	<0.01	<0.01	<0.05	3	<0.1	<0.05	<0.001	<0.1	0.0005	0.9	<1	0.9	<0.2	<1	<1
EPA 08	1/28/1997	<0.01	<0.01	<0.05	3.07	<0.1	<0.05	<0.001	<0.1	0.001	1.1	<1	1.1	<0.2	<1	1.1
EPA 08	4/15/1997	<0.01	<0.01	<0.05	3.01	<0.1	<0.05	<0.001	<0.1	<0.0003	1.1	<1	1.1	<0.2	<1	<1
EPA 08	7/15/1997	<0.01	<0.01	<0.05	2.82	<0.1	<0.05	<0.001	<0.1	<0.0003	0.7	<1	0.7	<0.2	<1	<1
EPA 08	10/15/1997	<0.01	<0.01	<0.05	3.24	<0.1	<0.05	<0.001	<0.1	0.001	0.7	<1	0.7	<0.2	<1	<1
EPA 08	1/20/1998	<0.005	<0.01	<0.05	3.42	<0.1	<0.05	<0.001	<0.1	0.001	1.1	<1	1.1	<0.2	<1	<1
EPA 08	4/14/1998	<0.005	<0.01	<0.05	2.99	<0.1	<0.05	<0.001	<0.1	0.0009	1	<1	1	<0.2	<1	<1
EPA 08	7/14/1998	<0.005	<0.01	<0.05	2.84	<0.1	<0.05	<0.001	<0.1	0.0009	0.9	<1	0.9	<0.2	<1	<1
EPA 08	10/13/1998	<0.005	<0.01	<0.05	3.05	<0.1	<0.05	<0.001	<0.1	0.001	1.4	3.8	5.2	<0.2	2.3	2.3
EPA 08	1/12/1999	<0.005	<0.01	<0.05	2.98	<0.1	<0.05	<0.001	<0.1	0.0038	1	2.3	3.3	<0.2	<1	<1

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Water Elevation	Field pH	Lab pH	Lab TDS	Ca	Mg	Na	K	HCO3	SO4	Chl	NH4 as N	NO3 as N	Chloroform	Al	As	Be
		ft amsl	SU	SU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	NA	0.05	0.05
	EPA Standard	NA	NA	NA	4800	NA	NA	NA	NA	NA	2125	250	NA	190	NA	5	0.05	0.017
EPA 08	4/13/1999	6863.30	6.6	7.35	4630	558	420	136	7.7	131	3000	45.7	0.91	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	7/20/1999	6863.00	6.36	7.18	4780	514	379	169	10.3	119	2710	47	0.76	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	10/12/1999	6862.90	6.45	7.44	4790	552	414	133	7.7	121	3000	42.9	0.71	< 0.1	< 1	< 0.1	< 0.001	< 0.01
EPA 08	1/11/2000	6863.20	6.6	7.29	4720	510	387	127	8.1	125	2750	39.3	0.79	< 0.1	< 1	< 0.1	< 0.001	< 0.01

TABLE C.1
ZONE 1 DATA SUMMARY
1989-2003

Location ID	Sample Date	Cd	Co	Pb	Mn	Mo	Ni	Se	V	U	Rad-226	Rad-228	Rad Total	Th-230	Pb-210	Gross Alpha
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	pci/l	pci/l	pci/l	pci/l	pci/l	pci/l
	NRC Standard	0.01	NA	0.05	NA	NA	0.05	0.01	0.1	0.3	NA	NA	5	5	1	15
	EPA Standard	0.01	0.05	0.05	2.6	1	0.2	0.01	0.7	5	NA	NA	5	NA	NA	15
EPA 08	4/13/1999	< 0.005	< 0.01	< 0.05	2.98	< 0.1	< 0.05	< 0.001	< 0.1	0.0011	2	3.4	5.4	< 0.2	3	3
EPA 08	7/20/1999	< 0.005	< 0.01	< 0.05	2.4	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	1.4	1.5	2.9	< 0.2	1.8	1.8
EPA 08	10/12/1999	< 0.005	< 0.01	< 0.05	3.08	< 0.1	< 0.05	< 0.001	< 0.1	< 0.0003	0.9	4.2	5.1	< 0.2	< 1	1.6
EPA 08	1/11/2000	< 0.005	< 0.01	< 0.05	2.99	< 0.1	< 0.05	< 0.001	< 0.1	0.0016	0.9	2.6	3.5	< 0.2	< 1	< 1

LABORATORY ANALYTICAL DATA
2003

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	515-A	515-A	515-A	515-A
LABORATORY ID:	C03010390-002	C03040537-002	C03070475-002	C03100452-002
SAMPLE DATE/TIME:	01/08/2003 09:25	04/09/2003 9:45	07/09/2003 09:25	10/08/2003 09:45
DATE RECEIVED:	01/13/2003 10:00	04/11/2003 10:00	07/11/2003 10:00	10/10/2003 10:00
REPORT DATE:	February 4, 2003	May 1, 2003	August 15, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-1-1-2003	TE-3-4-2003	TE-5-7-2003	TE-7-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	385	443	450	453
Magnesium	EPA 200.7	mg/L	1.0	720	816	814	843
Sodium	EPA 200.7	mg/L	1.0	392	402	450	427
Potassium	EPA 200.7	mg/L	1.0	13.1	18.9	14.5	12.4
Bicarbonate	SM 2320-B	mg/L	0.10	209	198	203	190
Sulfate	EPA 200.7	mg/L	1.0	3810	4050	4500	4470
Chloride	EPA 200.7	mg/L	1.0	223	270	246	232
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	3.16	2.81	3.11	2.98
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	57.0	58.0	61.0	59.0
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7640	7680	6250	7800
pH	SM 4500-H-B	std. units	0.10	6.74	6.37	6.41	6.20
Trace Metals, dissolved							
Aluminum	EPA 200.7	mg/L	0.10	2.40	2.40	2.60	2.60
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.09	0.09	0.09	0.09
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	14.8	13.8	15.7	14.8
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.21	0.22	0.26	0.25
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0012	0.0011	0.0008	0.0014
Radium 226	EPA 903.0	pCi/L	0.2	4.0	3.3	2.4	2.2
Radium Error Estimate ±				0.1	0.9	0.5	0.4
Radium 228	EPA 904.0	pCi/L	1.0	5.4	7.0	6.3	2.5
Radium Error Estimate ±				1.0	2.0	1.6	1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	5.0	3.5	3.9	5.3
G. Alpha Error Estimate ±				1.0	1.0	1.0	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	162	166	237	148

Quality Assurance Data		Target Range				
Anion	meq		93	99	108	107
Cation	meq		98	109	111	113
SM A/C Balance	%	-5 - +5	2.36	4.65	1.36	2.65
Calc TDS	mg/L		5919	6373	6866	6812
TDS A/C Balance	dec. %	0.80 - 1.20	1.29	1.21	0.91	1.14

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	604	604	604	604
LABORATORY ID:	C03010390-003	C03040793-001	C03070475-003	C03100452-003
SAMPLE DATE/TIME:	01/08/2003 10:00	04/14/2003 09:00	07/09/2003 09:55	10/08/2003 10:25
DATE RECEIVED:	01/13/2003 10:00	04/18/2003 10:00	07/11/2003 10:00	10/10/2003 10:00
REPORT DATE:	February 4, 2003	May 12, 2003	August 15, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-1-1-2003	TE-4-4-2003	TE-5-7-2003	TE-7-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	423	454	440	427
Magnesium	EPA 200.7	mg/L	1.0	783	860	794	714
Sodium	EPA 200.7	mg/L	1.0	230	293	261	268
Potassium	EPA 200.7	mg/L	1.0	10.7	15.3	13.3	10.6
Bicarbonate	SM 2320-B	mg/L	0.10	6.7	6.7	6.7	8.5
Sulfate	EPA 200.7	mg/L	1.0	4250	4690	4500	4320
Chloride	EPA 200.7	mg/L	1.0	48.4	55.8	57.7	50.5
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.88	0.78	1.08	0.74
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	61.0	71.0	66.0	68.0
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7440	7360	7470	7450
pH	SM 4500-H-B	std. units	0.10	4.76	4.64	4.75	4.79
Trace Metals, dissolved							
Aluminum	EPA 200.7	mg/L	0.10	12.9	11.8	11.7	13.7
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.006	< 0.005	0.006	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.29	0.26	0.29	0.31
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	10.9	9.91	11.9	11.3
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.32	0.28	0.32	0.34
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0019	0.0019	0.0008	0.0023
Radium 226	EPA 903.0	pCi/L	0.2	3.6	2.8	1.8	1.4
Radium Error Estimate ±				0.5	0.4	0.4	0.3
Radium 228	EPA 904.0	pCi/L	1.0	6.8	15.3	8.2	3.5
Radium Error Estimate ±				1.1	2.2	1.7	1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	4.7	8.4	4.0	5.8
G. Alpha Error Estimate ±				1.0	1.6	1.0	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	3.8	< 1.0	2.4	2.8

Quality Assurance Data		Target Range				
Anion	meq		94	104	100	96
Cation	meq		97	108	101	93
SM A/C Balance	%	-5 - +5	1.54	1.71	0.19	-1.57
Calc TDS	mg/L		6031	6697	6375	6108
TDS A/C Balance	dec. %	0.80 - 1.20	1.23	1.10	1.17	1.22

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	614	614	614	614
LABORATORY ID:	C03010390-001	C03040537-001	C03070475-001	C03100452-001
SAMPLE DATE/TIME:	01/08/2003 08:40	04/09/2003 9:00	07/09/2003 08:40	10/08/2003 09:00
DATE RECEIVED:	01/13/2003 10:00	04/11/2003 10:00	07/11/2003 10:00	10/10/2003 10:00
REPORT DATE:	February 4, 2003	May 1, 2003	August 15, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-1-1-2003	TE-3-4-2003	TE-5-7-2003	TE-7-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	519	559	559	579
Magnesium	EPA 200.7	mg/L	1.0	598	640	609	576
Sodium	EPA 200.7	mg/L	1.0	465	434	467	460
Potassium	EPA 200.7	mg/L	1.0	12.1	16.5	12.0	9.80
Bicarbonate	SM 2320-B	mg/L	0.10	1470	1450	1430	1330
Sulfate	EPA 200.7	mg/L	1.0	3020	2918	3060	3060
Chloride	EPA 200.7	mg/L	1.0	247	334	314	312
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	81.0	76.0	58.0	50.0
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	74.0	72.0	73.0	71.0
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6680	6840	6430	6670
pH	SM 4500-H-B	std. units	0.10	7.60	7.13	7.38	7.32
Trace Metals, dissolved							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.25	0.22	0.25	0.24
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0573	0.0536	0.0403	0.0468
Radium 226	EPA 903.0	pCi/L	0.2	1.2	< 0.2	0.5	0.6
Radium Error Estimate ±				0.2	-	0.3	0.3
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	4.0	< 1.0	2.9
Radium Error Estimate ±				-	2.0	-	1.4
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	2.1	1.6	< 1.0	2.0
G. Alpha Error Estimate ±				1.0	1.0	-	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	222	248	285	192

Quality Assurance Data		Target Range				
Anion	meq		99	99	101	99
Cation	meq		102	106	103	101
SM A/C Balance	%	-5 - +5	1.42	3.37	1.08	0.69
Calc TDS	mg/L		6029	6044	6134	6041
TDS A/C Balance	dec. %	0.80 - 1.20	1.11	1.13	1.05	1.10

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-2	EPA-2	EPA-2	EPA-2
LABORATORY ID:	C03010599-002	C03040793-006	C03070772-001	C03100682-002
SAMPLE DATE/TIME:	01/14/2003 08:50	04/14/2003 09:50	07/14/2003 13:25	10/14/2003 10:25
DATE RECEIVED:	01/20/2003 10:00	04/18/2003 10:00	07/21/2003 10:00	10/17/2003 10:00
REPORT DATE:	February 11, 2003	May 12, 2003	August 26, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-2-1-2003	TE-4-4-2003	TE-6-7-2003	TE-8-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	345	328	352	390
Magnesium	EPA 200.7	mg/L	1.0	154	141	156	172
Sodium	EPA 200.7	mg/L	1.0	172	194	183	194
Potassium	EPA 200.7	mg/L	1.0	6.4	9.0	7.1	6.0
Bicarbonate	SM 2320-B	mg/L	0.10	409	448	436	438
Sulfate	EPA 200.7	mg/L	1.0	1410	1550	1460	1620
Chloride	EPA 200.7	mg/L	1.0	19.6	23.7	25.2	19.4
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.59	0.60	0.50	0.48
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	2700	2740	2750	2710
pH	SM 4500-H-B	std. units	0.10	7.62	7.51	7.62	7.44
Trace Metals, dissolved							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114-C	mg/L	0.001	0.002	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.23	1.28	1.26	1.30
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0014	0.0010	0.0004	0.0013
Radium 226	EPA 903.0	pCi/L	0.2	3.0	1.8	1.6	0.8
Radium Error Estimate ±				0.4	0.3	0.4	0.4
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	10.1	8.7	8.7
Radium Error Estimate ±				-	2.1	1.3	4.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	2.2	2.1	< 1.0	1.4
G. Alpha Error Estimate ±				1.0	1.0	-	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		36.6	40.3	38.3	41.5
Cation		meq		37.8	36.9	38.8	42.5
IM A/C Balance		%	-5 - +5	1.61	-4.38	0.73	1.24
Calc TDS		mg/L		2314	2472	2404	2623
TDS A/C Balance		dec. %	0.80 - 1.20	1.17	1.11	1.14	1.03

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-2 DUPLICATE	EPA-2 DUPLICATE	EPA-2 DUPLICATE	EPA-2 DUPLICATE
LABORATORY ID:	C03010599-003	C03040793-007	C03070772-002	C03100682-003
SAMPLE DATE/TIME:	01/14/2003 09:20	04/15/2003 10:10	07/14/2003 13:45	10/14/2003 10:55
DATE RECEIVED:	01/20/2003 10:00	04/18/2003 10:00	07/21/2003 10:00	10/17/2003 10:00
REPORT DATE:	February 11, 2003	May 12, 2003	August 26, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-2-1-2003	TE-4-4-2003	TE-6-7-2003	TE-8-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	380	346	365	394
Magnesium	EPA 200.7	mg/L	1.0	175	163	164	174
Sodium	EPA 200.7	mg/L	1.0	162	192	185	194
Potassium	EPA 200.7	mg/L	1.0	6.60	8.80	7.30	6.10
Bicarbonate	SM 2320-B	mg/L	0.10	341	333	338	329
Sulfate	EPA 200.7	mg/L	1.0	1590	1520	1550	1600
Chloride	EPA 200.7	mg/L	1.0	23.5	23.3	19.2	21.7
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.69	0.60	0.57	0.55
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	2710	2730	2790	2700
pH	SM 4500-H-B	std. units	0.10	7.38	7.37	7.48	7.52
Trace Metals, dissolved							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.20
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.23	1.25	1.32	1.32
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0013	0.0010	< 0.0003	0.0015
Radium 226	EPA 903.0	pCi/L	0.2	1.9	1.3	1.3	1.0
Radium Error Estimate ±				0.3	0.3	0.4	0.4
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	10.4	9.9	9.7
Radium Error Estimate ±				-	2.1	1.3	1.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.1	pCi/L	1.0	3.0	2.3	< 1.0	1.5
G. Alpha Error Estimate ±				1.0	1.0	-	1.0
Trace Organics							
Chloroform		µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		39.4	37.8	38.4	39.3
Cation	meq		40.9	39.6	40.3	42.9
SM A/C Balance	%	-5 - +5	1.90	2.30	2.39	4.33
Calc TDS	mg/L		2510	2422	2462	2557
TDS A/C Balance	dec. %	0.80 - 1.20	1.08	1.13	1.13	1.06

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-4	EPA-4	EPA-4	EPA-4
LABORATORY ID:	C03010599-006	C03040793-004	C03070772-003	C03100682-004
SAMPLE DATE/TIME:	01/14/2003 11:30	04/14/2003 11:25	07/15/2003 08:55	10/14/2003 13:00
DATE RECEIVED:	01/20/2003 10:00	04/18/2003 10:00	07/21/2003 10:00	10/17/2003 10:00
REPORT DATE:	February 11, 2003	May 12, 2003	August 26, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-2-1-2003	TE-4-4-2003	TE-6-7-2003	TE-8-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	461	538	552	626
Magnesium	EPA 200.7	mg/L	1.0	319	386	374	416
Sodium	EPA 200.7	mg/L	1.0	154	201	186	189
Potassium	EPA 200.7	mg/L	1.0	9.6	12.5	9.3	8.6
Bicarbonate	SM 2320-B	mg/L	0.10	164	162	168	158
Sulfate	EPA 200.7	mg/L	1.0	2420	2940	2880	3140
Chloride	EPA 200.7	mg/L	1.0	30.5	37.9	35.0	38.9
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	1.21	1.17	1.15	0.91
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4720	4770	4820	4760
pH	SM 4500-H-B	std. units	0.10	7.13	7.07	7.30	7.42
Trace Metals, dissolved							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.20
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	3.29	3.33	3.35	3.32
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0005	0.0004	< 0.0003	0.0004
Radium 226	EPA 903.0	pCi/L	0.2	1.9	1.7	1.5	0.5
Radium Error Estimate ±				0.3	0.3	0.4	0.4
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	7.9	3.1	5.6
Radium Error Estimate ±				-	2.0	1.4	1.0
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	2.0	3.0	< 1.0	1.5
G. Alpha Error Estimate ±				1.0	1.0	-	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		54.0	65.0	63.7	69.1
Cation	meq		56.8	68.4	67.4	74.7
SM A/C Balance	%	-5 - +5	2.59	2.56	2.75	3.85
Calc TDS	mg/L		3481	4202	4126	4502
TDS A/C Balance	dec. %	0.80 - 1.20	1.36	1.14	1.17	1.06

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-5	EPA-5	EPA-5	EPA-5
LABORATORY ID:	C03010599-005	C03040793-003	C03070475-005	C03100682-005
SAMPLE DATE/TIME:	01/14/2003 10:45	04/14/2003 10:40	07/09/2003 11:15	10/14/2003 13:45
DATE RECEIVED:	01/20/2003 10:00	04/18/2003 10:00	07/11/2003 10:00	10/17/2003 10:00
REPORT DATE:	February 11, 2003	May 12, 2003	August 15, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-2-1-2003	TE-4-4-2003	TE-5-7-2003	TE-8-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	429	455	486	523
Magnesium	EPA 200.7	mg/L	1.0	524	569	580	528
Sodium	EPA 200.7	mg/L	1.0	145	160	139	144
Potassium	EPA 200.7	mg/L	1.0	15.1	15.8	12.6	11.3
Bicarbonate	SM 2320-B	mg/L	0.10	160	146	138	132
Sulfate	EPA 200.7	mg/L	1.0	2930	3210	3420	3390
Chloride	EPA 200.7	mg/L	1.0	67.9	80.2	72.4	75.8
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	13.9	12.6	13.2	11.6
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	28.9	29.8	25.9	25.9
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5320	5350	5340	5310
pH	SM 4500-H-B	std. units	0.10	6.75	6.75	6.99	7.02
Trace Metals, dissolved							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.40
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.10	0.11	0.10	0.10
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.22	1.41	1.29	1.28
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.09	0.09	0.07	0.08
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0030	0.0020	0.0006	0.0019
Radium 226	EPA 903.0	pCi/L	0.2	1.1	1.5	1.6	0.8
Radium Error Estimate ±				0.2	0.3	0.4	0.4
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	3.5	< 1.0	3.5
Radium Error Estimate ±				-	1.9	-	1.0
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	2.3	3.2	< 1.0	2.1
G. Alpha Error Estimate ±				1.0	1.1	-	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		67.6	73.7	77.4	76.8
Cation		meq		72.9	78.5	80.0	77.6
IM A/C Balance		%	-5 - +5	3.72	3.19	1.66	0.53
Calc TDS		mg/L		4338	4713	4912	4869
TDS A/C Balance		dec. %	0.80 - 1.20	1.23	1.14	1.09	1.09

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE I MONITOR WELLS

WELL ID:	EPA-7	EPA-7	EPA-7	EPA-7
LABORATORY ID:	C03010599-004	C03040793-002	C03070475-004	C03100682-006
SAMPLE DATE/TIME:	01/14/2003 10:15	04/14/2003 10:00	07/09/2003 10:35	10/14/2003 14:25
DATE RECEIVED:	01/20/2003 10:00	04/18/2003 10:00	07/11/2003 10:00	10/17/2003 10:00
REPORT DATE:	February 11, 2003	May 12, 2003	August 15, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-2-1-2003	TE-4-4-2003	TE-5-7-2003	TE-8-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	435	476	491	548
Magnesium	EPA 200.7	mg/L	1.0	792	892	863	933
Sodium	EPA 200.7	mg/L	1.0	404	325	294	314
Potassium	EPA 200.7	mg/L	1.0	12.3	12.5	9.2	7.8
Bicarbonate	SM 2320-B	mg/L	0.10	545	542	547	551
Sulfate	EPA 200.7	mg/L	1.0	3620	4110	4150	4270
Chloride	EPA 200.7	mg/L	1.0	170	196	178	196
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	0.99	0.68	0.74	0.52
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	128	132	125	131
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7630	7520	6030	7660
pH	SM 4500-H-B	std. units	0.10	7.03	6.76	7.09	6.90
Trace Metals, dissolved							
Aluminum	EPA 200.7	mg/L	0.10	1.60	1.70	0.90	0.80
Arsenic III	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.04	0.04	0.04	0.03
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	4.94	4.94	4.64	4.62
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.06	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0025	0.0022	0.0013	0.0023
Radium 226	EPA 903.0	pCi/L	0.2	0.8	1.3	0.9	< 0.2
Radium Error Estimate ±				0.2	0.3	0.3	-
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±				-	-	-	-
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	2.5	2.8	< 1.0	< 1.0
G. Alpha Error Estimate ±				1.0	1.0	-	-
Trace Organics							<1.0 (12-24-03)
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	1.3	1.3 X
Quality Assurance Data			**Target Range**				
Anion		meq		98	109	109	113
Cation		meq		106	113	110	119
SM A/C Balance		%	-5 - +5	3.76	1.55	0.19	2.77
Calc TDS		mg/L		6279	6873	6818	7130
TDS A/C Balance		dec. %	0.80 - 1.20	1.22	1.09	0.88	1.07

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	TWQ-142	TWQ-142	TWQ-142	TWQ-142
LABORATORY ID:	C03010599-001	C03040793-005	C03070772-004	C03100682-001
SAMPLE DATE/TIME:	01/13/2003 14:26	04/14/2003 13:30	07/15/2003 10:00	10/13/2003 09:20
DATE RECEIVED:	01/20/2003 10:00	04/18/2003 10:00	07/21/2003 10:00	10/17/2003 10:00
REPORT DATE:	February 11, 2003	May 12, 2003	August 26, 2003	November 11, 2003
QUARTER REPRESENTED:	First 2003	Second 2003	Third 2003	Fourth 2003
UNC SUBMITTAL #:	TE-2-1-2003	TE-4-4-2003	TE-6-7-2003	TE-8-10-2003

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	1.0	24.1	22.5	23.1	24.5
Magnesium	EPA 200.7	mg/L	1.0	8.60	8.70	8.70	10.0
Sodium	EPA 200.7	mg/L	1.0	313	315	315	319
Potassium	EPA 200.7	mg/L	1.0	3.3	5.6	4.3	3.1
Bicarbonate	SM 2320-B	mg/L	0.10	255	245	245	235
Sulfate	EPA 200.7	mg/L	1.0	526	555	517	553
Chloride	EPA 200.7	mg/L	1.0	21.3	18.4	20.8	21.6
Ammonia as N	SM 4500-NH3-G	mg/L	0.05	< 0.05	< 0.05	0.17	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	0.20	0.20	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	1060	1080	1100	1070
pH	SM 4500-H-B	std. units	0.10	7.93	7.76	7.99	8.04
Trace Metals, dissolved							
Aluminum	EPA 200.7	mg/L	0.10	1.10	< 0.10	0.40	0.40
Arsenic III	SM 3114-C	mg/L	0.001	0.003	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.03	0.02	0.05	0.09
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114-C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics, dissolved							
Uranium	EPA 200.8	mg/L	0.0003	0.0004	0.0003	< 0.0003	0.0061
Radium 226	EPA 903.0	pCi/L	0.2	1.0	< 0.2	0.3	< 0.2
Radium Error Estimate ±				0.2	-	0.2	-
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±				-	-	-	-
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±				-	-	-	-
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				-	-	-	-
Gross Alpha-Rn & U	EPA 900.0	pCi/L	1.0	1.9	1.1	< 1.0	< 1.0
G. Alpha Error Estimate ±				1.0	1.0	-	-
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		15.7	16.1	15.4	16.0
Cation	meq		15.6	15.7	15.7	16.0
SM A/C Balance	%	-5 - +5	-0.40	-1.31	1.01	0.08
Calc TDS	mg/L		1024	1049	1013	1049
TDS A/C Balance	dec. %	0.80 - 1.20	1.03	1.03	1.09	1.02

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