



Checking a Total Organic Carbon Analyzer Run

Appendix E

Summary of Groundwater Monitoring Data

Table E - 1
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0301	UP (1)									
WNW0301	UP (2)	7.43	641			<3.39E-09	3.31±2.57E-09	<1.00E-07		
WNW0301	UP (3)	7.32	630	1.0	0.016	<4.24E-09	4.90±2.99E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0301	UP (4)	7.44	731	1.6	0.013	<6.84E-09	5.46±2.72E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0301	UP (5)	7.18	665	1.5	0.010	<5.44E-09	<2.71E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0301	UP (6)	7.12	834	1.6	0.031	<6.66E-09	4.23±2.74E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0301	UP (7)	7.00	695	1.6	0.014	<4.77E-09	<2.70E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0301	UP (8)	7.22	933	2.8	<0.005	<4.88E-09	4.90±3.14E-09	<1.00E-07	<2.31E-08	<1.92E-08
WNW0401	UP (1)									
WNW0401	UP (2)	6.38	2205			<1.67E-08	1.33±0.47E-08	<1.00E-07		
WNW0401	UP (3)	6.93	1176	1.9	0.046	<1.59E-08	4.53±3.38E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0401	UP (4)	6.91	2120	8.0	0.044	<1.06E-08	<3.47E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0401	UP (5)	6.18	1006	10.0	0.013	<4.79E-09	6.73±3.13E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0401	UP (6)	6.94	1160	2.6	<0.005	<6.39E-09	6.99±3.15E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0401	UP (7)	6.83	1143	<1.0	0.007	<5.24E-09	6.30±4.32E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0401	UP (8)	6.51	928	2.9	0.006	<5.01E-09	<5.08E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0403	UP (1)									
WNW0403	UP (2)	6.97	603			<3.62E-09	2.82±2.47E-09	<1.00E-07		
WNW0403	UP (3)	6.86	688	3.5	0.022	<3.84E-09	<2.99E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0403	UP (4)	6.93	844	1.9	0.015	<3.51E-09	3.53±3.17E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0403	UP (5)	6.69	749	18.0	0.015	<3.34E-09	4.23±2.61E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0403	UP (6)	7.08	751	2.5	<0.005	<4.96E-09	6.92±2.91E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0403	UP (7)	6.88	641	<1.0	0.005	<1.28E-09	3.78±2.92E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0403	UP (8)	6.90	553	4.2	<0.005	<2.35E-09	<2.53E-09	<1.00E-07	<3.40E-08	2.49±0.95E-08
WNWNB1S	UP (1)									
WNWNB1S	UP (2)	6.32	468			<1.40E-09	<2.43E-09	<1.00E-07		
WNWNB1S	UP (3)	6.11	551	3.0	0.011	<2.26E-09	<2.31E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNWNB1S	UP (4)	6.54	580	7.9	0.006	<2.68E-09	3.36±2.45E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNWNB1S	UP (5)	6.54	719	2.6	0.009	<4.96E-09	4.31±2.45E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNWNB1S	UP (6)	6.91	647	21.0	0.007	<2.11E-09	4.20±2.46E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNWNB1S	UP (7)	6.91	712	3.2	0.021	<1.54E-09	4.30±2.38E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNWNB1S	UP (8)	6.11	625	5.3	<0.005	<1.87E-09	3.14±2.60E-09	1.19±0.78E-07	<3.40E-08	<3.35E-08
WNW0201	DOWN - B (1)									
WNW0201	DOWN - B (2)	6.23	705			<3.19E-09	5.39±0.59E-08	<1.00E-07		
WNW0201	DOWN - B (3)	6.00	882	21.0	0.022	<5.29E-09	7.16±0.71E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0201	DOWN - B (4)	6.83	1100	4.8	0.021	<8.28E-09	4.49±0.58E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0201	DOWN - B (5)	6.11	526	3.2	0.026	<3.82E-09	2.94±0.45E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0201	DOWN - B (6)	6.38	974	1.9	<0.005	1.58±1.39E-08	5.09±0.68E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0201	DOWN - B (7)	6.32	1087	61.0	0.011	<5.26E-09	2.83±0.75E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0201	DOWN - B (8)	6.45	776	3.1	0.006	<3.82E-09	1.16±0.58E-08	<1.00E-07	<3.40E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW8613A	DOWN - B (1)									
WNW8613A	DOWN - B (2)	7.04	653			<1.76E-09	<2.52E-09	<1.00E-07		
WNW8613A	DOWN - B (3)	6.93	609	4.2	0.033	<2.95E-09	3.33±2.75E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW8613A	DOWN - B (4)	6.85	676	10.0	0.016	<3.87E-09	4.94±2.71E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW8613A	DOWN - B (5)	6.66	649	1.7	0.017	<4.35E-09	4.37±2.49E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW8613A	DOWN - B (6)	6.69	636	<1.0	0.011	<2.86E-09	5.65±3.15E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW8613A	DOWN - B (7)	6.63	635	9.4	0.013	<7.05E-10	3.34±2.28E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW8613A	DOWN - B (8)	6.67	560	40.0	0.014	<2.16E-09	<2.55E-09	1.22±0.78E-07	<2.31E-08	<2.19E-08
WNW8613B	DOWN - B (1)									
WNW8613B	DOWN - B (2)	6.39	377			<6.64E-10	2.78±2.53E-09	<1.00E-07		
WNW8613B	DOWN - B (3)	6.31	509	6.5	0.009	<1.63E-09	4.29±2.72E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW8613B	DOWN - B (4)	6.00	642	3.8	0.035	<2.06E-09	2.82±2.28E-09	<1.00E-07	<2.83E-08	4.18±1.23E-08
WNW8613B	DOWN - B (5)	6.02	571	3.2	0.013	<2.83E-09	5.25±2.90E-09	<1.00E-07	<3.67E-08	<3.08E-08
WNW8613B	DOWN - B (6)	6.15	487	<1.0	0.021	<1.60E-09	5.50±2.93E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW8613B	DOWN - B (7)	6.02	397	5.7	0.015	<1.42E-09	7.24±2.74E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW8613B	DOWN - B (8)	6.28	972	12.0	0.006	<4.04E-09	6.75±3.45E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW8613C	DOWN - B (1)									
WNW8613C	DOWN - B (2)	8.30	323			2.35±1.97E-09	3.44±2.20E-09	<1.00E-07		
WNW8613C	DOWN - B (3)	8.05	312	54.0	0.017	<2.28E-09	3.24±2.45E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW8613C	DOWN - B (4)	7.45	369	2.0	0.007	<1.26E-09	4.97±2.48E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW8613C	DOWN - B (5)	7.41	512	4.1	0.006	<3.01E-09	5.77±2.94E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW8613C	DOWN - B (6)	7.37	593	<1.0	0.009	<3.06E-09	5.86±3.12E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW8613C	DOWN - B (7)	7.28	614	15.0	0.014	<3.63E-09	6.95±2.89E-09	<1.00E-07	<2.31E-08	<2.67E-08
WNW8613C	DOWN - B (8)	7.33	595	<1.0	0.012	3.57±3.30E-09	3.48±2.67E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0103	DOWN - C (1)	12.22	9240	290.0	0.200	<3.36E-07	1.05±0.57E-07	2.65±0.84E-07	3.19±1.80E-08	<3.11E-08
WNW0103	DOWN - C (2)	12.52	18580			<1.10E-07	1.08±0.91E-07	4.44±0.85E-07	<3.59E-08	<3.18E-08
WNW0103	DOWN - C (3)	12.43	16040	830.0	0.038	2.37±1.84E-07	3.24±1.09E-07	1.66±0.12E-06	<2.83E-08	<3.08E-08
WNW0103	DOWN - C (4)	12.28	14715	420.0	0.140	<1.38E-07	9.66±6.35E-08	7.36±0.88E-07	<2.83E-08	<3.08E-08
WNW0103	DOWN - C (5)	12.10	11380	815.0	0.022	<1.23E-07	1.20±0.63E-07	3.56±0.90E-07	<3.45E-08	<3.64E-08
WNW0103	DOWN - C (6)	12.21	20500	558.0	0.082	<2.48E-07	<9.77E-08	3.08±0.83E-07	<2.31E-08	<2.19E-08
WNW0103	DOWN - C (7)	10.60	3025	79.8	0.029	<3.04E-08	8.11±7.62E-08	1.14±0.80E-07	<3.40E-08	<3.35E-08
WNW0103	DOWN - C (8)	11.77	8620	330.0	0.016	<7.80E-08	2.10±0.96E-07	1.84±0.82E-07	<3.40E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ^o C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0104	DOWN - C (1)	7.25	858	<1.0	<0.005	<2.42E-09	7.96±0.22E-07	1.27±0.10E-06	<3.59E-08	<3.18E-08
WNW0104	DOWN - C (2)	7.25	849	3.8	0.014	<3.59E-09	8.32±0.22E-07	1.05±0.09E-06	<2.88E-08	<3.11E-08
WNW0104	DOWN - C (3)	7.31	852	12.0	<0.005	<1.96E-09	8.12±0.21E-07	8.05±0.94E-07	<2.88E-08	<3.11E-08
WNW0104	DOWN - C (4)	7.08	855	<1.0	0.016	<3.25E-09	6.56±0.21E-07	8.19±0.96E-07	<2.83E-08	<3.08E-08
WNW0104	DOWN - C (5)	7.01	938	1.0	0.013	<6.97E-09	1.29±0.03E-06	7.95±0.96E-07	<3.97E-08	<4.13E-08
WNW0104	DOWN - C (6)	7.07	999	1.7	<0.005	<1.06E-08	9.72±0.26E-07	9.72±0.90E-07	<2.83E-08	<3.08E-08
WNW0104	DOWN - C (7)	6.89	1008	<1.0	<0.005	<4.59E-09	1.43±0.04E-06	1.33±0.15E-06	<3.40E-08	<3.35E-08
WNW0104	DOWN - C (8)	6.99	1007	1.7	<0.010	<3.84E-09	2.16±0.04E-06	8.72±0.92E-07	<3.40E-08	<3.35E-08
WNW0111	DOWN - C (1)	6.82	596		0.017	<4.03E-09	4.34±0.07E-06	5.17±0.18E-06	<2.88E-08	<3.05E-08
WNW0111	DOWN - C (2)	6.57	542			<4.89E-09	4.00±0.07E-06	4.16±0.12E-06	<3.59E-08	<2.99E-08
WNW0111	DOWN - C (3)	6.47	477	13.5	0.098	<2.37E-09	2.03±0.03E-06	2.14±0.14E-06	<2.83E-08	<3.10E-08
WNW0111	DOWN - C (4)	6.45	693	9.2	0.098	9.17±7.62E-09	3.49±0.05E-06	5.88±0.23E-06	<2.31E-08	<3.08E-08
WNW0111	DOWN - C (5)	6.49	807	10.6	0.114	<4.21E-09	7.17±0.06E-06	2.87±0.16E-06	<3.40E-08	<2.19E-08
WNW0111	DOWN - C (6)	6.30	746	7.7	0.077	4.84±4.11E-09	6.37±0.06E-06	1.38±0.11E-06	<3.40E-08	<3.35E-08
WNW0111	DOWN - C (7)	6.47	772	7.8	0.051	<3.66E-09	5.68±0.06E-06	1.44±0.12E-06	<3.40E-08	<3.35E-08
WNW0111	DOWN - C (8)	5.98	805	6.5	0.041	<4.25E-09	6.50±0.06E-06	3.69±0.18E-06	<3.40E-08	<3.35E-08
WNW0203	DOWN - C (1)									
WNW0203	DOWN - C (2)	6.66	1730			<1.51E-08	3.91±0.61E-08	<1.00E-07		
WNW0203	DOWN - C (3)	6.66	257	4.3	0.043	<3.17E-08	4.33±0.66E-08	<1.00E-07	<2.86E-08	<3.25E-08
WNW0203	DOWN - C (4)	6.44	2570	1.8	0.049	<8.84E-07	1.76±0.81E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0203	DOWN - C (5)	6.44	874	3.5	0.033	<2.54E-08	2.24±0.50E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0203	DOWN - C (6)	6.42	827	1.9	<0.005	<6.95E-09	1.21±0.48E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0203	DOWN - C (7)	6.23	2510	9.2	0.019	<1.30E-08	3.97±0.95E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0203	DOWN - C (8)	6.48	2160	3.7	0.019	<1.12E-08	1.18±0.80E-08	<1.00E-07	2.85±1.50E-08	<3.35E-08
WNW0205	DOWN - C (1)									
WNW0205	DOWN - C (2)	6.71	1616			<6.69E-09	3.26±2.78E-09	<1.00E-07		
WNW0205	DOWN - C (3)	6.33	2110	17.0	0.041	<2.00E-08	5.99±4.14E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0205	DOWN - C (4)	6.30	3520	11.0	0.120	<4.75E-08	8.24±4.83E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0205	DOWN - C (5)	6.25	4055	27.0	0.063	<2.45E-08	<1.74E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0205	DOWN - C (6)	6.55	2140	5.4	0.042	1.66±1.22E-08	1.45±0.76E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0205	DOWN - C (7)	6.42	1732	3.5	0.023	<7.69E-09	5.09±3.38E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0205	DOWN - C (8)	6.42	3400	4.8	0.020	<8.99E-09	<1.54E-08	<1.00E-07	<3.40E-08	<3.35E-08
WNW0305	DOWN - C (1)									
WNW0305	DOWN - C (2)	7.23	2480			<1.39E-08	4.59±1.72E-08	<1.00E-07		
WNW0305	DOWN - C (3)	6.68	2335	1.5	0.044	<2.95E-08	1.13±0.71E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0305	DOWN - C (4)	6.92	2400	2.0	0.035	<7.76E-09	<7.12E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0305	DOWN - C (5)	6.93	1808	2.0	0.066	<1.80E-08	<1.56E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0305	DOWN - C (6)	6.88	1613	2.6	0.006	<8.01E-09	7.76±6.87E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0305	DOWN - C (7)	6.87	1272	2.6	0.014	<5.27E-09	<7.93E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0305	DOWN - C (8)	7.08	1161	3.6	0.012	<7.05E-09	<7.13E-09	<1.00E-07	3.50±2.13E-08	<1.92E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25°C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0307	DOWN - C (1)									
WNW0307	DOWN - C (2)	6.81	2565			<6.79E-09	1.31±0.81E-08	<1.00E-07		
WNW0307	DOWN - C (3)	6.77	2200	2.8	0.057	<3.21E-08	1.19±0.45E-08	<1.00E-07	<3.97E-08	<4.13E-08
WNW0307	DOWN - C (4)	7.02	1510	3.2	0.048	<1.79E-08	7.12±3.33E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0307	DOWN - C (5)	6.75	1378	2.6	0.033	<6.64E-09	6.26±3.03E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0307	DOWN - C (6)	6.85	1223	3.2	<0.005	<5.01E-09	9.97±4.26E-09	<1.00E-07	<3.97E-08	2.63±1.08E-08
WNW0307	DOWN - C (7)	6.75	1023		0.007	<5.05E-09	7.07±7.06E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0307	DOWN - C (8)	7.06	903	3.0	0.005	<2.99E-09	<5.08E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0406	DOWN - C (1)									
WNW0406	DOWN - C (2)	7.21	580			<4.57E-09	3.38±2.68E-09	3.32±0.15E-06		
WNW0406	DOWN - C (3)	7.21	582	23.0	<0.005	<2.75E-09	5.58±2.90E-09	2.78±0.15E-06	<2.88E-08	<2.99E-08
WNW0406	DOWN - C (4)	7.30	582	3.9	0.015	<4.25E-09	2.97±2.91E-09	2.10±0.11E-06	<3.59E-08	<3.18E-08
WNW0406	DOWN - C (5)	7.02	650	4.9	0.019	<5.72E-09	8.87±3.31E-09	2.41±0.14E-06	<3.97E-08	<4.13E-08
WNW0406	DOWN - C (6)	7.06	678	3.8	0.020	7.12±5.22E-09	4.27±2.53E-09	2.44±0.14E-06	<3.40E-08	<3.35E-08
WNW0406	DOWN - C (7)	7.11	715	3.7	0.018	<4.24E-09	5.62±3.21E-09	2.30±0.13E-06	<3.40E-08	<3.35E-08
WNW0406	DOWN - C (8)	6.86	701	11.0	0.024	<3.04E-09	1.02±0.35E-08	2.17±0.14E-06	<2.31E-08	<2.19E-08
WNW0408	DOWN - C (1)									
WNW0408	DOWN - C (2)	7.78	891			<1.85E-08	1.23±0.01E-04	1.14±0.04E-05	<3.59E-08	<3.18E-08
WNW0408	DOWN - C (3)	7.74	974	13.3	0.295	<6.06E-09	9.78±0.02E-05	1.32±0.05E-05	<2.88E-08	<3.11E-08
WNW0408	DOWN - C (4)	7.68	1042	1.6		<9.63E-09	1.37±0.01E-04	1.53±0.05E-05	<2.88E-08	<2.99E-08
WNW0408	DOWN - C (5)	7.59	1072	3.5	0.100	<2.88E-09	1.99±0.01E-04	1.75±0.06E-05	<3.40E-08	<3.35E-08
WNW0408	DOWN - C (6)	7.26	1111	2.7	0.073	<2.75E-09	1.61±0.01E-04	1.79±0.06E-05	<3.40E-08	<3.35E-08
WNW0408	DOWN - C (7)	7.44	1141	4.0	0.062	<4.81E-09	1.63±0.01E-04	2.41±0.08E-05	<2.31E-08	<2.19E-08
WNW0408	DOWN - C (8)	7.07	1138	2.2	0.052	<3.93E-09	1.66±0.01E-04	1.61±0.05E-05	<3.40E-08	<3.35E-08
WNW0501	DOWN - C (1)									
WNW0501	DOWN - C (2)	7.39	774			<1.60E-08	8.85±0.08E-05	7.82±0.29E-06		
WNW0501	DOWN - C (3)	7.41	843	14.9	0.074	<4.60E-09	5.80±0.02E-05	7.05±0.28E-06	<3.40E-08	<3.35E-08
WNW0501	DOWN - C (4)	7.24	997	1.8	0.148	<9.31E-09	7.08±0.02E-05	9.64±0.33E-06	<2.88E-08	<2.99E-08
WNW0501	DOWN - C (5)	7.25	977	2.4	0.019	<3.03E-09	1.04±0.01E-04	9.43±0.35E-06	<3.40E-08	<3.35E-08
WNW0501	DOWN - C (6)	7.17	979	2.7	0.027	<4.58E-09	1.04±0.01E-04	8.53±0.34E-06	<3.40E-08	<3.35E-08
WNW0501	DOWN - C (7)	7.29	949	5.6	0.028	<3.13E-09	1.14±0.01E-04	9.87±0.36E-06	<2.83E-08	<3.08E-08
WNW0501	DOWN - C (8)	7.08	944	1.4	0.018	8.37±7.77E-09	1.13±0.01E-04	9.26±0.34E-06	<3.40E-08	<3.35E-08
WNW0502	DOWN - C (1)									
WNW0502	DOWN - C (2)	7.37	767			<1.93E-08	2.02±0.04E-05	1.97±0.12E-06		
WNW0502	DOWN - C (3)	7.22	786	12.9	0.268	<5.04E-09	1.43±0.01E-05	2.03±0.13E-06	<2.88E-08	<3.11E-08
WNW0502	DOWN - C (4)	7.29	896	1.7		<6.11E-09	1.80±0.01E-05	2.74±0.14E-06	<3.59E-08	<3.18E-08
WNW0502	DOWN - C (5)	7.30	926	2.2	<0.010	<3.17E-09	3.29±0.01E-05	2.99±0.16E-06	<2.83E-08	<3.08E-08
WNW0502	DOWN - C (6)	7.13	926	2.9	0.016	<3.14E-09	3.37±0.01E-05	2.86±0.16E-06	<2.31E-08	<2.19E-08
WNW0502	DOWN - C (7)	7.31	922	7.6	0.014	<4.41E-09	3.43±0.01E-05	3.26±0.17E-06	<3.40E-08	<3.35E-08
WNW0502	DOWN - C (8)	7.05	903	1.6	0.018	<5.08E-09	3.82±0.02E-05	4.17±0.19E-06	<3.40E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0602	DOWN - C (1)									
WNW0602	DOWN - C (2)	6.30	570			<2.66E-09	5.55±2.75E-09	6.17±0.24E-06		
WNW0602	DOWN - C (3)	6.32	530	7.4	0.011	<3.01E-09	2.64±0.45E-08	4.54±0.21E-06	<2.88E-08	<2.99E-08
WNW0602	DOWN - C (4)	6.39	550	7.7	0.027	<5.36E-09	1.76±0.37E-08	6.49±0.12E-06	<2.83E-08	<3.08E-08
WNW0602	DOWN - C (5)	6.70	545	11.0	0.040	<4.66E-09	2.27±0.43E-08	9.38±0.35E-06	<3.97E-08	<4.13E-08
WNW0602	DOWN - C (6)	6.61	551	4.7	0.013	<1.96E-09	1.10±0.34E-08	1.41±0.05E-05	<3.40E-08	<3.35E-08
WNW0602	DOWN - C (7)	6.74	554	2.9	<0.005	<2.16E-09	6.78±3.19E-09	1.32±0.05E-05	<3.40E-08	<3.35E-08
WNW0602	DOWN - C (8)	6.31	566	7.3	0.018	<2.61E-09	2.83±0.48E-08	6.95±0.28E-06	<3.40E-08	<3.35E-08
WNW0603	DOWN - C (1)									
WNW0603	DOWN - C (2)	6.34	632			<3.90E-09	1.04±0.34E-08	1.00±0.71E-07		
WNW0603	DOWN - C (3)	6.51	625	9.4	0.013	<3.86E-09	9.13±3.51E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0603	DOWN - C (4)	6.51	866	1.7	0.005	<9.31E-09	6.64±2.98E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0603	DOWN - C (5)	6.60	916	1.1	<0.005	<1.18E-08	3.27±3.04E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0603	DOWN - C (6)	6.66	906	3.6	<0.005	<6.10E-09	<3.92E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0603	DOWN - C (7)	6.50	952	4.0	<0.005	4.94±4.84E-09	<4.14E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0603	DOWN - C (8)	6.22	1004	2.8	<0.005	7.48±6.91E-09	<5.23E-09	<1.00E-07	<2.31E-08	<1.92E-08

Table E - 1 is continued on the next page.

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E -1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0604	DOWN - C (1)									
WNW0604	DOWN - C (2)	6.44	532			<1.32E-09	2.78±2.43E-09	<1.00E-07		
WNW0604	DOWN - C (3)	6.40	476	45.0	0.012	<1.65E-09	2.73±2.56E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0604	DOWN - C (4)	6.34	570	4.4	0.013	<5.27E-09	5.54±2.59E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0604	DOWN - C (5)	6.19	524	3.9	0.014	<4.39E-09	4.88±2.72E-09	<1.00E-07	<3.45E-08	<3.64E-08
WNW0604	DOWN - C (6)	6.24	528	4.2	<0.005	3.75±2.78E-09	<2.62E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0604	DOWN - C (7)	6.04	577	11.0	0.008	<3.38E-09	3.17±2.63E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0604	DOWN - C (8)	5.94	592	5.4	<0.005	<2.43E-09	5.61±3.01E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0701	DOWN - C (1)	7.50	723	7.1	<0.005	<4.45E-09	<2.37E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0701	DOWN - C (2)	7.50	692	4.3	0.018	3.51±3.07E-09	2.79±2.56E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0701	DOWN - C (3)	7.52	620	37.0	0.077	<2.71E-09	<2.41E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0701	DOWN - C (4)	7.37	679	2.0	0.006	<2.76E-09	<2.25E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0701	DOWN - C (5)	7.46	630	1.6	<0.005	<3.24E-09	2.48±2.34E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0701	DOWN - C (6)	7.50	687	3.4	<0.005	<4.23E-09	3.83±2.67E-09	2.17±0.79E-07	<2.83E-08	<3.08E-08
WNW0701	DOWN - C (7)	7.19	771	16.0	0.006	<2.68E-09	4.53±2.52E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0701	DOWN - C (8)	7.21	840	5.9	<0.005	<3.05E-09	<2.91E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0706	DOWN - C (1)	6.65	696	7.5	0.009	<1.72E-09	9.37±3.21E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0706	DOWN - C (2)	6.63	603	6.6	0.037	<2.51E-09	6.41±2.78E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0706	DOWN - C (3)	6.67	977	48.0	0.013	<3.25E-09	7.45±3.07E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0706	DOWN - C (4)	6.56	754	6.4	0.012	<7.18E-09	7.24±3.01E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0706	DOWN - C (5)	6.66	590	3.6	0.020	<3.42E-09	7.35±3.05E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0706	DOWN - C (6)	6.83	1045	5.6	0.006	<4.74E-09	7.31±3.51E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0706	DOWN - C (7)	6.49	496	14.0	0.007	<1.28E-09	2.38±2.18E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0706	DOWN - C (8)	6.80	493	5.1	0.009	<2.14E-09	3.19±2.79E-09	<1.00E-07	<2.31E-08	<2.67E-08
WNW8605	DOWN - C (1)	6.83	685		0.011	<6.46E-09	2.66±0.02E-05	1.42±0.05E-05	<3.59E-08	<3.18E-08
WNW8605	DOWN - C (2)	6.85	776		0.011	8.35±8.19E-09	3.16±0.02E-05	1.59±0.05E-05	<3.59E-08	<3.18E-08
WNW8605	DOWN - C (3)	6.59	524	15.1	0.033	6.82±4.24E-09	6.25±0.09E-06	7.08±0.29E-06	<2.88E-08	3.17±1.05E-08
WNW8605	DOWN - C (4)	6.54	920			1.99±1.31E-08	1.71±0.01E-05	9.10±0.32E-06	<2.83E-08	<3.08E-08
WNW8605	DOWN - C (5)	6.59	1028	12.8	0.041	9.14±6.70E-09	2.81±0.02E-05	6.28±0.26E-06	<2.83E-08	<3.08E-08
WNW8605	DOWN - C (6)	6.52	865	13.8	0.057	<5.77E-09	2.17±0.02E-05	4.20±0.20E-06	<2.31E-08	<2.19E-08
WNW8605	DOWN - C (7)	6.72	888	12.0	0.026	<5.36E-09	2.28±0.02E-05	4.56±0.25E-06	<2.83E-08	<2.83E-08
WNW8605	DOWN - C (8)	6.49	1016	10.2	0.011	2.74±1.24E-08	3.77±0.02E-05	1.55±0.05E-05	<3.40E-08	<3.35E-08
WNW8606	DOWN - C (1)	6.77	1750	3.6	0.011	<2.67E-09	8.88±5.83E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW8606	DOWN - C (2)	6.70	2200	3.7	0.030	<6.58E-09	<6.00E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW8606	DOWN - C (3)	6.70	1932	3.3	0.022	<8.09E-09	7.27±6.32E-09	<1.00E-07	<2.88E-08	3.17±1.05E-08
WNW8606	DOWN - C (4)	6.47	2090	2.4	0.960	<3.08E-08	5.58±4.19E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW8606	DOWN - C (5)	6.27	4580	3.6	0.047	<1.94E-08	<1.54E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW8606	DOWN - C (6)	6.54	2280	5.8	0.016	<1.06E-08	<6.86E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW8606	DOWN - C (7)	6.65	2065	2.9	0.016	<4.60E-09	1.12±0.68E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW8606	DOWN - C (8)	6.37	2365	6.4	0.018	<1.06E-08	<8.29E-09	<1.00E-07	<2.31E-08	<2.19E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E -1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25°C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW8607	DOWN - C (1)	6.53	579	1.2	0.006	3.69±3.41E-09	1.01±0.23E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW8607	DOWN - C (2)	6.31	568	7.1	0.015	3.24±2.84E-09	1.32±0.26E-08	1.22±0.72E-07	<3.59E-08	<3.18E-08
WNW8607	DOWN - C (3)	6.11	608	3.7	<0.005	<4.30E-09	2.02±0.31E-08	<1.00E-07	<3.25E-08	<3.15E-08
WNW8607	DOWN - C (4)	6.36	793	<1.0	<0.005	<7.28E-09	9.13±3.62E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW8607	DOWN - C (5)	6.92	650	3.2	<0.005	<4.18E-09	9.64±3.35E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW8607	DOWN - C (6)	6.25	710	14.0	<0.005	<3.44E-09	7.07±3.00E-09	1.88±0.79E-07	<3.40E-08	<3.35E-08
WNW8607	DOWN - C (7)	6.33	842	3.9	0.017	<5.38E-09	9.65±3.50E-09	<1.00E-07	<3.40E-08	<3.39E-08
WNW8607	DOWN - C (8)	6.15	951	20.0	<0.005	<4.12E-09	1.03±0.37E-08	1.02±0.77E-07	<2.31E-08	<2.19E-08
WNW8608	DOWN - C (1)	6.87	497	3.8	0.007	<1.85E-09	9.33±2.21E-09	4.03±1.16E-07	<2.88E-08	<3.11E-08
WNW8608	DOWN - C (2)	6.78	560	15.0	0.010	<3.70E-09	1.23±0.25E-08	4.70±0.80E-07	<2.88E-08	<2.99E-08
WNW8608	DOWN - C (3)	6.91	527	7.2	0.013	<2.28E-09	6.82±2.23E-09	5.10±1.04E-07	<2.83E-08	<3.08E-08
WNW8608	DOWN - C (4)	6.66	489	3.6	0.011	<2.58E-09	6.42±3.17E-09	7.13±0.94E-07	<3.97E-08	<4.13E-08
WNW8608	DOWN - C (5)	6.42	635	6.7	0.015	<3.47E-09	9.38±3.14E-09	1.14±0.16E-06	<3.97E-08	<4.13E-08
WNW8608	DOWN - C (6)	6.63	646	5.7	0.005	<2.67E-09	7.89±3.06E-09	1.63±0.11E-06	<2.83E-08	<3.08E-08
WNW8608	DOWN - C (7)	6.68	696	6.1	0.008	<1.69E-09	1.61±0.38E-08	1.34±0.10E-06	<3.40E-08	<3.35E-08
WNW8608	DOWN - C (8)	6.54	695	7.9	0.007	<3.23E-09	1.12±0.35E-08	1.54±0.11E-06	<3.40E-08	<3.35E-08
WNW8609	DOWN - C (1)	7.22	672	1.0	0.017	<3.68E-09	2.70±0.10E-07	1.56±0.11E-06	<2.88E-08	<3.11E-08
WNW8609	DOWN - C (2)	7.15	679	3.1	0.025	<3.06E-09	2.41±0.10E-07	1.35±0.10E-06	<2.88E-08	<3.11E-08
WNW8609	DOWN - C (3)	7.24	687	16.0	0.008	<3.87E-09	2.52±0.10E-07	1.19±0.11E-06	<2.88E-08	<3.11E-08
WNW8609	DOWN - C (4)	7.04	684	2.0	0.011	<2.92E-09	2.69±0.13E-07	1.23±0.11E-06	<2.88E-08	<2.99E-08
WNW8609	DOWN - C (5)	6.99	699	4.6	0.014	<7.41E-09	2.85±0.13E-07	1.81±0.13E-06	<2.83E-08	<3.08E-08
WNW8609	DOWN - C (6)	7.17	711	5.4	0.011	<4.13E-09	1.65±0.10E-07	2.07±0.12E-06	<3.97E-08	<4.13E-08
WNW8609	DOWN - C (7)	7.15	728	<1.0	0.024	<2.55E-09	2.48±0.13E-07	1.91±0.12E-06	<2.31E-08	<2.19E-08
WNW8609	DOWN - C (8)	6.93	722	8.1	0.011	<4.51E-09	2.78±0.13E-07	2.10±0.12E-06	<3.40E-08	<3.35E-08
WNDMPNE	DOWN - D (1)	7.37	482	3.3	<0.005	<1.48E-09	1.80±0.08E-07	8.75±6.59E-07	<2.88E-08	<3.11E-08
WNDMPNE	DOWN - D (2)	7.20	498	4.5	0.014	<2.11E-09	1.61±0.08E-07	4.40±0.91E-07	<2.88E-08	<3.11E-08
WNDMPNE	DOWN - D (3)	7.28	510	8.3	0.009	<1.90E-09	1.87±0.08E-07	<1.00E-07	<2.88E-08	<2.99E-08
WNDMPNE	DOWN - D (4)	7.05	695	3.7	0.023	<6.53E-09	1.91±0.11E-07	3.60±0.89E-07	<2.83E-08	<3.08E-08
WNDMPNE	DOWN - D (5)	7.32	786	4.7	0.026	<4.00E-09	2.28±0.12E-07	6.58±0.94E-07	<2.83E-08	<3.08E-08
WNDMPNE	DOWN - D (6)	7.40	788	4.5	0.013	<2.90E-09	1.38±0.09E-07	6.20±0.85E-07	<2.83E-08	<3.08E-08
WNDMPNE	DOWN - D (7)	7.54	707	4.8	0.009	<2.06E-09	1.32±0.09E-07	3.80±0.84E-07	<3.4E-08	<3.35E-08
WNDMPNE	DOWN - D (8)	7.05	648	7.8	0.009	<2.32E-09	2.11±0.11E-07	3.71±0.89E-07	<2.31E-08	<1.92E-08
WNGSEEP	DOWN - D (1)	6.44	606	1.0	0.020	<2.20E-09	3.13±1.65E-09	6.05±0.88E-07	<2.88E-08	<3.11E-08
WNGSEEP	DOWN - D (2)	6.52	581	19.0	0.021	<2.20E-09	3.13±1.65E-09	6.13±0.78E-07	<2.88E-08	<2.99E-08
WNGSEEP	DOWN - D (3)	6.32	551	12.0	0.011	<2.03E-09	3.36±1.94E-09	4.16±0.86E-07	<3.97E-08	<4.13E-08
WNGSEEP	DOWN - D (4)	6.14	591	2.0	0.023	<4.43E-09	4.65±2.72E-09	4.98±0.79E-07	<3.47E-08	<3.61E-08
WNGSEEP	DOWN - D (5)	6.14	659	2.0	0.035	<3.44E-09	4.70±2.96E-09	8.14±0.87E-07	<2.83E-08	<3.08E-08
WNGSEEP	DOWN - D (6)	6.40	718	1.3	0.033	<5.18E-09	2.35±0.45E-08	1.09±0.09E-06	<2.83E-08	<3.08E-08
WNGSEEP	DOWN - D (7)	6.40	722	<1.0	0.013	<3.53E-09	3.74±2.80E-09	9.33±0.92E-07	<3.4E-08	<3.35E-08
WNGSEEP	DOWN - D (8)	6.20	748	3.4	0.010	<2.80E-09	6.28±3.10E-09	1.08±0.10E-06	<2.91E-08	3.70±1.53E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E -1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity µmhos/cm@25 ^o C	TOC mg/L	TOX mg/L	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL	Cs-137 µCi/mL	Co-60 µCi/mL
WNW0105	DOWN - D (1)	7.15	980	<1.0	0.010	<4.03E-09	9.84±3.29E-09	8.72±0.94E-07	<2.88E-08	<3.11E-08
WNW0105	DOWN - D (2)	7.13	970	4.1	0.018	<5.66E-09	1.47±0.39E-08	2.29±0.65E-07	<2.88E-08	<3.11E-08
WNW0105	DOWN - D (3)	7.17	946	11.0	0.024	<6.07E-09	3.69±3.03E-09	8.91±0.96E-07	<2.88E-08	<3.11E-08
WNW0105	DOWN - D (4)	7.14	945	<1.0	0.023	<4.01E-09	9.15±3.96E-09	9.18±0.99E-07	<3.59E-08	<3.18E-08
WNW0105	DOWN - D (5)	7.08	921	1.2	0.014	<4.87E-09	5.73±3.03E-09	1.36±0.11E-06	<2.83E-08	<3.08E-08
WNW0105	DOWN - D (6)	7.22	914	1.8	0.015	<6.03E-09	3.52±2.91E-09	1.39±0.10E-06	<3.40E-08	<3.35E-08
WNW0105	DOWN - D (7)	6.84	918	<1.0	0.010	5.04±4.94E-09	6.66±3.13E-09	1.27±0.10E-06	<2.31E-08	<2.19E-08
WNW0105	DOWN - D (8)	6.85	937	3.5	0.009	<4.15E-09	8.49±4.37E-09	1.34±0.10E-06	<2.31E-08	<2.05E-08
WNW0106	DOWN - D (1)	6.93	1458	4.4	0.018	<8.19E-09	8.51±3.68E-09	1.63±0.11E-06	<2.88E-08	<2.99E-08
WNW0106	DOWN - D (2)	7.13	1421	5.3	0.037	<7.53E-09	8.38±3.84E-09	1.43±0.10E-06	<2.88E-08	<3.11E-08
WNW0106	DOWN - D (3)	6.95	1262	4.0	0.038	<1.60E-08	6.67±3.33E-09	1.03±0.09E-06	<2.88E-08	<3.11E-08
WNW0106	DOWN - D (4)	7.07	1175	1.1	0.038	<1.38E-08	9.29±3.48E-09	1.13±0.11E-06	<2.83E-08	<3.08E-08
WNW0106	DOWN - D (5)	6.81	993	2.2	0.040	<9.94E-09	<2.96E-09	2.52±0.15E-06	<3.97E-08	<4.13E-08
WNW0106	DOWN - D (6)	7.00	958	2.8	0.019	<1.01E-08	5.71±3.26E-09	3.23±0.16E-06	<3.40E-08	<3.35E-08
WNW0106	DOWN - D (7)	6.70	953	4.7	0.023	<4.64E-09	4.93±4.51E-09	3.38±0.16E-06	<2.31E-08	<3.20E-08
WNW0106	DOWN - D (8)	6.86	929	3.8	0.014	6.46±5.97E-09	6.89±4.50E-09	4.09±0.19E-06	<2.31E-08	3.00±0.77E-08
WNW0116	DOWN - D (1)	7.29	1167	3.6	<0.005	<6.22E-09	1.55±0.40E-08	1.45±0.11E-06	<2.88E-08	<3.11E-08
WNW0116	DO WN-D (2)	7.37	1036	3.3	0.021	<4.78E-09	9.41±3.53E-09	1.58±0.10E-06	<2.88E-08	<3.11E-08
WNW0116	DOWN - D (3)	7.10	952	3.5	0.024	<6.14E-09	1.55±0.40E-08	1.04±0.10E-06	<2.83E-08	<3.08E-08
WNW0116	DOWN - D (4)	6.99	894	1.4	0.014	<1.23E-08	4.54±0.59E-08	9.65±1.00E-07	<2.83E-08	3.43±0.98E-08
WNW0116	DOWN - D (5)	6.87	920	2.5	0.025	<6.93E-09	4.81±0.61E-08	1.21±0.11E-06	<3.97E-08	<4.13E-08
WNW0116	DOWN - D (6)	7.03	972	2.3	0.012	<8.25E-09	4.27±0.58E-08	9.01±0.89E-07	<3.97E-08	<4.13E-08
WNW0116	DOWN - D (7)	6.80	1021	3.7	0.020	<5.33E-09	7.28±0.72E-08	6.72±1.52E-07	<2.31E-08	<2.19E-08
WNW0116	DOWN - D (8)	7.09	1025	7.1	0.013	<2.82E-09	6.14±0.67E-08	8.88±0.96E-07	<2.31E-08	<1.92E-08
WNW0207	DOWN - D (1)									
WNW0207	DOWN - D (2)	6.32	746			<4.71E-09	<2.82E-09	<1.00E-07		
WNW0207	DOWN - D (3)	6.03	600	51.0	0.019	<3.44E-09	<2.64E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0207	DOWN - D (4)	6.55	940	13.0	0.011	<1.99E-08	5.05±3.00E-09	<1.00E-07	<3.43E-08	<3.11E-08
WNW0207	DOWN - D (5)	6.60	1737	2.7	0.015	<1.93E-08	<3.11E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0207	DOWN - D (6)	6.70	955	2.4	<0.005	<6.99E-09	<4.26E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0207	DOWN - D (7)	6.55	965	85.0	<0.005	<5.14E-09	<3.11E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0207	DOWN - D (8)	6.93	958	3.4	<0.005	<4.58E-09	<5.25E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0601	DOWN - D (1)									
WNW0601	DOWN - D (2)	6.31	418			1.53±1.50E-09	1.91±0.10E-07	<1.00E-07		
WNW0601	DOWN - D (3)	6.63	335	7.4	0.022	<2.11E-09	1.18±0.08E-07	<1.00E-07	<3.97E-08	<4.41E-07
WNW0601	DOWN - D (4)	5.19	701	4.8	0.032	<2.46E-09	7.72±0.66E-08	<1.00E-07	<2.88E-08	<2.99E-08
WNW0601	DOWN - D (5)	6.41	461	2.9	0.020	<1.63E-09	1.57±0.09E-07	<1.00E-07	<2.83E-08	<3.08E-08
WNW0601	DOWN - D (6)	6.62	534	4.1	<0.005	<2.92E-09	2.41±0.12E-07	<1.00E-07	<2.83E-08	<3.08E-08
WNW0601	DOWN - D (7)	6.16	517	11.0	0.016	<1.41E-09	9.91±0.75E-08	<1.00E-07	<3.40E-08	<3.35E-08
WNW0601	DOWN - D (8)	6.09	503	6.6	0.011	<1.02E-09	5.27±0.56E-08	<1.00E-07	2.20±1.28E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E -1 (continued)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0605	DOWN - D (1)									
WNW0605	DOWN - D (2)	6.64	531			2.50±2.19E-09	2.91±0.13E-07	<4.58E-07		
WNW0605	DOWN - D (3)	6.95	399	6.1	0.009	<2.25E-09	1.74±0.10E-07	<1.00E-07	<3.97E-08	<4.13E-08
WNW0605	DOWN - D (4)	7.42	492	2.2	0.012	<5.15E-09	3.18±0.46E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0605	DOWN - D (5)	7.38	600	1.9	0.029	<5.52E-09	5.61±0.01E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0605	DOWN - D (6)	7.26	717	2.4	<0.005	<4.41E-09	7.07±0.70E-08	1.89±0.79E-07	<2.83E-08	<3.08E-08
WNW0605	DOWN - D (7)	7.02	593	3.8	0.012	3.27±2.87E-09	1.00±0.08E-07	<1.00E-07	<3.40E-08	<3.35E-08
WNW0605	DOWN - D (8)	6.57	510	4.9	0.019	<2.23E-09	3.11±0.13E-07	<1.00E-07	<2.31E-08	<2.19E-08
WNW0801	DOWN - D (1)	6.86	837	3.5	0.006	<3.47E-09	<1.16E-08	1.36±0.10E-06	<2.88E-08	<3.11E-08
WNW0801	DOWN - D (2)	6.81	834	4.8	0.022	<4.67E-09	1.80±0.10E-07	1.04±0.09E-06	<2.88E-08	<3.11E-08
WNW0801	DOWN - D (3)	6.70	888	3.2	0.009	3.14±3.08E-09	2.31±0.12E-07	7.29±0.92E-07	<2.88E-08	<2.99E-08
WNW0801	DOWN - D (4)	6.67	914	3.7	0.023	<5.06E-09	2.26±0.12E-07	3.42±0.88E-07	<2.83E-08	<3.56E-08
WNW0801	DOWN - D (5)	6.43	928	4.2	0.027	<9.05E-09	2.04±0.12E-07	1.03±0.10E-06	<2.83E-08	<3.08E-08
WNW0801	DOWN - D (6)	6.77	1002	2.8	0.038	<5.54E-09	1.29±0.09E-07	9.97±0.91E-07	<3.97E-08	<4.13E-08
WNW0801	DOWN - D (7)	6.46	1038	4.6	<0.005	7.76±6.80E-09	1.98±0.12E-07	8.89±0.87E-07	<2.31E-08	<2.19E-08
WNW0801	DOWN - D (8)	6.54	1033	3.2	0.010	<7.72E-09	2.17±0.12E-07	8.72±0.87E-07	2.33±0.85E-08	<3.35E-08
WNW0802	DOWN - D (1)	7.16	272	1.6	<0.005	<9.12E-10	<1.93E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0802	DOWN - D (2)	6.50	158	1.6	0.009	<5.27E-10	3.08±2.31E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0802	DOWN - D (3)	6.62	141	2.6	0.007	<1.79E-09	3.59±2.61E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0802	DOWN - D (4)	6.92	225	<1.0	0.017	<1.87E-09	<2.20E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0802	DOWN - D (5)	6.85	452	2.2	0.020	<4.11E-09	4.92±2.81E-09	2.59±0.90E-07	<3.97E-08	<4.13E-08
WNW0802	DOWN - D (6)	7.19	625	2.9	<0.005	1.14±0.72E-08	8.70±3.20E-09	7.48±0.87E-07	N/A	N/A
WNW0802	DOWN - D (7)	6.73	819	1.6	0.010	1.21±0.82E-08	3.64±2.94E-09	9.24±0.89E-07	<2.31E-08	<2.19E-08
WNW0802	DOWN - D (8)	6.81	896	2.7	0.006	<6.90E-09	4.15±2.97E-09	1.16±0.10E-06	<2.31E-08	<2.19E-08
WNW0803	DOWN - D (1)	7.01	1103	2.0	0.006	<4.79E-09	6.90±3.15E-09	1.42±0.11E-06	<2.88E-08	<3.11E-08
WNW0803	DOWN - D (2)	6.91	1167	2.4	0.047	<1.20E-08	8.46±3.53E-09	1.34±0.10E-06	<3.59E-08	<3.18E-08
WNW0803	DOWN - D (3)	6.90	1272	32.0	0.028	<1.10E-08	4.63±3.39E-09	9.70±0.98E-07	<3.47E-08	<3.66E-08
WNW0803	DOWN - D (4)	6.78	1284	1.6	0.028	<1.25E-08	4.34±3.49E-09	1.01±0.10E-06	<3.59E-08	<3.18E-08
WNW0803	DOWN - D (5)	6.65	1168	2.3	0.028	<7.73E-09	5.27±3.41E-09	1.36±0.11E-06	<3.97E-08	<4.13E-08
WNW0803	DOWN - D (6)	7.02	1108	3.4	0.026	<1.33E-08	7.79±3.51E-09	1.02±0.09E-06	<3.97E-08	<4.13E-08
WNW0803	DOWN - D (7)	6.63	1082	1.0	0.010	<4.26E-09	8.55±4.48E-09	1.17±0.10E-06	<2.91E-08	<2.83E-08
WNW0803	DOWN - D (8)	6.72	1076	3.3	0.008	<5.70E-09	8.89±5.87E-09	1.38±0.10E-06	<2.31E-08	<2.06E-08
WNW0804	DOWN - D (1)	6.83	659	2.4	0.008	<3.03E-09	2.07±0.42E-08	4.15±0.86E-07	<2.88E-08	<3.11E-08
WNW0804	DOWN - D (2)	6.66	553	17.0	0.041	<2.21E-09	1.79±0.38E-08	4.65±0.78E-07	<2.88E-08	<2.99E-08
WNW0804	DOWN - D (3)	6.74	640	2.7	0.019	<3.28E-09	2.06±0.42E-08	<1.00E-07	<2.88E-08	<2.99E-08
WNW0804	DOWN - D (4)	6.60	698	3.1	0.036	<3.92E-09	2.04±0.44E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0804	DOWN - D (5)	6.42	797	2.3	0.024	<7.34E-09	2.00±0.43E-08	5.21±0.90E-07	<2.83E-08	<3.08E-08
WNW0804	DOWN - D (6)	6.76	879	2.5	<0.005	<4.63E-09	2.14±0.43E-08	5.87±0.90E-07	<3.97E-08	<4.13E-08
WNW0804	DOWN - D (7)	6.36	807	<1.0	<0.005	8.71±5.69E-09	2.00±0.42E-08	5.29±0.85E-07	<3.40E-08	<3.35E-08
WNW0804	DOWN - D (8)	6.47	767	3.8	0.007	5.07±4.69E-09	1.95±0.43E-08	6.81±0.86E-07	<2.31E-08	<1.92E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E -1 (concluded)
Contamination Indicator Parameters for the Sand and Gravel Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW8603	DOWN - D (1)	7.42	983	<1.0	<0.005	<5.14E-09	2.51±0.41E-08	1.08±0.10E-06	<2.88E-08	<3.11E-08
WNW8603	DOWN - D (2)	7.37	962	2.3	0.010	<4.85E-09	2.08±0.37E-08	8.48±0.83E-07	<2.88E-08	3.30±1.05E-08
WNW8603	DOWN - D (3)	7.37	942	14.0	<0.005	<1.67E-09	1.61±0.33E-08	6.91±0.90E-07	<2.88E-08	<3.11E-08
WNW8603	DOWN - D (4)	7.18	931	1.7	0.017	6.05±5.93E-09	9.42±3.31E-09	8.34±0.73E-07	<2.88E-08	<2.99E-08
WNW8603	DOWN - D (5)	7.36	916	<1.0	0.027	<3.38E-08	1.14±0.44E-08	1.11±0.15E-06	<2.83E-08	<3.08E-08
WNW8603	DOWN - D (6)	7.23	929	1.2	0.008	<4.80E-09	1.74±0.39E-08	1.14±0.09E-06	<2.83E-08	<3.08E-08
WNW8603	DOWN - D (7)	7.36	971	<1.0	<0.005	<5.23E-09	1.39±0.60E-08	9.94±0.96E-07	<2.31E-08	<2.19E-08
WNW8603	DOWN - D (8)	7.10	990	2.9	<0.005	8.38±7.04E-09	1.55±0.65E-08	1.09±0.09E-06	<2.31E-08	<1.92E-08
WNW8604	DOWN - D (1)	7.36	946	<1.0	<0.005	<6.19E-09	9.82±0.22E-07	1.13±0.10E-06	<2.88E-08	<3.11E-08
WNW8604	DOWN - D (2)	7.32	928	<1.0	0.018	<4.76E-09	1.10±0.02E-06	1.16±0.08E-06	<2.88E-08	<2.99E-08
WNW8604	DOWN - D (3)	7.33	921	11.0	<0.005	<2.75E-09	1.09±0.02E-06	8.73±0.95E-07	<2.88E-08	<3.11E-08
WNW8604	DOWN - D (4)	7.25	923	1.2	0.010	<7.15E-09	1.26±0.03E-06	7.29±0.93E-07	<2.88E-08	<2.99E-08
WNW8604	DOWN - D (5)	7.29	941	3.7	0.029	<1.25E-08	1.50±0.03E-06	9.06±0.75E-07	<3.21E-08	<3.97E-08
WNW8604	DOWN - D (6)	7.19	1024	3.5	0.033	<3.90E-09	1.42±0.03E-06	8.47±0.95E-07	<3.13E-08	<3.01E-08
WNW8604	DOWN - D (7)	7.08	1024	7.7	0.029	<3.61E-09	1.46±0.03E-06	6.98±1.00E-07	<2.83E-08	<3.08E-08
WNW8604	DOWN - D (8)	7.21	1110	1.6	<0.010	<4.01E-09	1.97±0.04E-06	5.00±0.22E-06	<3.40E-08	<3.35E-08
WNW8612	DOWN - D (1)	7.54	746	<1.0	0.015	<4.23E-09	<1.51E-09	2.57±0.14E-06	<2.88E-08	<3.11E-08
WNW8612	DOWN - D (2)	7.50	753	3.6	0.033	<4.61E-09	1.65±1.59E-09	2.88±0.15E-06	<2.88E-08	<3.11E-08
WNW8612	DOWN - D (3)	7.46	756	7.6	0.030	<9.65E-09	2.23±2.11E-09	2.05±0.13E-06	<2.88E-08	<3.11E-08
WNW8612	DOWN - D (4)	7.34	757	<1.0	0.025	<4.92E-09	<2.05E-09	1.93±0.13E-06	<2.83E-08	<3.08E-08
WNW8612	DOWN - D (5)	7.31	770	1.2	0.029	<2.72E-09	<2.28E-09	2.18±0.14E-06	<3.97E-08	<4.13E-08
WNW8612	DOWN - D (6)	7.38	773	1.5	0.015	<7.84E-09	<2.56E-09	1.90±0.12E-06	<3.40E-08	<3.35E-08
WNW8612	DOWN - D (7)	7.39	778	<1.0	0.022	5.97±5.84E-09	<2.59E-09	2.10±0.13E-06	<2.58E-08	<2.67E-08
WNW8612	DOWN - D (8)	7.24	781	3.4	0.017	<4.11E-09	3.12±2.77E-09	2.02±0.13E-06	<2.31E-08	<2.06E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to hydraulic position.

Table E - 2
Contamination Indicator Parameters for the Till-Sand Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0302	UP (1)									
WNW0302	UP (2)	7.11	1302			<3.95E-09	3.79±3.06E-09	<1.00E-07		
WNW0302	UP (3)	7.15	1395	8.2	0.021	<1.09E-08	5.57±3.12E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0302	UP (4)	7.05	1437	<1.0	0.022	<3.09E-08	<3.93E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0302	UP (5)	6.98	1436	<1.0	0.018	<1.70E-08	<5.68E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0302	UP (6)	7.05	1443	1.4	0.024	<7.11E-09	5.18±4.82E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0302	UP (7)	7.01	1400	7.6	0.008	<4.91E-09	<4.20E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0302	UP (8)	7.01	1378	3.3	<0.005	<6.82E-09	<5.28E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0402	UP (1)									
WNW0402	UP (2)	7.50	977			<8.62E-09	2.26±0.45E-08	<1.00E-07		
WNW0402	UP (3)	7.15	1080	1.1	0.020	<3.95E-09	1.42±0.37E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0402	UP (4)	7.23	1092	1.6	0.023	<2.31E-08	<3.67E-09	<1.00E-07	<2.88E-08	4.32±1.05E-08
WNW0402	UP (5)	6.69	1030	0.6	0.015	<1.52E-08	<5.33E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0402	UP (6)	7.32	1068	2.3	<0.005	<7.03E-09	7.30±4.89E-09	1.15±0.79E-07	<2.83E-08	<3.08E-08
WNW0402	UP (7)	7.13	1126	14.0	0.009	<5.88E-09	<5.13E-09	<1.00E-07	<2.31E-08	<2.67E-08
WNW0402	UP (8)	6.99	1134	1.8	<0.005	<4.23E-09	<5.55E-09	<1.00E-07	<2.31E-08	<1.92E-08
WNW0404	UP (1)									
WNW0404	UP (2)	8.31	221			<6.02E-10	3.79±2.33E-09	<1.00E-07		
WNW0404	UP (3)	8.06	255	<1.0	<0.005	<2.04E-09	<2.31E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0404	UP (4)	7.91	262	<1.0	<0.005	<1.32E-09	<2.36E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0404	UP (5)	7.24	260	15.0	0.009	<2.15E-09	<2.20E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0404	UP (6)	7.97	256	<1.0	<0.005	<1.27E-09	3.91±2.66E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0404	UP (7)	7.91	241	1.6	0.007	<1.37E-09	3.88±2.74E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0404	UP (8)	7.84	249	2.1	<0.005	<1.10E-09	<2.34E-09	<1.00E-07	<3.40E-08	1.12±0.74E-08
WNW0202	DOWN - B (1)									
WNW0202	DOWN - B (2)	12.61	3220			<4.88E-09	6.00±0.64E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0202	DOWN - B (3)	12.12	2320	3.2	0.025	5.08±3.72E-09	4.75±0.56E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0202	DOWN - B (4)	11.89	1492	2.0	0.026	<8.64E-09	4.46±0.57E-08	<1.00E-07	<2.88E-08	<2.99E-08
WNW0202	DOWN - B (5)	11.96	1825	2.1	0.022	<5.01E-09	1.72±0.39E-08	<1.00E-07	<3.97E-08	<4.13E-08
WNW0202	DOWN - B (6)	11.87	1184	2.8	<0.005	9.88±7.91E-09	3.88±0.58E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0202	DOWN - B (7)	11.53	1284	<1.0	<0.005	<2.85E-09	1.84±0.46E-08	<1.00E-07	<2.91E-08	<2.83E-08
WNW0202	DOWN - B (8)	12.07	1178	2.6	<0.005	<1.85E-09	2.09±0.53E-08	<1.00E-07	<3.40E-08	<3.35E-08
WNW0204	DOWN - B (1)									
WNW0204	DOWN - B (2)	8.96	451			<2.56E-09	<2.30E-09	<1.00E-07		
WNW0204	DOWN - B (3)	9.07	468	1.5	<0.005	<1.95E-09	1.97±0.38E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0204	DOWN - B (4)	8.86	493	2.1	0.028	<3.81E-09	<2.88E-09	<1.00E-07	<2.86E-08	<3.04E-08
WNW0204	DOWN - B (5)	8.83	486	5.7	0.017	<4.19E-09	<2.53E-09	<1.00E-07	<2.83E-08	3.60±1.32E-08
WNW0204	DOWN - B (6)	8.69	502	1.1	0.016	<2.34E-09	5.08±2.53E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0204	DOWN - B (7)	8.50	519	4.9	<0.005	<1.88E-09	5.02±3.01E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0204	DOWN - B (8)	8.40	529	1.8	<0.005	<1.88E-09	3.10±2.76E-09	1.57±0.79E-07	<3.40E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 2 (concluded)
Contamination Indicator Parameters for the Till-Sand Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0206	DOWN - B (1)									
WNW0206	DOWN - B (2)	7.76	473			<2.38E-09	5.30±2.62E-09	<1.00E-07		
WNW0206	DOWN - B (3)	7.84	544	2.2	0.016	<2.24E-09	2.67±0.43E-08	<1.00E-07	<3.97E-08	<4.13E-08
WNW0206	DOWN - B (4)	7.76	552	2.7	0.023	<5.84E-09	4.79±2.62E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0206	DOWN - B (5)	7.73	541	1.2	0.034	<4.68E-09	<2.57E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0206	DOWN - B (6)	7.68	555	<1.0	0.021	<3.44E-09	3.97±2.42E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0206	DOWN - B (7)	7.43	573	<1.0	<0.005	<2.77E-09	<2.47E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0206	DOWN - B (8)	7.52	586	2.8	<0.005	<2.05E-09	3.29±2.81E-09	3.47±0.84E-07	<3.40E-08	<3.35E-08
WNW0208	DOWN - B (1)									
WNW0208	DOWN - B (2)	7.88	325			<2.17E-09	4.73±2.53E-09	<1.00E-07		
WNW0208	DOWN - B (3)	7.92	313	1.9	<0.005	<2.27E-09	<2.18E-09	<1.00E-07	<2.88E-08	3.28±0.93E-08
WNW0208	DOWN - B (4)	7.39	312	1.5	0.006	<2.80E-09	<2.61E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0208	DOWN - B (5)	7.79	293	1.1	0.009	<1.92E-09	3.25±2.48E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0208	DOWN - B (6)	7.89	296	1.4	<0.005	<1.94E-09	<2.33E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0208	DOWN - B (7)	7.63	291	<1.0	<0.005	<1.47E-09	<2.47E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0208	DOWN - B (8)	7.80	307	3.6	<0.005	2.39±2.21E-09	<2.58E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0905	DOWN - B (1)									
WNW0905	DOWN - B (2)	6.85	1659			<2.64E-08	4.39±3.75E-09	3.84±0.87E-07	<2.83E-08	<3.08E-08
WNW0905	DOWN - B (3)	6.71	1666	45.0	0.006	<3.34E-08	1.23±0.43E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW0905	DOWN - B (4)	6.83	1655	1.9	0.008	<4.49E-08	6.79±3.62E-09	<1.00E-07	<3.23E-08	<3.13E-08
WNW0905	DOWN - B (5)	6.80	1661	3.4	0.015	<1.11E-08	6.40±4.74E-09	2.06±0.86E-07	<2.83E-08	<3.08E-08
WNW0905	DOWN - B (6)	6.71	1650	<1.0	0.006	<1.80E-08	7.75±5.00E-09	2.67±0.83E-07	<3.45E-08	<3.64E-08
WNW0905	DOWN - B (7)	6.97	1641	74.0	0.012	<8.30E-09	<5.42E-09	1.90±1.39E-07	<2.31E-08	<2.19E-08
WNW0905	DOWN - B (8)	6.61	1623	84.0	<0.005	<7.56E-09	1.16±0.80E-08	4.02±0.84E-07	<2.31E-08	<2.19E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 3
Contamination Indicator Parameters for the Unweathered Lavery Till Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ^o C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0405	UP (1)									
WNW0405	UP (2)	7.36	905			<6.11E-09	3.22±3.05E-09	1.23±0.47E-07		
WNW0405	UP (3)	7.31	795	3.6	0.017	<6.42E-09	7.58±3.28E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0405	UP (4)	7.25	733	2.5	0.011	<8.14E-09	<3.06E-09	<1.00E-07	<4.13E-08	<3.97E-08
WNW0405	UP (5)	7.17	1050	3.0	0.010	<1.17E-08	3.51±2.98E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0405	UP (6)	7.13	1045	2.6	<0.005	2.19±1.16E-08	1.06±0.34E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0405	UP (7)	7.03	974	2.2	<0.005	<5.24E-09	4.79±3.28E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0405	UP (8)	7.08	1000	3.3	<0.005	1.19±0.81E-08	6.77±3.35E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0704	UP (1)	6.39	1124	28.2	0.029	<9.90E-09	2.55±0.51E-08	<1.00E-07	<2.88E-08	<2.99E-08
WNW0704	UP (2)	6.23	1056	44.0	0.030	<9.86E-09	2.79±0.50E-08	<1.00E-07	<2.88E-08	<3.11E-08
WNW0704	UP (3)	6.53	1123	110.0	0.047	<1.31E-08	1.36±0.40E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0704	UP (4)	6.17	1150	33.0	0.033	<1.09E-08	2.43±0.48E-08	<1.00E-07	<2.88E-08	<2.99E-08
WNW0704	UP (5)	6.25	1026	32.0	0.033	<8.72E-09	2.04±0.44E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0704	UP (6)	6.43	1042	26.0	0.024	<8.76E-09	2.29±0.58E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0704	UP (7)	6.15	1042	20.0	0.037	<6.76E-09	1.49±0.40E-08	1.50±1.41E-07	<2.31E-08	<3.16E-08
WNW0704	UP (8)	6.53	1112	27.0	0.047	<4.06E-09	2.06±0.72E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW0707	UP (1)	7.01	391	13.2	<0.005	<1.84E-09	6.27±2.80E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0707	UP (2)	6.82	262	8.5	0.015	<1.38E-09	2.80±2.26E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0707	UP (3)	6.72	303	24.0	0.008	<2.29E-09	<2.81E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0707	UP (4)	7.24	509	6.0	0.027	<4.11E-09	4.00±2.48E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0707	UP (5)	6.90	531	4.9	0.007	<3.75E-09	5.21±2.83E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0707	UP (6)	6.96	567	<1.0	<0.005	<3.68E-09	8.82±3.08E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0707	UP (7)	6.87	596	5.4	0.006	<3.69E-09	7.65±3.12E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0707	UP (8)	7.20	476	5.5	<0.005	<6.78E-10	<2.68E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1008C	UP (1)									
WNW1008C	UP (2)	7.33	542			<2.62E-09	<2.29E-09	<1.00E-07		
WNW1008C	UP (3)	7.61	541	5.0		<3.44E-09	<3.04E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1008C	UP (4)	7.51	458	4.9	0.006	<4.59E-09	5.72±2.70E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1008C	UP (5)	7.54	481	8.6	0.011	<3.49E-09	<2.56E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1008C	UP (6)	7.37	510	3.1	<0.005	<3.24E-09	<2.49E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1008C	UP (7)	7.40	521	10.0	0.008	<1.38E-09	2.69±2.24E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1008C	UP (8)	7.27	539	4.9		<1.90E-09	<2.22E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0109	DOWN - B (1)	7.65	628	<1.0	<0.005	<2.57E-09	4.21±2.75E-09	9.24±0.93E-07	<3.59E-08	<3.18E-08
WNW0109	DOWN - B (2)	7.32	678	6.7	0.006	<3.05E-09	<2.66E-09	6.93±0.80E-07	<2.86E-08	<3.04E-08
WNW0109	DOWN - B (3)	7.19	694	2.9	0.019	<4.41E-09	3.00±2.81E-09	3.54±0.86E-07	<2.83E-08	<4.12E-08
WNW0109	DOWN - B (4)	7.36	706	<1.0	<0.005	<6.50E-09	<2.65E-09	6.41±0.92E-07	<2.88E-08	<2.99E-08
WNW0109	DOWN - B (5)	7.11	648	2.3	<0.005	4.52±4.17E-09	5.49±2.52E-09	6.91±0.90E-07	<3.97E-08	<4.13E-08
WNW0109	DOWN - B (6)	7.42	648	1.4	<0.005	4.33±2.99E-09	<2.17E-09	7.15±0.85E-07	<3.40E-08	<3.35E-08
WNW0109	DOWN - B (7)	7.04	670	<1.0	<0.005	<2.71E-09	4.05±2.83E-09	6.14±0.83E-07	<2.31E-08	<2.19E-08
WNW0109	DOWN - B (8)	7.33	656	2.3	<0.005	<3.27E-09	6.56±2.89E-09	5.26±0.86E-07	<2.31E-08	<1.92E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 3 (continued)

Contamination Indicator Parameters for the Unweathered Lavery Till Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ^o C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0110	DOWN - B (1)	7.49	518	<1.0	0.021	5.60±3.81E-09	3.27±2.60E-09	5.72±0.92E-07	<2.88E-08	<3.11E-08
WNW0110	DOWN - B (2)	7.46	562	24.0	<0.005	<1.45E-09	5.03±2.72E-09	7.02±0.77E-07	<2.88E-08	<2.99E-08
WNW0110	DOWN - B (3)	7.26	590	1.4	<0.005	<3.88E-09	3.44±2.51E-09	5.13±0.88E-07	<2.83E-08	<3.08E-08
WNW0110	DOWN - B (4)	7.38	586	<1.0	<0.005	<4.99E-09	<2.79E-09	7.12±0.71E-07	<2.88E-08	<2.99E-08
WNW0110	DOWN - B (5)	7.24	566	3.4	0.006	6.76±4.88E-09	2.97±2.73E-09	7.36±0.90E-07	<3.97E-08	<4.13E-08
WNW0110	DOWN - B (6)	7.46	620	1.0	<0.005	6.94±6.44E-09	5.10±2.92E-09	8.46±0.88E-07	<2.83E-08	<3.08E-08
WNW0110	DOWN - B (7)	7.13	600	<1.0	<0.005	<2.74E-09	4.27±2.81E-09	6.40±0.84E-07	<2.31E-08	<2.19E-08
WNW0110	DOWN - B(8)	7.44	670	2.6	<0.005	<3.37E-09	3.06±2.84E-09	7.01±0.85E-07	<3.40E-08	<3.35E-08
WNW0115	DOWN - B (1)	7.72	482	1.8	<0.005	3.22±2.71E-09	7.04±2.90E-09	3.94±0.88E-07	<2.88E-08	<3.11E-08
WNW0115	DOWN - B (2)	7.85	498	2.2	0.013	<2.93E-09	3.42±2.47E-09	5.16±0.79E-07	<2.88E-08	<2.99E-08
WNW0115	DOWN - B (3)	7.73	452	1.6	0.017	<2.50E-09	3.05±0.46E-08	1.63±0.83E-07	<2.88E-08	<2.99E-08
WNW0115	DOWN - B (4)	7.62	480	<1.0	0.045	<2.36E-09	<2.76E-09	1.07±0.84E-07	<2.88E-08	<2.99E-08
WNW0115	DOWN - B (5)	7.54	484	1.1	0.010	<1.73E-10	4.25±1.98E-09	5.14±0.90E-07	<3.97E-08	<4.13E-08
WNW0115	DOWN - B (6)	7.74	472	3.8	<0.005	<2.85E-09	<2.39E-09	5.07±0.84E-07	<2.83E-08	<3.08E-08
WNW0115	DOWN - B (7)	7.40	479	1.5	<0.005	<2.55E-09	2.98±2.45E-09	4.24±1.18E-07	<2.31E-08	<2.19E-08
WNW0115	DOWN - B (8)	7.45	487	34.0	0.017	<2.79E-09	4.42±3.58E-09	5.28±0.85E-07	<2.31E-08	<1.92E-08
WNW0702	DOWN - B (1)	7.46	1093	3.5	<0.005	8.97±6.48E-09	5.41±3.02E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0702	DOWN - B (2)	7.40	1063	4.9	0.021	<6.03E-09	4.55±3.24E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0702	DOWN - B (3)	7.43	1030	5.8	<0.005	<5.67E-09	5.02±3.01E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0702	DOWN - B (4)	7.10	1045	1.4	0.007	1.22±1.12E-08	3.96±2.71E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0702	DOWN - B (5)	7.32	1053	2.3	0.008	<8.66E-09	4.53±3.01E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0702	DOWN - B (6)	7.27	1028	3.6	<0.005	<6.85E-09	4.24±2.86E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0702	DOWN - B (7)	7.04	963	5.8	0.006	<2.60E-09	3.06±2.34E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0702	DOWN - B (8)	7.48	1015	3.3	<0.005	5.70±4.79E-09	5.21±2.95E-09	3.41±1.44E-07	<2.31E-08	<2.19E-08
WNW0703	DOWN - B (1)	7.47	855	<1.0	<0.005	<3.41E-09	6.52±2.66E-09	<1.00E-07	<2.88E-08	3.43±1.05E-08
WNW0703	DOWN - B (2)	7.42	861	4.4	0.007	<4.46E-09	6.38±2.75E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0703	DOWN - B (3)	7.45	807	41.0	0.090	<5.71E-09	<2.84E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0703	DOWN - B (4)	7.20	807	<1.0	<0.005	<4.30E-09	3.20±2.61E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0703	DOWN - B (5)	7.20	873	3.9	<0.005	<6.68E-09	3.79±2.87E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0703	DOWN - B (6)	7.36	874	7.4	<0.005	9.88±8.39E-09	6.30±3.12E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0703	DOWN - B (7)	7.02	865	1.3	0.006	<6.14E-09	4.34±2.90E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0703	DOWN - B (8)	7.00	798	2.2	<0.005	<3.70E-09	<2.97E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0705	DOWN - B (1)	7.68	436	2.4	<0.005	<2.14E-09	3.71±2.57E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0705	DOWN - B (2)	6.93	306	13.0	0.011	<1.65E-09	3.32±2.45E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0705	DOWN - B (3)	7.47	415	35.0	0.130	<2.83E-09	<2.39E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0705	DOWN - B (4)	7.11	469	2.0	0.011	<3.25E-09	1.03±0.32E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW0705	DOWN - B (5)	7.22	532	6.2	<0.005	3.62±3.35E-09	3.88±2.47E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0705	DOWN - B (6)	7.22	517	<1.0	<0.005	<3.10E-09	6.94±2.96E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0705	DOWN - B (7)	7.02	628	22.0	0.013	<5.11E-09	9.69±3.40E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0705	DOWN - B (8)	7.46	613	6.0	<0.005	<1.39E-09	4.36±2.60E-09	<1.00E-07	<2.31E-08	<2.19E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 3 (continued)
Contamination Indicator Parameters for the Unweathered Lavery Till Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0904	DOW N - B (1)									
WNW0904	DOW N - B (2)	7.55	671			<6.57E-09	<2.83E-09	<1.00E-07		
WNW0904	DOW N - B (3)	7.43	721	48.0	0.012	<4.47E-09	5.05±2.96E-09	<1.00E-07	<2.83E-08	<3.11E-08
WNW0904	DOW N - B (4)	7.27	819	3.0	0.006	<1.47E-09	2.51±2.12E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0904	DOW N - B (5)	7.23	889	4.3	<0.005	<5.40E-09	3.42±2.89E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0904	DOW N - B (6)	7.25	868	3.6	<0.005	1.08±0.75E-08	5.55±3.25E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0904	DOW N - B (7)	7.24	928	1.1	<0.005	<3.46E-09	4.42±2.66E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0904	DOW N - B (8)	7.07	950	13.0	0.010	<4.08E-09	5.56±3.00E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1101B	DOW N - B (1)									
WNW1101B	DOW N - B (2)	7.30	884			<6.23E-09	5.23±2.70E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1101B	DOW N - B (3)	7.19	890	3.8	<0.005	<4.90E-09	<2.84E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW1101B	DOW N - B (4)	7.03	921	2.0	0.007	<1.20E-08	5.65±2.98E-09	<1.00E-07	<2.88E-08	3.31±1.05E-08
WNW1101B	DOW N - B (5)	7.08	976	1.3	<0.005	<1.11E-08	5.44±3.43E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1101B	DOW N - B (6)	7.08	999	2.8	<0.005	<7.34E-09	6.54±3.20E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1101B	DOW N - B (7)	7.01	1032	4.4	<0.005	3.70±3.63E-09	9.45±4.71E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1101B	DOW N - B (8)	6.72	1133		<0.005	7.99±7.38E-09	2.92±0.76E-08	<1.00E-07	<2.31E-08	<1.92E-08
WNW1106B	DOW N - B (1)									
WNW1106B	DOW N - B (2)	7.36	837			8.92±6.44E-09	4.94±3.09E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW1106B	DOW N - B (3)	7.22	805	3.7	0.005	<7.89E-09	3.53±2.93E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1106B	DOW N - B (4)	7.29	795	3.1	<0.005	1.01±0.95E-08	6.92±2.72E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1106B	DOW N - B (5)	7.08	592	1.6	<0.005	<5.78E-09	3.40±3.06E-09	<1.00E-07	<2.83E-08	4.53±1.76E-08
WNW1106B	DOW N - B (6)	7.35	793	2.0	<0.005	8.33±7.03E-09	6.04±2.75E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1106B	DOW N - B (7)	7.09	781	2.1	0.012	<3.85E-09	3.23±2.68E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1106B	DOW N - B (8)	6.92	774	<1.0	<0.005	<3.82E-09	4.52±2.85E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1109B	DOW N - B (1)									
WNW1109B	DOW N - B (2)	7.83	435			5.25±3.37E-09	3.75±2.45E-09	2.48±0.73E-07	<2.88E-08	<2.99E-08
WNW1109B	DOW N - B (3)	7.58	426	1.4	<0.005	<1.92E-09	<2.31E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1109B	DOW N - B (4)	7.69	425	14.0	0.022	<3.31E-09	<2.87E-09	1.98±0.86E-07	<2.83E-08	<3.08E-08
WNW1109B	DOW N - B (5)	7.63	440	1.2	<0.005	<3.90E-09	4.99±3.00E-09	2.86±1.24E-07	<2.83E-08	<3.08E-08
WNW1109B	DOW N - B (6)	7.47	449	3.4	<0.005	<2.68E-09	5.31±2.47E-09	2.60±1.21E-07	<3.40E-08	<3.35E-08
WNW1109B	DOW N - B (7)	7.45	440	2.0	0.009	<2.09E-09	<2.66E-09	2.30±1.19E-07	<2.31E-08	<2.19E-08
WNW1109B	DOW N - B (8)	7.31	452		<0.005	<1.57E-09	<2.57E-09	5.29±0.84E-07	<2.31E-08	<2.67E-08
WNW0107	DOW N - C (1)	7.40	947	<1.0	0.006	<3.25E-09	7.77±3.09E-09	1.85±0.12E-06	<2.88E-08	<3.11E-08
WNW0107	DOW N - C (2)	7.31	970	6.8	<0.005	<5.74E-09	8.87±3.06E-09	1.27±0.09E-06	<3.59E-08	<3.18E-08
WNW0107	DOW N - C (3)	7.10	936	1.4	<0.005	<5.61E-09	4.65±3.04E-09	9.80±0.98E-07	<2.88E-08	<3.11E-08
WNW0107	DOW N - C (4)	7.21	944	<1.0	<0.005	<7.65E-09	<3.24E-09	9.82±1.00E-07	<2.88E-08	<2.99E-08
WNW0107	DOW N - C (5)	7.16	985	<1.0	<0.005	7.41±6.84E-09	3.83±2.69E-09	1.07±0.10E-06	<2.83E-08	<3.08E-08
WNW0107	DOW N - C (6)	7.16	968	5.6	<0.005	<8.41E-09	3.76±2.99E-09	1.02±0.09E-06	<5.51E-08	<5.74E-08
WNW0107	DOW N - C (7)	6.98	979	<1.0	<0.005	<2.79E-09	8.65±4.23E-09	1.02±0.09E-06	<3.40E-08	<3.35E-08
WNW0107	DOW N - C (8)	6.99	1022	13.0	<0.005	6.01±5.58E-09	<2.62E-09	8.01±0.91E-07	<3.40E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 3 (continued)

Contamination Indicator Parameters for the Unweathered Lavery Till Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ^o C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0108 ^b	DOWN - C (1)	7.34	846	25.0	<0.005	<2.24E-09	4.05±2.74E-09	<1.00E-07	<2.88E-08	3.55±1.04E-08
WNW0108	DOWN - C (2)	7.18	836	4.2	0.005	<3.66E-09	4.89±2.67E-09	<1.00E-07	<3.25E-08	<2.37E-08
WNW0108	DOWN - C (3)	7.20	809	2.4	0.009	<4.95E-09	4.64±2.95E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW0108	DOWN - C (4)	7.27	894	<1.0	<0.005	<6.08E-09	<2.64E-09	<1.00E-07	<3.97E-08	1.03±0.64E-09
WNW0108	DOWN - C (5)	7.59	843	<1.0	<0.005	<3.07E-09	5.22±2.70E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0108	DOWN - C (6)	7.42	768	1.3	<0.005	5.46±4.64E-09	7.16±3.05E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0108	DOWN - C (7)	7.22	842	<1.0	<0.005	<4.80E-09	5.41±3.02E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0108	DOWN - C (8)	6.84	947	2.8	<0.005	<4.22E-09	6.88±3.37E-09	1.24±0.75E-07	<2.31E-08	<1.92E-08
WNW0114	DOWN - C (1)	7.50	548	<1.0	0.013	3.51±2.95E-09	3.91±2.42E-09	2.69±0.88E-07	<2.88E-08	<3.11E-08
WNW0114	DOWN - C (2)	7.44	564	5.3	<0.005	<2.93E-09	4.27±2.43E-09	4.94±0.77E-07	<2.88E-08	<3.11E-08
WNW0114	DOWN - C (3)	7.22	553	1.6	<0.005	<3.68E-09	<2.74E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0114	DOWN - C (4)	7.31	558			<3.55E-09	<2.47E-09	1.45±0.86E-07	<3.59E-08	<3.18E-08
WNW0114	DOWN - C (5)	7.25	544	<1.0	0.006	<2.82E-09	4.53±2.63E-09	2.86±0.89E-07	<3.97E-08	<4.13E-08
WNW0114	DOWN - C (6)	7.56	556	1.1	<0.005	5.04±4.28E-09	5.63±2.87E-09	5.31±0.84E-07	<3.40E-08	<3.35E-08
WNW0114	DOWN - C (7)	7.03	580	5.1	<0.005	7.22±4.27E-09	<2.41E-09	3.82±0.83E-07	<3.48E-08	<3.35E-08
WNW0114	DOWN - C (8)	7.15	598	10.0	<0.005	1.00±0.57E-08	2.58±2.57E-09	4.52±0.84E-07	<2.31E-08	3.09±2.87E-08
WNW0409	DOWN - C (1)									
WNW0409	DOWN - C (2)	8.19	319			<1.13E-09	8.71±2.91E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0409	DOWN - C (3)	8.08	329	3.4	<0.005	<2.00E-09	1.88±0.37E-08	<1.00E-07	<2.88E-08	3.17±0.93E-08
WNW0409	DOWN - C (4)	7.81	399	<1.0	<0.005	<3.19E-09	7.47±2.65E-09	<1.00E-07	<2.88E-08	3.51±0.93E-08
WNW0409	DOWN - C (5)	7.73	407	<1.0	<0.005	<5.03E-09	7.84±3.05E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0409	DOWN - C (6)	7.77	415	1.4	<0.005	3.36±2.41E-09	7.31±3.04E-09	<1.00E-07	<3.45E-08	<3.64E-08
WNW0409	DOWN - C (7)	7.62	399	<1.0	<0.005	<1.81E-09	1.06±0.34E-08	<1.00E-07	1.98±1.93E-08	<2.19E-08
WNW0409	DOWN - C (8)	7.30	399	1.6	<0.005	<1.79E-09	7.18±3.09E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1102B	DOWN - C (1)									
WNW1102B	DOWN - C (2)	7.17	625			<2.26E-09	2.91±2.74E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW1102B	DOWN - C (3)	7.29	595	1.5	<0.005	<4.14E-09	2.88±2.70E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1102B	DOWN - C (4)	7.35	585	1.2	0.010	<3.71E-09	<3.06E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1102B	DOWN - C (5)	7.18	596	<1.0	<0.005	<4.68E-09	<2.84E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1102B	DOWN - C (6)	7.24	610	2.3	<0.005	<3.21E-09	6.76±2.76E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1102B	DOWN - C (7)	7.22	709	13.0	0.007	8.02±6.30E-09	<2.54E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1102B	DOWN - C (8)	6.67	735	7.8	0.010	<2.19E-09	<2.70E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1103B	DOWN - C (1)									
WNW1103B	DOWN - C (2)	7.15	654			4.47±3.46E-09	6.25±3.00E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW1103B	DOWN - C (3)	7.29	671	6.6	<0.005	<3.26E-09	<2.56E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1103B	DOWN - C (4)	7.44	676	13.0	<0.005	<5.98E-09	1.43±0.34E-08	<1.00E-07	<3.97E-08	<4.13E-08
WNW1103B	DOWN - C (5)	7.25	692	<1.0	<0.005	5.26±4.21E-09	5.16±2.97E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1103B	DOWN - C (6)	7.33	718	1.8	0.008	5.28±4.23E-09	6.16±2.95E-09	<1.16E-07	<3.40E-08	<3.35E-08
WNW1103B	DOWN - C (7)	7.12	713	4.1	0.008	<3.39E-09	5.98±3.02E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1103B	DOWN - C (8)	6.85	720		0.009	<3.28E-09	3.59±3.01E-09	<1.00E-07	<3.40E-08	<3.35E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

b) Sample collected 3/1/91

Table E - 3 (concluded)
Contamination Indicator Parameters for the Unweathered Lavery Till Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW1104B	DOWN - C (1)									
WNW1104B	DOWN - C (2)	7.50	705			5.52±3.99E-09	4.46±2.60E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW1104B	DOWN - C (3)	7.27	680	4.8	<0.005	3.92±3.85E-09	2.92±0.47E-08	<1.00E-07	<2.88E-08	<2.94E-08
WNW1104B	DOWN - C (4)	7.34	760	3.4	<0.005	<3.76E-09	1.04±0.29E-08	<1.00E-07	<2.88E-08	<2.99E-08
WNW1104B	DOWN - C (5)	7.28	659	10.0	<0.005	<4.93E-09	1.04±0.37E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW1104B	DOWN - C (6)	7.20	662	2.7	0.011	4.88±3.62E-09	5.19±2.77E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1104B	DOWN - C (7)	7.48	653	5.3	<0.005	<3.39E-09	4.34±2.74E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1104B	DOWN - C (8)	7.06	636	<1.0	<0.005	<3.27E-09	<2.70E-09	<1.00E-07	<2.31E-08	<2.72E-08
WNW1105A	DOWN - C (1)									
WNW1105A	DOWN - C (2)	7.03	826			6.45±4.15E-09	4.43±2.58E-09	<1.00E-07	<2.88E-08	<3.11E-08
WNW1105A	DOWN - C (3)	7.40	825	2.9	<0.005	4.15±3.85E-09	4.15±2.85E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1105A	DOWN - C (4)	7.45	837	3.3	<0.005	<4.79E-09	7.44±3.28E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW1105A	DOWN - C (5)	6.95	582	2.8	<0.005	<2.44E-09	5.15±2.90E-09	<1.00E-07	<2.83E-08	<3.60E-08
WNW1105A	DOWN - C (6)	7.23	834	2.3	<0.005	3.63±3.56E-09	6.18±2.97E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1105A	DOWN - C (7)			4.4	<0.005	<4.46E-09	1.12±0.37E-08	<1.15E-07	<2.31E-08	<2.19E-08
WNW1105A	DOWN - C (8)									
WNW1105B	DOWN - C (1)									
WNW1105B	DOWN - C (2)	6.98	894			1.11±0.69E-08	4.48±2.93E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1105B	DOWN - C (3)	7.23	946	2.6	<0.005	<6.50E-09	6.38±3.18E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1105B	DOWN - C (4)	7.29	942	5.0	<0.005	<8.02E-09	3.02±2.51E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1105B	DOWN - C (5)	7.27	917	2.1	<0.005	<6.62E-09	2.55±0.48E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW1105B	DOWN - C (6)	7.14	931	16.0	<0.005	<5.79E-09	8.17±2.95E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1105B	DOWN - C (7)	6.92	953	1.7	0.006	7.44±5.85E-09	3.29±2.99E-09	1.28±1.19E-07	<2.31E-08	<2.19E-08
WNW1105B	DOWN - C (8)	7.35	744		<0.005	<4.01E-09	<2.98E-09	<1.00E-07	<2.31E-08	<1.92E-08
WNW1111A	DOWN - C (1)									
WNW1111A	DOWN - C (2)	7.13	981			1.02±1.00E-08	5.30±2.80E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW1111A	DOWN - C (3)	6.94	956	1.1	<0.005	<7.36E-09	5.92±3.31E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1111A	DOWN - C (4)	7.08	954	1.7	<0.005	<1.33E-08	<3.15E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1111A	DOWN - C (5)	6.77	983	1.6	<0.005	1.69±1.19E-09	5.87±2.88E-09	1.75±1.19E-07	<2.83E-08	<3.08E-08
WNW1111A	DOWN - C (6)	7.01	991	2.1	<0.005	<7.71E-09	8.36±3.15E-09	<1.12E-07	<3.40E-08	<4.49E-08
WNW1111A	DOWN - C (7)	7.11	1068	4.4	<0.005	<7.04E-09	5.13±4.09E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1111A	DOWN - C (8)	6.72	1154	<1.0	<0.005	9.85±8.27E-09	<5.46E-09	1.39±0.79E-07	<2.31E-08	<1.92E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 4
Contamination Indicator Parameters for the Lacustrine Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25°C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW0901	UP (1)									
WNW0901	UP (2)	7.93	359			1.62±1.58E-09	6.51±2.76E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0901	UP (3)	7.84	383	3.9	0.009	<2.46E-09	6.22±2.88E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0901	UP (4)	7.70	370	1.2	0.012	2.81±2.60E-09	5.40±2.53E-09	<1.00E-07	<2.83E-08	3.43±0.98E-08
WNW0901	UP (5)	7.73	365	9.9	<0.005	<2.22E-09	6.29±2.79E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0901	UP (6)	7.46	367	<1.0	<0.005	<1.86E-09	8.26±3.17E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW0901	UP (7)	7.73	375	20.0	0.005	<1.65E-09	7.67±2.95E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0901	UP (8)	7.37	372	2.9	<0.005	<1.77E-09	7.13±3.21E-09	3.20±1.37E-07	<2.31E-08	<2.19E-08
WNW0902	UP (1)									
WNW0902	UP (2)	8.52	406			<1.88E-09	6.62±2.94E-09	<1.00E-07		
WNW0902	UP (3)	9.88	347	<1.0	0.020	<3.15E-09	3.60±2.68E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW0902	UP (4)	8.14	420	<1.0	0.013	4.17±3.52E-09	7.19±2.89E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0902	UP (5)	8.25	419	1.8	0.021	<3.09E-09	2.74±2.52E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0902	UP (6)	8.09	433	1.6	<0.005	<2.29E-09	4.40±2.87E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0902	UP (7)	7.87	425	16.0	<0.005	<3.35E-09	4.71±2.74E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0902	UP (8)	7.92	428	2.2	<0.005	<1.94E-09	<2.72E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1001	UP (1)									
WNW1001	UP (2)	8.39	362			<1.22E-09	8.94±2.95E-09	<1.00E-07		
WNW1001	UP (3)	7.90	406	2.3	0.015	<3.42E-09	6.75±2.84E-09	<1.00E-07	<2.83E-08	<3.18E-08
WNW1001	UP (4)	7.75	393	3.6	0.015	<2.39E-09	7.32±2.69E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1001	UP (5)	7.78	391	8.1	0.014	<2.22E-09	5.74±2.46E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1001	UP (6)	7.70	408	<1.0	0.007	4.65±3.72E-09	5.42±3.02E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1001	UP (7)	7.65	443	3.0	0.019	<1.84E-09	5.97±2.61E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1001	UP (8)	7.39	426	24.0	0.019	<1.82E-09	3.31±2.54E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1008B	UP (1)									
WNW1008B	UP (2)	7.63	253			<1.18E-09	4.30±2.64E-09	<1.00E-07		
WNW1008B	UP (3)	7.52	281	2.0	0.011	<2.30E-09	<2.73E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1008B	UP (4)	7.31	289	1.4	0.018	<1.40E-09	9.52±2.87E-09	<1.00E-07	<2.83E-08	3.43±0.98E-08
WNW1008B	UP (5)	7.58	377	1.9	0.012	<2.22E-09	4.38±2.31E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1008B	UP (6)	7.48	344	3.3	<0.005	<1.96E-09	4.44±2.74E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1008B	UP (7)	7.51	390	6.7	0.007	<1.09E-09	<2.03E-09	<1.00E-07	<2.31E-08	<2.99E-08
WNW1008B	UP (8)	7.51	429	3.0	<0.005	<2.07E-09	3.03±2.52E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0903	DOWN - B (1)									
WNW0903	DOWN - B (2)	9.26	410			<1.29E-09	1.09±0.33E-08	<1.00E-07		
WNW0903	DOWN - B (3)	9.03	469	59.0	0.098	<4.10E-09	4.36±2.80E-09	<1.00E-07	<3.59E-08	<3.18E-08
WNW0903	DOWN - B (4)	8.62	508	13.0	0.008	<3.58E-09	6.66±2.80E-09	<1.00E-07	<2.83E-08	9.95±6.15E-09
WNW0903	DOWN - B (5)	8.31	582	1.7	0.007	<2.83E-09	9.39±3.19E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW0903	DOWN - B (6)	7.74	664	3.8	<0.005	<5.32E-09	1.07±0.34E-08	<1.00E-07	<3.97E-08	<4.13E-08
WNW0903	DOWN - B (7)	8.41	749	3.4	<0.005	<4.36E-09	6.74±3.09E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW0903	DOWN - B (8)	7.30	747	2.4	<0.005	<3.48E-09	<3.09E-09	2.27±1.39E-07	<2.31E-08	<2.19E-08

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to the hydraulic position.

Table E - 4 (continued)
Contamination Indicator Parameters for the Lacustrine Unit

Location Code	Hydraulic Position ^a	pH	Conductivity μmhos/cm@25 ⁰ C	TOC mg/L	TOX mg/L	Gross Alpha μCi/mL	Gross Beta μCi/mL	Tritium μCi/mL	Cs-137 μCi/mL	Co-60 μCi/mL
WNW1002	DOWN - B (1)									
WNW1002	DOWN - B (2)	7.37	774			<2.25E-09	4.05±2.95E-09	<1.00E-07		
WNW1002	DOWN - B (3)	7.24	803	6.4	<0.005	<8.91E-09	<2.97E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1002	DOWN - B (4)	7.19	807	1.3	<0.005	<9.66E-09	5.39±2.92E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1002	DOWN - B (5)	7.33	826	2.0	0.010	<6.78E-09	6.29±2.90E-09	<1.00E-07	<3.97E-08	1.37±0.52E-08
WNW1002	DOWN - B (6)	7.18	820	2.6	<0.005	<4.62E-09	4.04±3.10E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1002	DOWN - B (7)	7.15	840	5.1	0.009	<3.82E-09	<3.92E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1002	DOWN - B (8)	6.88	863	4.7	<0.005	<2.36E-09	6.64±5.09E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1003	DOWN - B (1)									
WNW1003	DOWN - B (2)	8.36	414			<1.35E-09	1.16±0.34E-08	<1.00E-07		
WNW1003	DOWN - B (3)	7.84	419	4.4	0.011	<2.36E-09	<2.94E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1003	DOWN - B (4)	7.77	414	2.4	0.007	<1.82E-09	5.39±2.50E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1003	DOWN - B (5)	7.85	416	1.7	0.011	<2.37E-09	4.88±2.56E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1003	DOWN - B (6)	7.62	417	2.7	<0.005	<2.77E-09	3.49±2.68E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1003	DOWN - B (7)	7.54	429		0.015	<7.07E-10	<2.00E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1003	DOWN - B (8)	7.43	421	<1.0	0.008	<1.37E-09	4.21±2.80E-09	<1.00E-07	<2.03E-08	<2.19E-08
WNW1004	DOWN - B (1)									
WNW1004	DOWN - B (2)	7.67	455			<1.39E-09	1.05±0.30E-08	<1.00E-07		
WNW1004	DOWN - B (3)	7.53	450	1.9	0.008	<3.95E-09	<2.89E-09	<1.00E-07	<2.88E-08	<2.99E-08
WNW1004	DOWN - B (4)	7.58	454	2.2	<0.005	<3.48E-09	5.87±2.62E-09	<1.00E-07	<2.83E-08	<3.08E-08
WNW1004	DOWN - B (5)	7.67	449	1.4	<0.005	<3.24E-09	<2.22E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1004	DOWN - B (6)	7.53	447	2.4	<0.005	<2.78E-09	<2.79E-09	<1.00E-07	<3.97E-08	<4.13E-08
WNW1004	DOWN - B (7)	7.33	457	3.5	0.008	<2.70E-09	3.90±2.69E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1004	DOWN - B (8)	7.17	442	<1.0	<0.005	<2.17E-09	4.27±2.78E-09	<1.00E-07	<2.31E-08	<2.19E-08
WNW1101C	DOWN - B (1)									
WNW1101C	DOWN - B (2)	7.55	546			<2.30E-09	1.18±0.35E-08	<1.00E-07	<2.88E-08	<3.11E-08
WNW1101C	DOWN - B (3)	7.54	540	1.9	0.022	<2.64E-09	1.17±0.34E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW1101C	DOWN - B (4)	7.49	562	2.8	0.007	<3.37E-09	1.93±0.40E-08	<1.00E-07	<3.59E-08	<3.18E-08
WNW1101C	DOWN - B (5)	7.47	538	2.5	<0.005	<3.41E-09	1.34±0.36E-08	<1.00E-07	<2.83E-08	<3.08E-08
WNW1101C	DOWN - B (6)	7.56	526	2.2	<0.005	<3.00E-09	1.05±0.33E-08	<1.00E-07	<2.31E-08	<2.19E-08
WNW1101C	DOWN - B (7)	7.31	556	3.4	0.008	<1.86E-09	4.98±2.97E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW1101C	DOWN - B (8)	7.26	561	<1.0	<0.005	<3.14E-09	4.46±2.97E-09	<1.00E-07	<3.40E-08	<3.35E-08
WNW0407 ^b	DOWN - C (2)								<1.70E-06	<1.68E-06

a) General position in geologic unit. Sample rep number is indicated in parenthesis next to hydraulic position.
b) No other samples available - dry