

# Appendix E

## Groundwater Monitoring Results

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**Table E-1: Groundwater Well Construction Details**

Location	Well Depth	Stick-Up (m)	Well Depth	Rebar Elevation	Top of Casing	Screen Length (m)	Bottom of Screen Elevation	Top of Screen Elevation	Well Diameter (in)
	(m b/TOC)		(m BG)	(m AMSL)	(m AMSL)		(m AMSL)	(m AMSL)	
DSP-1	1.41	0.30	1.11	5.08	5.18	1.11	4.08	5.18	1.00
DSP-2	1.38	0.69	0.69	5.13	5.23	0.69	4.54	5.23	1.00
DSP-3	1.34	0.68	0.67	5.35	5.33	0.67	4.67	5.33	1.00
DSP-4	1.44	0.59	0.86	n/a	3.28	0.33	2.43	2.76	1.00
DSP-5a	1.39	0.64	0.75	n/a	3.20	0.64	2.45	3.09	1.00
BW-1	1.39	0.74	0.65	2.85	2.93	0.65	2.28	2.93	1.00
BW-2	1.39	0.55	0.84	2.97	2.86	0.84	2.02	2.86	1.00
BW-3	1.44	0.54	0.91	2.72	2.91	0.91	2.00	2.91	1.00
D1-S	34.70	0.60	10.39	n/a	6.97	3.05	-3.42	-0.37	2.00
D1-D	127.1	0.67	38.54	n/a	7.07	3.05	-31.47	-28.42	2.00
D2-S	38.02	0.6	11.41	n/a	10.36	3.05	-1.05	2.00	2.00
D2-D	133.92	0.67	40.61	n/a	10.37	3.05	-30.25	-27.20	2.00
BERM1	5.0	0	5.0	n/a	6.8	0.1	1.8	1.7	pneumatic
BERM2	5.0	0	5.0	n/a	6.7	0.1	1.7	1.6	pneumatic
BERM3	5.0	0	5.0	n/a	6.6	0.1	1.6	1.5	pneumatic
BERM5	5.0	0	5.0	n/a	6.4	0.1	1.4	1.3	pneumatic
SW-DSP	n/a	n/a	n/a	n/a	5.75	n/a	n/a	n/a	2.00
SW-BW	n/a	n/a	n.a	n/a	3.34	n/a	n/a	n/a	2.00

<b>(m b/TOC)</b>	metres below top of casing
<b>(m BG)</b>	metres below grade
<b>(m AMSL)</b>	metres above mean sea level

Table E-2: Shallow Groundwater Sampling: General Chemistry and Metals Concentrations 2006

Parameters	Units	CCME FWAL	DSP-1			DSP-2		DSP-3		DSP-4	DSP-5		BW-1		BW-2		BW-3	
			18-Jul-06	23-Aug-06	5-Sep-08	18-Jul-06	23-Aug-06	19-Jul-06	23-Aug-06	23-Aug-06	23-Aug-06	5-Sep-08	19-Jul-06	23-Aug-06	18-Jul-06	23-Aug-06	18-Jul-06	23-Aug-06
Alkalinity (Total as CaCO3)	mg/L	-	<1	<1	<1	45	47	1	22		70	6	2	180	170	12	130	
Chloride (Cl)	mg/L	-	18	21	15	28	35	23	32		160	39	44	59	66	450	850	
Colour	TCU	-	390	130	>500	320	24	90	170		54	270	97	19	15	200	12	
Hardness (CaCO3)	mg/L	-	7	11	10	50	53	45	46		90	16	15	150	140	130	260	
Nitrate (N)	mg/L	13	0.07	<1	<0.06	<0.06	<0.06	<0.06	<0.06		<0.06	<0.06	<0.06	<0.06	<0.06	0.1	<0.06	
Nitrite (N)	mg/L	0.06	<0.06	<1	<0.06	<0.06	<0.06	<0.06	<0.06		<1 (1)	<0.06	<0.06	<0.06	<0.06	<1	<3	
Nitrite + Nitrate	mg/L	-	0.07	<1	<0.06	<0.06	<0.06	<0.06	<0.06		<1	<0.06	<0.06	<0.06	<0.06	<1	<3	
Nitrogen (Ammonia Nitrogen)	mg/L	1.54 <sup>a</sup>	1.2	1.2	0.05	0.26	0.09	0.08	0.12		0.51	0.38	0.27	1.9	0.71	8.3	1.2	
Total Organic Carbon (C)	mg/L	-	<500	76	250 (2)	<500	<500	<500	<500		3.8 (3)	<500	50	1100	1300	<500	520	
Orthophosphate (P)	mg/L	-	<0.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
pH	pH	6.5 - 9.0	4.4	4.5	4.2	6.6	6.5	5.0	5.5		6.9	5.3	5.2	7.6	7.4	5.9	6.5	
Silica (SiO2)	mg/L	-	11	12	0.9	5.7	4.6	10	22		4.7	7.1	14	2.4	2.8	6.9	6.5	
Sulphate (SO4)	mg/L	-	<2	5	<2	7	4	58	9		3	<2	4	67	14	11	11	
Turbidity	NTU	-	>1000	570	>1000	>1000	>1000	>1000	>1000		>1000	>1000	>1000	>1000	>1000	>1000	>1000	
Conductivity	uS/cm	-	88	89	94	200	220	240	150		690	170	160	630	530	1400	2600	
Anion Sum	me/L	-	0.507	0.696	0.43	1.84	2.03	1.89	1.52		5.88	1.23	1.36	6.63	5.54	13.2	26.8	
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	<1	<1	<1	45	47	1	22		70	6	2	178	169	12	129	
Calculated TDS	mg/L	-	40	51	30	105	113	153	145		329	90	96	371	300	775	1490	
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	
Cation Sum	me/L	-	0.576	0.695	0.69	1.84	1.96	2.66	2.96		5.35	1.68	1.46	4.93	4.56	13.5	24.3	
Ion Balance (% Difference)	%	-	6.4	0.079	23.2	0.0816	1.78	16.8	32.1		4.72	15.2	3.61	14.8	9.65	0.9	4.95	
Langelier Index (@ 20C)	N/A	-	NC	NC	NC	-1.98	-2.03	-5.21	-3.47		-1.34	-4.92	-5.46	0.012	-0.238	-3.34	-1.49	
Langelier Index (@ 4C)	N/A	-	NC	NC	NC	-2.23	-2.28	-5.46	-3.72		-1.59	-5.17	-5.71	-0.236	-0.487	-3.59	-1.74	
Saturation pH (@ 20C)	N/A	-	NC	NC	NC	8.58	8.53	10.2	8.97		8.24	10.2	10.7	7.59	7.64	9.24	7.99	
Saturation pH (@ 4C)	N/A	-	NC	NC	NC	8.83	8.78	10.5	9.22		8.49	10.5	10.9	7.84	7.89	9.49	8.24	
Dissolved Aluminum (Al)	ug/L	5 to 100 <sup>b</sup>	130	170	490	1600	1600	5700	11000	4900	7400	110	4200	2200	80	34	3800	1100
Dissolved Antimony (Sb)	ug/L	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Dissolved Arsenic (As)	ug/L	5	1.5	1.5	2.6	5.3	3.2	4.4	4.3	6.9	8.4	1.3	3.1	1.9	2.5	10	3.6	
Dissolved Barium (Ba)	ug/L	-	11	23	6.3	110	56	42	55	230	840	270	56	31	200	270	320	
Dissolved Beryllium (Be)	ug/L	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	
Dissolved Bismuth (Bi)	ug/L	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Dissolved Boron (B)	ug/L	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	130	<100	
Dissolved Cadmium (Cd)	ug/L	0.017 <sup>c</sup>	<0.017	0.13	<0.017	0.12	0.027	0.093	0.11	0.27	0.65	<0.017	0.13	0.062	0.036	<0.017	0.31	0.074
Dissolved Chromium (Cr)	ug/L	-	<1.0	<1.0	<1.0	2.6	1.9	15	19	7.7	12	<1.0	8.4	3.3	<1.0	11	4.8	
Dissolved Cobalt (Co)	ug/L	-	<1.0	<1.0	<1.0	1.9	1.2	2.2	<1.0	7.5	11	<1.0	10	2.2	1.8	31	33	
Dissolved Copper (Cu)	ug/L	2 to 4 <sup>c</sup>	20	60	3	15	8.6	30	78	51	110	3.4	25	18	<2.0	<2.0	21	29
Dissolved Iron (Fe)	ug/L	300	240	390	660	2600	2100	24000	34000	18000	87000	4100	11000	4000	250	<100	36000	84000
Dissolved Lead (Pb)	ug/L	1 to 7 <sup>c</sup>	1.6	1.4	2.3	9	2.4	17	20	18	39	<1.0	11	4.5	<1.0	<1.0	73	13
Dissolved Lithium (Li)	ug/L	-	2.3	2.2	<1.0	2.4	1.9	1.9	4.1	6.5	6.5	2.3	3.2	2.5	<1.0	<1.0	4	4.4
Dissolved Manganese (Mn)	ug/L	-	28	44	24	760	740	1200	600	850	2900	7800	1700	500	38000	26000	3100	7400
Dissolved Molybdenum (Mo)	ug/L	-	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.2	4.2	<4.0	<4.0
Dissolved Nickel (Ni)	ug/L	25	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.2	8.5	14	<3.0	<3.0	<3.0	<3.0	3.8	<3.0	
Dissolved Phosphorus (P)	ug/L	-	<100	<100	<100	<100	<100	<100	<100	150	<100	<100	<100	<100	<100	<100	<100	<100
Dissolved Selenium (Se)	ug/L	1	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	1.7	<1.0	7.4	7.2
Dissolved Silver (Ag)	ug/L	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.1
Dissolved Strontium (Sr)	ug/L	-	17	33	19	250	220	180	64	100	170	35	41	410	350	170	280	
Dissolved Sulphur (S)	ug/L	-	<3700	<3700	<3700	<3700	<3700	22000	<3700	5300	<3700	<3700	<3700	22000	<3700	<3700	<3700	<3700
Dissolved Thallium (Tl)	ug/L	0.8	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
Dissolved Tin (Sn)	ug/L	-	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Dissolved Titanium (Ti)	ug/L	-	<3.0	<3.0	7.3	4	40	37	22	9	4.7	<3.0	17	60	4	<3.0	9.1	12
Dissolved Uranium (U)	ug/L	-	<0.15	<0.15	<0.15	0.38	<0.15	0.63	0.88	0.32	1	<0.15	0.63	<0.15	0.17	0.22	0.94	<0.15
Dissolved Vanadium (V)	ug/L	-	<2.0	<2.0	<2.0	5.9	3.3	19	30	12	16	<2.0	11	3.9	<2.0	<2.0	27	3.7
Dissolved Zinc (Zn)	ug/L	30	15	20	11	24	6.7	150	86	56	150	14	100	24	2.9	<2.0	24	14
Dissolved Calcium (Ca)	mg/L	-	1.1	2.5	1.3	13	14	11	11	12	22	22	2.2	2.1	40	36	15	32
Dissolved Magnesium (Mg)	mg/L	-	1.1	1.3	1.7	4.3	4.4	4.6	4.3	4.5	5	8.7	2.6	2.3	14	12	21	43
Dissolved Potassium (K)	mg/L	-	<1	<1	1.3	<1	<1	<1	<1	3	<1	4.4	2	1	6	3	10	15
Dissolved Sodium (Na)	mg/L	-	7	8	8.5	17	19	20	19	98	81	75	20	22	35	38	200	360

*Italics - Detection limit exceeds guideline*

CCME FWAL = CCME Canadian Council of Ministers of the Environment, 1999 (updated 2003) Water Quality Guidelines, Fresh Water Aquatic Life

a. CCME FWAL guideline @ 20 degrees Celsius and pH 7.5 (see CCME guidelines and table 2, in the fact sheet for ammonia)

b. Criteria for appropriate CCME FWAL guideline based on laboratory measurements of pH and Ca<sup>2+</sup> only (DOC not measured)

c. Guideline varies as a function of hardness

**Table E-3: Shallow Groundwater Sampling: Petroleum Hydrocarbon and PAH Concentrations 2006**

Parameters	Units	CCME FWAL	DSP-1			DSP-2		DSP-3		DSP-5	BW-1		BW-2		BW-3	
			18-Jul-06	23-Aug-06	5-Sep-08	18-Jul-06	23-Aug-06	19-Jul-06	23-Aug-06	5-Sep-08	19-Jul-06	23-Aug-06	18-Jul-06	23-Aug-06	18-Jul-06	23-Aug-06
Benzene	mg/L	0.37	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	0.002	<0.001	<0.001	<0.001	<b>0.006</b>	<b>0.024</b>	0.001	<b>0.004</b>	<0.001	<b>0.027</b>	<b>0.025</b>	0.002	0.002	0.002	<b>0.009</b>
Ethylbenzene	mg/L	0.09	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene (Total)	mg/L	-	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
C6 - C10 (less BTEX)	mg/L	-	0.38	<0.01	<0.01	0.19	0.07	0.45	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
>C10-C21 Hydrocarbons	mg/L	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	<0.2	<0.2	<0.2
>C21-<C32 Hydrocarbons	mg/L	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	<0.5
Modified TPH (Tier1)	mg/L	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5
1-Methylnaphthalene	ug/L	-	<0.05		<0.05	<0.05		<0.05		<0.05	<0.05		<0.08		<0.05	
2-Methylnaphthalene	ug/L	-	<0.05		<0.05	0.05		<0.05		<0.05	<0.05		<0.08		<0.05	
Acenaphthene	ug/L	5.8	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Acenaphthylene	ug/L	-	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Anthracene	ug/L	0.012	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Benzo(a)anthracene	ug/L	0.018	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Benzo(a)pyrene	ug/L	0.015	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Benzo(b)fluoranthene	ug/L	-	<0.01		<0.01	0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Benzo(g,h,i)perylene	ug/L	-	<0.01		0.02	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Benzo(k)fluoranthene	ug/L	-	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Chrysene	ug/L	-	<0.01		<0.01	0.01		<0.01		<0.01	<0.01		0.02		<0.01	
Dibenzo(a,h)anthracene	ug/L	-	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Fluoranthene	ug/L	0.04	0.01		<0.01	0.01		<0.01		<0.01	0.01		0.02		0.01	
Fluorene	ug/L	3	<0.01		<0.01	<0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.01		<0.01	0.01		<0.01		<0.01	<0.01		<0.02		<0.01	
Naphthalene	ug/L	1.1	<0.2		<0.2	<0.2		<0.2		<0.2	<0.2		<0.3		<0.2	
Perylene	ug/L	-	<0.01		<0.01	<0.01		<0.01		0.12	<0.01		<0.02		1.6	
Phenanthrene	ug/L	0.4	<0.01		<0.01	0.02		<0.01		<0.01	0.01		0.02		0.01	
Pyrene	ug/L	0.025	<0.01		<0.01	0.01		<0.01		<0.01	<0.01		<0.02		0.02	

*italics - Detection limit exceeds guideline*

CCME FWAL = CCME Canadian Council of Ministers of the Environment, 1999 (updated 2003) Water Quality Guidelines, Fresh Water Aquatic Life

**Table E-4: Bedrock Groundwater Sampling: General Chemistry and Metals Concentrations 2008**

Parameters	Units	CCME FWAL	D-1-A	D-1-B	D-2A	D-2B
			5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08
Alkalinity (Total as CaCO3)	mg/L	-	6	150	12	34
Chloride (Cl)	mg/L	-	84	320	59	14
Colour	TCU	-	<5	<5	<5	<5
Hardness (CaCO3)	mg/L	-	34	52	35	57
Nitrate (N)	mg/L	13	<0.06	<0.06	<0.06	<0.06
Nitrite (N)	mg/L	0.06	<1 (1)	<3 (1)	<0.6 (1)	<0.06
Nitrite + Nitrate	mg/L	-	<1	<3	<0.6	<0.06
Nitrogen (Ammonia Nitrogen)	mg/L	1.54 <sup>a</sup>	<0.05	0.34	<0.05	<0.05
Total Organic Carbon (C)	mg/L	-	<5 (2)	7 (2)	2.6 (3)	2.3
Orthophosphate (P)	mg/L	-	<0.3	<0.3	<0.3	<0.3
pH	pH	6.5 - 9.0	5.90	7.70	6.20	7.50
Silica (SiO2)	mg/L	-	6.4	6.2	6.5	1.9
Sulphate (SO4)	mg/L	-	8	<2	9	25
Turbidity	NTU	-	230	250	>1000	10
Conductivity	uS/cm	-	290	1200	240	170
Anion Sum	mg/L	-	2.66	12.0	2.11	1.60
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	6	152	12	34
Calculated TDS	mg/L	-	162	678	124	92
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	<1	<1	<1	<1
Cation Sum	me/L	-	2.57	11.6	1.92	1.46
Ion Balance (% Difference)	%	-	1.72	1.57	4.71	4.58
Langelier Index (@ 20C)	N/A	-	-3.89	-0.473	-3.17	-0.983
Langelier Index (@ 4C)	N/A	-	-4.14	-0.720	-3.42	-1.23
Saturation pH (@ 20C)	N/A	-	9.79	8.17	9.37	8.48
Saturation pH (@ 4C)	N/A	-	10.0	8.42	9.62	8.73
Dissolved Aluminum (Al)	ug/L	5 to 100 <sup>b</sup>	15	26	49	10
Dissolved Antimony (Sb)	ug/L	-	<0.40	<0.40	<0.40	<0.40
Dissolved Arsenic (As)	ug/L	5	1.5	<0.60	<0.60	<0.60
Dissolved Barium (Ba)	ug/L	-	350	770	180	25
Dissolved Beryllium (Be)	ug/L	-	<0.50	<0.50	<0.50	<0.50
Dissolved Bismuth (Bi)	ug/L	-	<2.0	<2.0	<2.0	<2.0
Dissolved Boron (B)	ug/L	-	<100	<100	<100	<100
Dissolved Cadmium (Cd)	ug/L	0.017 <sup>c</sup>	<0.017	0.039	0.021	<0.017
Dissolved Chromium (Cr)	ug/L	-	<1.0	<1.0	<1.0	<1.0
Dissolved Cobalt (Co)	ug/L	-	5.9	1.3	2.7	<1.0
Dissolved Copper (Cu)	ug/L	2 to 4 <sup>c</sup>	<2.0	<2.0	2.3	2.2
Dissolved Iron (Fe)	ug/L	300	19000	4800	910	<100
Dissolved Lead (Pb)	ug/L	1 to 7 <sup>c</sup>	<1.0	<1.0	<1.0	<1.0
Dissolved Lithium (Li)	ug/L	-	3.9	18	3.3	1.6
Dissolved Manganese (Mn)	ug/L	-	2500	770	1200	11
Dissolved Molybdenum (Mo)	ug/L	-	<4.0	<4.0	<4.0	<4.0
Dissolved Nickel (Ni)	ug/L	25	5.0	<3.0	<3.0	<3.0
Dissolved Phosphorus (P)	ug/L	-	<100	<100	<100	<100
Dissolved Selenium (Se)	ug/L	1	<1.0	<1.0	<1.0	<1.0
Dissolved Silver (Ag)	ug/L	0.1	<0.10	<0.10	<0.10	<0.10
Dissolved Strontium (Sr)	ug/L	-	94	640	140	49
Dissolved Thallium (Tl)	ug/L	0.8	<0.80	<0.80	<0.80	<0.80
Dissolved Tin (Sn)	ug/L	-	<20	<20	<20	<20
Dissolved Titanium (Ti)	ug/L	-	<3.0	<3.0	<3.0	<3.0
Dissolved Uranium (U)	ug/L	-	<0.15	<0.15	<0.15	<0.15
Dissolved Vanadium (V)	ug/L	-	<2.0	<2.0	<2.0	<2.0
Dissolved Zinc (Zn)	ug/L	30	14	<5.0	9.4	51
Dissolved Calcium (Ca)	mg/L	-	5.9	14	8.1	21
Dissolved Magnesium (Mg)	mg/L	-	4.6	4.2	3.6	0.9
Dissolved Potassium (K)	mg/L	-	1.0	3.0	1.4	0.8
Dissolved Sodium (Na)	mg/L	-	27	240	27	7.0

*Italics - Detection limit exceeds guideline*

CCME FWAL = CCME Canadian Council of Ministers of the Environment, 1999 (updated 2003) Water Quality Guidelines, Fresh Water Aquatic Life

a. CCME FWAL guideline @ 20 degrees Celsius and pH 7.5 (see CCME guidelines and table 2, in the fact sheet for ammonia)

b. Criteria for appropriate CCME FWAL guideline based on laboratory measurements of pH and Ca<sup>2+</sup> only (DOC not measured)

c. Guideline varies as a function of hardness

(1) Reporting limit for Nitrite elevated due to Chloride interference.

(2) The detection limit was increased due to matrix interference.

(3) The sample was decanted as the sediment content was >5%.

Figure E-1. Hourly Water Levels in DSP and BW

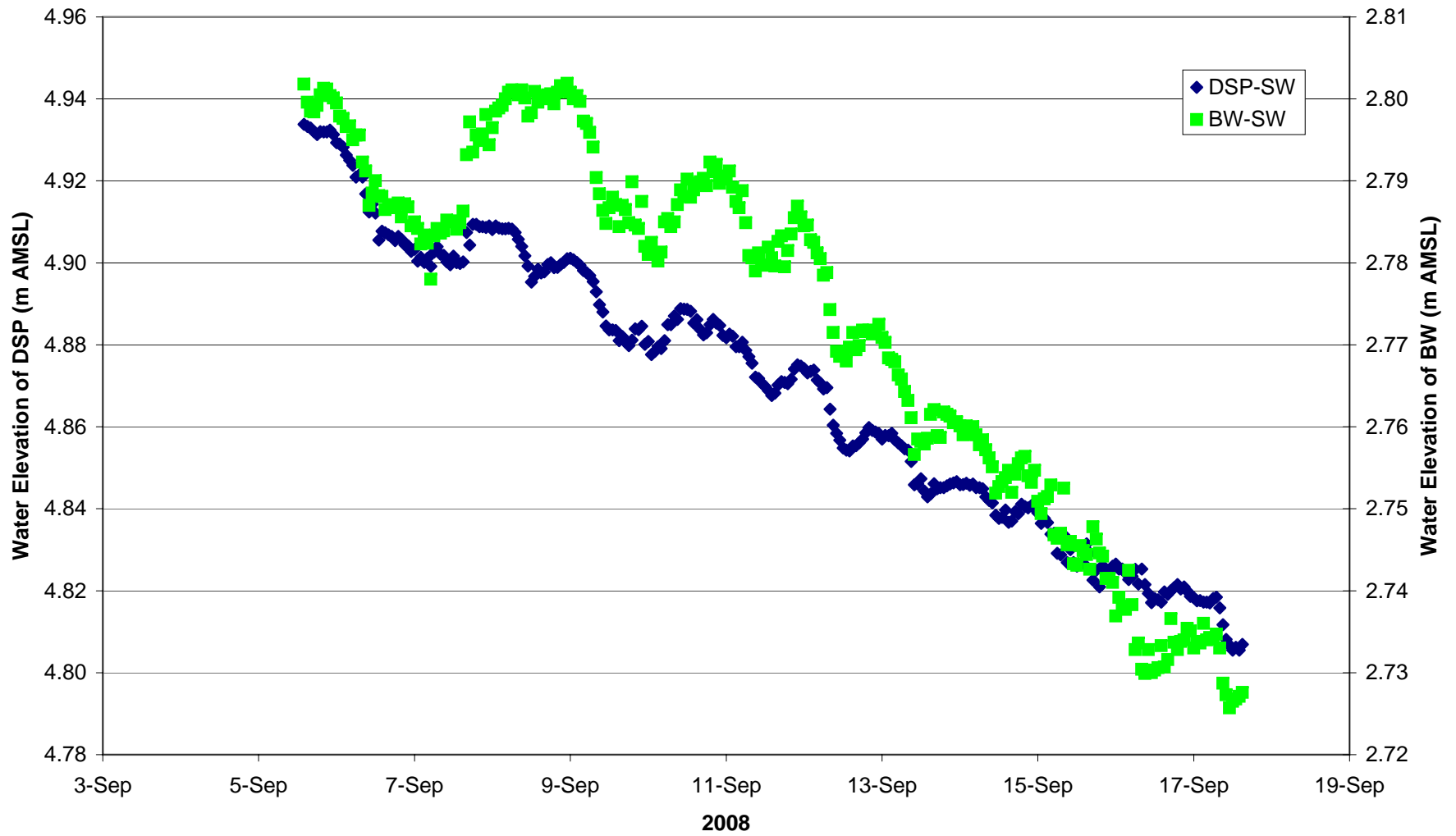


Figure E-2. Hourly Water Levels in DSP and Monitoring Well D1-S

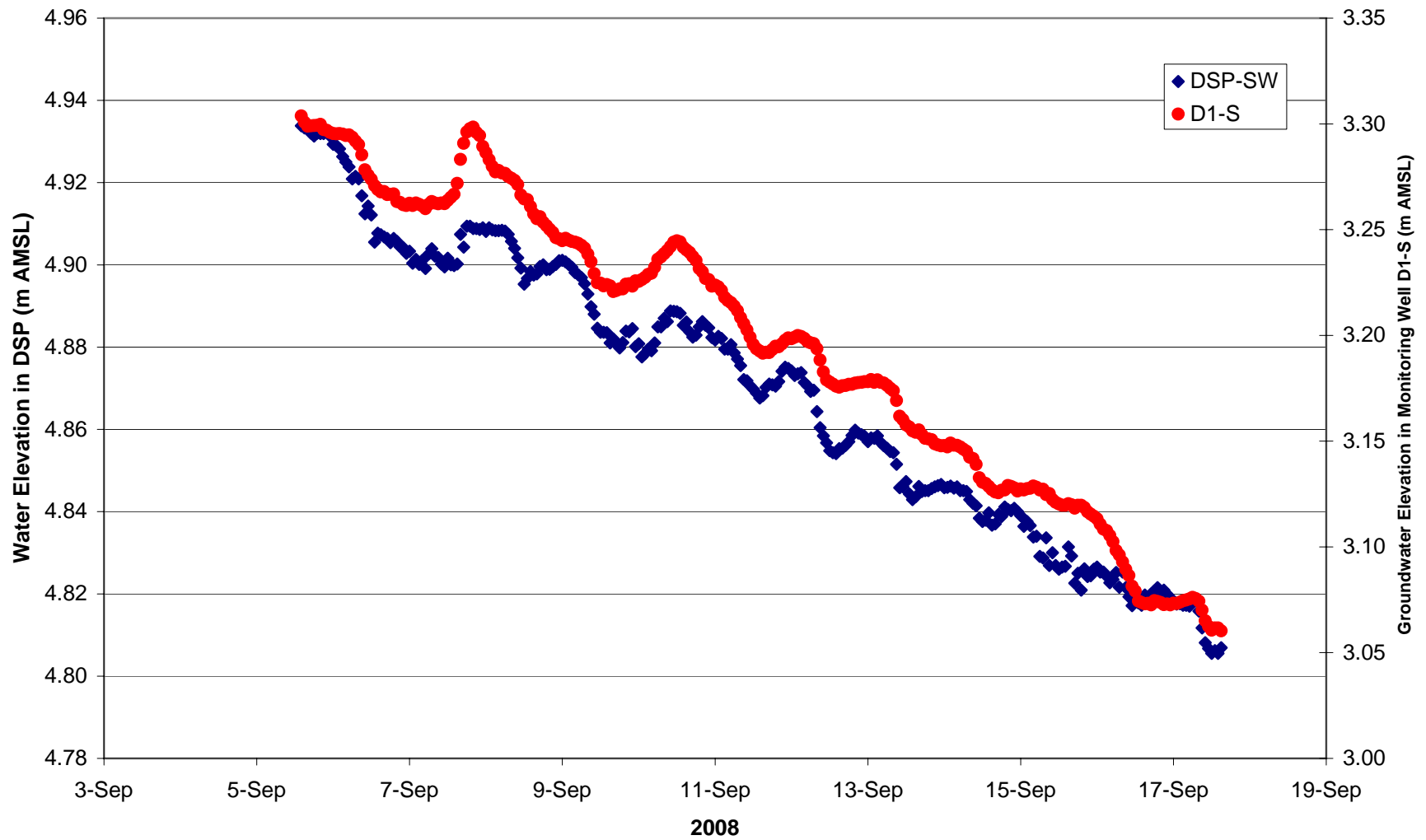


Figure E-3. Hourly Water Levels in BW and Monitoring Well D1-S

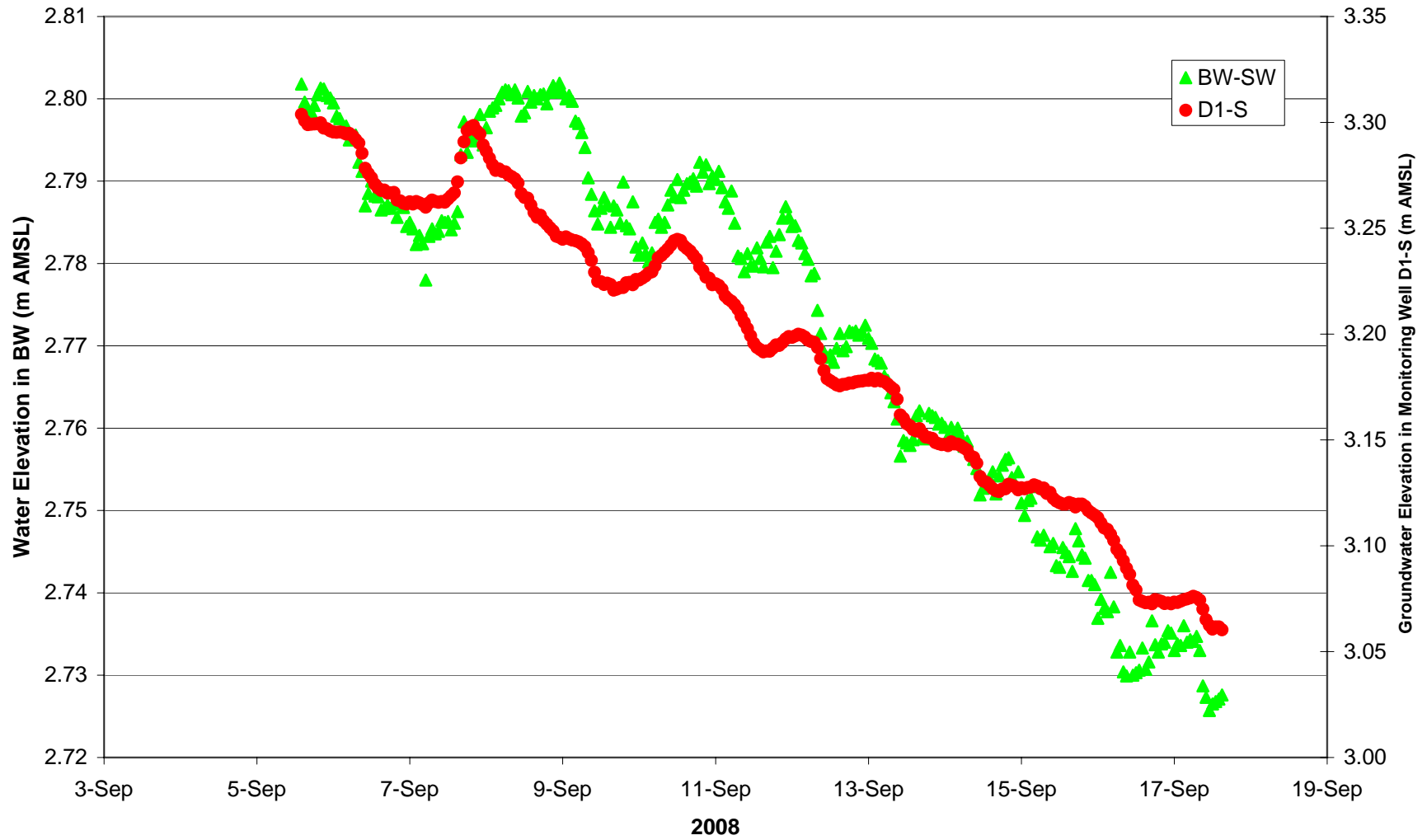


Figure E-4. Hourly Water Levels in Monitoring Wells D1-S and D1-D

