Appendix C

Analytical Results for Surface Water Samples, January 2000 through April 2011

This page intentionally left blank

Upstream -- SW00-01[a]

Analyte	Unit	04/18/00	07/17/00	10/20/00	04/17/01	07/11/01	10/09/01	04/07/05	10/05/05	04/28/06	10/02/06	04/11/07	10/08/07	04/09/08[g]
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	196	130	263	218	196	98	145	202	228	183	227	186	213
Conductivity[c]	µmhos/cm	1544	847	8190	792	652	632	562	1389	1011	1332	959	1157	613
DO[c]	mg/L	--	--	--	--	--	--	--	8.81	--	8.30	--	--	--
pH[c]	s.u.	8.13	8.21	7.56	8.3	8.18	8.08	7.24	8.24	8.26	7.99	8.31	8.35	7.94
Temperature[c]	C	5.6	19.5	3.1	13.1	19.7	9.8	5.6	8.4	7.17	12.09	6.43	13.1	4.01
Common Ions														
Ca[b]	mg/L	148	135	124	107	83.6	78.8	84.0	270	170	340	200	230	93.0
Chloride[b]	mg/L	9.67	7.42	6.45	10.8	8.48	19.8	9.70	11.0	11.0	7.20	11.0	5.10	9.90
Fluoride[b]	µg/L	174	201	202	10.4U	592	473	100.U	200.U	120.	260.	140.	240.	110.
Hardness[b]	mg/L	461	431	388	338	272	244	263	831	532	1020	606	706	290
K[b]	mg/L	1.50	2.04	1.91	2.18	1.29	12.4	2.00	3.90	2.20	5.40	2.20	4.40	1.80
Mg[b]	mg/L	22.2	22.9	19.0	17.1	15.4	11.5	13.0	38.0	26.0	41.0	26.0	32.0	14.0
Na[b]	mg/L	27.7	25.5	21.6	34.9	30.3	12.1	19.0	35.0	28.0	27.0	29.0	23.0	21.0
NO_3+NO_2 as N[b]	µg/L	32.4U	238	32.4U	4.7U	37	1680	170.	12	48	10.U	10.U	10.U	67
SO_4[b]	mg/L	298	319	225	162J	146	165	130	600	370	650	320	530	140
TDS[c]	mg/L	660	682	588	542	425	495	--	--	--	--	--	--	--
Metals														
As[b]	µg/L	0.24	0.3U	0.45	0.5U	0.5U	2.4	0.24	0.007U	0.0075U	0.012U	0.012U	0.35	0.36
Fe[b]	µg/L	7.4U	9.1U	21.9	40.6	5.1	80.7J	6.8U	7.8U	14U	6.6	3.7U	5.6U	350
Mn[b]	µg/L	6.6	5	8.2	10.8	3.6	23.2	16	3.7	32	6	33	7.6	24
Mo[b]	µg/L	0.4U	2.1	1.7	0.4U	3.5	2.4	1.5	1.8J	2.1J	2J	2	2.7	2.1
Se[b]	µg/L	0.75	0.18	0.12	0.56	0.3U	0.3U	1.3	0.023U	0.02U	0.025U	0.038U	0.028U	1.4
U[b]	µg/L	3.7	3.9	2.4	4.5	3	2.5	2.7	4.6	3.7	3	4	2.8	3.1
V[b]	µg/L	1.1	1.3U	1.3U	0.87	1.6	5	0.3UR	0.1U	0.76J	0.45	0.4J	0.96J	1
Radiological														
Alpha[c,d]	pCi/L	6.4U	6.6UJ	9.0U	4.6U	2.8UJ	10.3UJ	2.9	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	6.4U	6.6UJ	9.0U	4.6U	2.8UJ	10.3UJ	0.24	--	--	--	--	--	--
Beta[c]	pCi/L	6.3U	7.6U	7.5U	4.0U	2.7U	23.9	4.2	--	--	--	--	--	--
U[b]	µg/L	3.7	3.9	2.4	4.5	3	2.5	2.7	4.6	3.7	3	4	2.8	3.1
U-234[c]	pCi/L	--	--	0.52U	3.5	0.76UJ	4.1	1.8	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	0.056U	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	0.85	2.2	1.3	1.4	0.86	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Upstream -- SW00-01[a]

Analyte	Unit	10/08/08	04/06/09	04/21/10
Field Measurements				
Alkalinity[c]	mg/L	--	--	114
Alkalinity[b]	mg/L	172	193	--
Conductivity[c]	µmhos/cm	1162	1004	531
DO[c]	mg/L	--	--	--
pH[c]	s.u.	8.23	8.22	7.88
Temperature[c]	C	16.04	9.34	7.40
Common Ions				
Ca[b]	mg/L	230	240J	70.0
Chloride[b]	mg/L	6.40	18.0	6.50
Fluoride[b]	µg/L	400.	230.	160.
Hardness[b]	mg/L	698	727J	220
K[b]	mg/L	5.70J	3.80J	1.40J
Mg[b]	mg/L	30.0	31.0	11.0
Na[b]	mg/L	20.0	34.0J	16.0
NO_3+NO_2 as N[b]	µg/L	11	10.U	140.
SO_4[b]	mg/L	520	430	100
TDS[c]	mg/L	--	--	--
Metals				
As[b]	µg/L	0.51	0.27	0.4
Fe[b]	µg/L	3.1U	24	35
Mn[b]	µg/L	0.2U	4.2	7.3
Mo[b]	µg/L	2.5	2.6	1.6
Se[b]	µg/L	0.2	0.3	1.4
U[b]	µg/L	3	3.9	1.4
V[b]	µg/L	0.69	0.35	0.55
Radiological				
Alpha[c,d]	pCi/L	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--
Beta[c]	pCi/L	--	--	--
U[b]	µg/L	3	3.9	1.4
U-234[c]	pCi/L	--	--	--
U-235[c]	pCi/L	--	--	--
U-238[c]	pCi/L	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Upstream -- SW92-03[a]

Analyte	Unit	10/30/00	04/17/01	07/12/01	10/09/01
Field Measurements					
Alkalinity[b]	mg/L	225	216	177	103
Conductivity[c]	µmhos/cm	839	777	678	650
pH[c]	s.u.	7.58	8.25	7.88	7.83
Temperature[c]	C	6.5	15.7	16.1	8.8
Common Ions					
Ca[b]	mg/L	132	107	89.7	81.2
Chloride[b]	mg/L	7.26	10.7	8.57	22.9
Fluoride[b]	µg/L	196	148	132	449
Hardness[b]	mg/L	412	335	286	250
K[b]	mg/L	1.97	2.42	1.15	12.4
Mg[b]	mg/L	20.0	16.4	15.1	11.5
Na[b]	mg/L	23.1	33.5	32.2	11.6
NO_3+NO_2 as N[b]	µg/L	32.4UJ	4.7U	49.9	1650
SO_4[b]	mg/L	241	160J	147	166
TDS[c]	mg/L	602	540	445	478
Metals					
As[b]	µg/L	0.34	0.5U	0.5U	2.4
Fe[b]	µg/L	11.7U	17.1	11.5	0.8UJ
Mn[b]	µg/L	7.2	11.8	14	27.2
Mo[b]	µg/L	1.9	0.4U	3U	3
Se[b]	µg/L	0.15	0.65	0.3U	0.57
U[b]	µg/L	2.5	4.3	2.9	2.3
V[b]	µg/L	1.3U	0.96	1.3	4.8
Radiological					
Alpha[c,d]	pCi/L	9.1U	4.4U	5.2UJ	9.7J
Alpha-U[c,e]	pCi/L	9.1U	4.4U	5.2UJ	6.2J
Beta[c]	pCi/L	9.4	4.0U	4.1U	25.3
U[b]	µg/L	2.5	4.3	2.9	2.3
U-234[c]	pCi/L	1.9	2.5	0.76UJ	2.3
U-238[c]	pCi/L	0.99	1.9	1.1	1.2

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Deer Draw[a]

Analyte	Unit	08/28/00
Metals		
As[b]	µg/L	2.4
Fe[b]	µg/L	449
Mn[b]	µg/L	49.6
Mo[b]	µg/L	20.4
Se[b]	µg/L	1.5
U[b]	µg/L	17.9
V[b]	µg/L	11
Radiological		
U[b]	µg/L	17.9
U-234[b]	pCi/L	5.8
U-235[b]	pCi/L	0.32U
U-238[b]	pCi/L	5.7

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Millsite Weir[a]

Analyte	Unit	10/09/01
Field Measurements		
Alkalinity[b]	mg/L	220
Conductivity[c]	µmhos/cm	1305
pH[c]	s.u.	7.66
Temperature[c]	C	13.9
Common Ions		
Ca[b]	mg/L	218
Chloride[b]	mg/L	19.2
Fluoride[b]	µg/L	245
Hardness[b]	mg/L	711
K[b]	mg/L	3.48
Mg[b]	mg/L	40.4
Na[b]	mg/L	42.4
NO_3+NO_2 as N[b]	µg/L	612
SO_4[b]	mg/L	581
TDS[c]	mg/L	1120
Metals		
As[b]	µg/L	1
Fe[b]	µg/L	20J
Mn[b]	µg/L	40.9
Mo[b]	µg/L	1.9U
Se[b]	µg/L	0.87
U[b]	µg/L	23.2
V[b]	µg/L	16.8
Radiological		
Alpha[c,d]	pCi/L	16.4J
Alpha-U[c,e]	pCi/L	0[f]
Beta[c]	pCi/L	15.9
U[b]	µg/L	23.2
U-234[c]	pCi/L	8.8
U-238[c]	pCi/L	9.2

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW00-02[a]

Analyte	Unit	04/18/00	07/17/00	10/20/00	01/30/01	04/17/01	07/12/01	10/08/01	01/31/02	04/10/02	10/09/02	12/10/02	04/07/03	10/08/03
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	208	145	328	264	126	230	185	278	278	138	226	290	273
Conductivity[c]	µmhos/cm	1444	1474	1629	2030	1601	1475	1624	1482	1624	1605	1646	1539	1511
DO[c]	mg/L	--	--	--	--	--	--	--	11.85	--	--	--	--	--
pH[c]	s.u.	8.09	7.87	7.93	7.6	7.92	7.86	7.9	7.91	8.26	8.17	8.34	--	8.29
Temperature[c]	C	5.5	24.1	12.2	1.8	18.6	21.4	17.1	0.24	6.8	18	0.93	11.7	10.58
Common Ions														
Ca[b]	mg/L	234	246	277	301	228	217	248	247	243	201	--	224	224
Chloride[b]	mg/L	20.6	15.6	19.4	39.9	47.5	24.3	24.7	28.6	24.5	45.9	--	44.8	35.2
Fluoride[b]	µg/L	164	162	178	202	276	197	205	131	124	178J	--	17.2U	169
Hardness[b]	mg/L	758	817	902	990J	767	724	842	814	826	732	--	757	762
K[b]	mg/L	2.27	2.79	2.92	2.72	2.61	3.16	3.49	2.71	2.85	4.71	--	2.79	3.63
Mg[b]	mg/L	42.2	49.2	51.0	58.0J	48.0	44.2	54.1	47.8	53.3	55.8	--	48.1	49.2
Na[b]	mg/L	42.6	44.9	47.9	60.4	68.4	63.8	63.5	51.6	62.7	91.3	--	67.9	73.3
NO_3+NO_2 as N[b]	µg/L	361	46.6	730	874	1220	131	168	327	166	15.6	--	347	4.50U
SO_4[b]	mg/L	577	720	661	836	311	596	724	624	625	750	--	549	590
TDS[c]	mg/L	1110	1310	1320	1610	1280	1180	1320	1300	1320	1220	--	1180	1250
Metals														
As[b]	µg/L	0.2U	0.3U	0.24	0.48	1.1	2.8	2.9	1.3	1.7	1.9	2.3	1.10	2.60
Fe[b]	µg/L	7.4U	9.1U	11.7U	11U	1.0U	14.6	16.4J	0.8U	1U	0.8U	6.3	1.30U	0.800U
Mn[b]	µg/L	73.4	12.6	88.2	19.7	95.2	26.1	13.3	100	62.8	26.1	32.4	43.8	45.1
Mo[b]	µg/L	3	2.6	4.1	6.1	12	6.7	2.9	1.5U	2	7.1	5.1	2.00U	1.70U
Se[b]	µg/L	2.7	1.9	4.1	7.5	8.9	8.9	8.9	3.4	4.3	12.1	11.3	6.40	6.30
U[b]	µg/L	18.4	14.3	23.7	44.8	44.3	38.2	42.2	31.6	30.3	79.5	77.5	41.6	53.2
V[b]	µg/L	4.1	1.8	2.3	12.2	20.6	70.5	89.4	24	32.8	53.2	60	31.3	54.4
Radiological														
Alpha[c,d]	pCi/L	10.7U	15.0J	12.2J	20.7	15.4	18.7J	20.5J	16.9	17.7	43.0	--	14.4J	25.1
Alpha-U[c,e]	pCi/L	10.7U	5.2J	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	--	0[f]	0[f]
Beta[c]	pCi/L	13.0	12.8U	9.9	9.3U	18.4	10.1U	11.6U	5.1U	11.5	11.1	--	9.8U	11.3
U[b]	µg/L	18.4	14.3	23.7	44.8	44.3	38.2	42.2	31.6	30.3	79.5	77.5	41.6	53.2
U-234[c]	pCi/L	--	--	9.0	16.4	17.3	16.3J	14.2	12.2	11.6	23.9	--	16.1	18.9
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	0.84
U-238[c]	pCi/L	--	--	8.9	15.4	21.5	13.0	15.9	11.0	10.5	28.2	--	14.2J	17.5

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW00-02[a]

Analyte	Unit	04/14/04	10/07/04	04/06/05	10/05/05	04/27/06	10/04/06	04/11/07	10/08/07	04/09/08[g]	10/09/08	04/07/09	04/21/10	10/12/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	148	397
Alkalinity[b]	mg/L	260	233	95	218	241	271	235	258	228	300	224	--	--
Conductivity[c]	µmhos/cm	1229	1615	840	2300	1317	1758	1442	1765	905	1749	1865	681	1788
DO[c]	mg/L	--	--	--	--	--	10.61	--	--	--	--	--	--	--
pH[c]	s.u.	8.28	8.01	7.92	7.38	8.21	7.84	8.31	8.24	8.23	7.7	8.14	7.98	8.00
Temperature[c]	C	8.85	15.6	8.08	15.9	18.88	13.86	3.65	13.0	6.63	6.08	15.3	7.61	9.48
Common Ions														
Ca[b]	mg/L	260	270	130	290	250	490	310	410	130	300	330J	94.0	350
Chloride[b]	mg/L	35.0	21.0	20.0	63.0	16.0	20.0	18.0	16.0	26.0	24.0	28.0	13.0	23.0
Fluoride[b]	µg/L	200.U	200.U	130.	200.U	200.U	200.U	200.U	280.	140.	510.	200.U	140.	130.
Hardness[b]	mg/L	855	884	415	951	810	1510	963	1300	415	963	1050J	296	1100
K[b]	mg/L	5.00	5.00	2.70	5.80	3.50	5.30	3.30	5.10	2.20	5.50J	4.50J	1.70J	4.50J
Mg[b]	mg/L	50.0	51.0	22.0	55.0	45.0	70.0	46.0	67.0	22.0	52.0	55.0	15.0	55.0
Na[b]	mg/L	64.0	60.0	29.0	86.0	41.0	57.0	44.0	61.0	32.0	62.0	56.0J	22.0	61.0
NO_3+NO_2 as N[b]	µg/L	27	10.U	610.	2000.	10.U	190.	10.U	10.U	100.	10.U	10.U	190.	10.U
SO_4[b]	mg/L	480	670	240	720	640	860	600	990	270	740	700	150	740
TDS[c]	mg/L	1100	1300	580	1500	1200	1500	1200	1700	660	1400	1300	440	1400
Metals														
As[b]	µg/L	0.76	0.57	0.27	0.79	0.45	0.4	0.012U	0.54	0.34	0.87	0.49	0.44	0.67
Fe[b]	µg/L	9.8U	7U	7.5U	150	14U	6.4	3.7U	5.6U	130	3.1U	4.3J	37	4.9U
Mn[b]	µg/L	63	45	32	670	39	77	47	34	25	120	100	30	150
Mo[b]	µg/L	5	3J	1.6	5.5	2.3J	1.6J	2	2.5	2.7	2	1.8	2	1.5
Se[b]	µg/L	3.3	1.9	2.3	4.5	0.39	0.55	1	0.61	1.5	0.78	1.4	1.6	0.82
U[b]	µg/L	40J	34J	9.2	42	14	22	14	25	10	27	21	4.2	21
V[b]	µg/L	20	7.7J	1J	0.98	4.5	4.8	2.5J	9.4J	1.6	2.9	2.3	0.84	0.87
Radiological														
Alpha[c,d]	pCi/L	23.0	22.4	8.0	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0.64	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	11.9	9.3J	6.4	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	40J	34J	9.2	42	14	22	14	25	10	27	21	4.2	21
U-234[c]	pCi/L	15.3	13.7	4.3	--	--	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	0.88	0.70	0.16	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	13.5	11.1	2.9	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW00-02[a]

Analyte	Unit	04/05/11
Field Measurements		
Alkalinity[c]	mg/L	--
Alkalinity[b]	mg/L	293
Conductivity[c]	µmhos/cm	1664
DO[c]	mg/L	--
pH[c]	s.u.	7.82
Temperature[c]	C	4.64
Common Ions		
Ca[b]	mg/L	279
Chloride[b]	mg/L	--
Fluoride[b]	µg/L	--
Hardness[b]	mg/L	896
K[b]	mg/L	2.61
Mg[b]	mg/L	48.5
Na[b]	mg/L	47.7
NO_3+NO_2 as N[b]	µg/L	10U
SO_4[b]	mg/L	--
TDS[c]	mg/L	1390
Metals		
As[b]	µg/L	1.70U
Fe[b]	µg/L	30.0U
Mn[b]	µg/L	158
Mo[b]	µg/L	1.63
Se[b]	µg/L	1.50U
U[b]	µg/L	20
V[b]	µg/L	3.00U
Radiological		
Alpha[c,d]	pCi/L	--
Alpha-U[c,e]	pCi/L	--
Beta[c]	pCi/L	--
U[b]	µg/L	20
U-234[c]	pCi/L	--
U-235[c]	pCi/L	--
U-238[c]	pCi/L	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW01-02[a]

Analyte	Unit	07/11/01	10/08/01	01/31/02	04/10/02	04/07/03	10/08/03	04/14/04	10/07/04	04/06/05	10/05/05	04/28/06	10/03/06	04/11/07
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	205	192	270	325	253	285	292	354	175	214	233	294	245
Conductivity[c]	µmhos/cm	1500	1989	1727	1886	1617	1701	1266	2150	772	1632	1358	1951	1377
DO[c]	mg/L	--	--	11.68	--	--	--	--	--	--	--	--	6.17	--
pH[c]	s.u.	7.93	7.82	7.66	8.05	--	7.65	7.79	7.77	7.25	7.26	7.62	7.05	7.63
Temperature[c]	C	27.1	19.9	0.4	8.2	14.7	24.61	14.46	14.6	3.62	12.3	9.08	10.99	8.03
Common Ions														
Ca[b]	mg/L	238	343	303	324	240	284	250	430	120	350	280	370	310
Chloride[b]	mg/L	8.75	6.39	14.1	9.96	36.6	12.2	11.0	16.0	14.0	13.0	11.0	11.0	12.0
Fluoride[b]	µg/L	228	201	112	143	56.7	182	100.	200.U	100.	200.U	200.U	200.U	200.U
Hardness[b]	mg/L	802	1150	1010	1090	811	964	805	1380	378	1090	868	1240	951
K[b]	mg/L	2.46	2.79	2.35	2.37	2.07	3.39	3.70	5.10	2.30	4.30	2.90	4.60	2.90
Mg[b]	mg/L	50.5	71.9	60.8	67.8	51.5	62.0	44.0	75.0	19.0	52.0	41.0	76.0	43.0
Na[b]	mg/L	43.6	45.1	43.6	46.7	62.9	55.6	52.0	66.0	25.0	42.0	35.0	50.0	38.0
NO_3+NO_2 as N[b]	µg/L	26.3	7.3U	38	52.8	154	4.50U	340.	1200.	510.	200.	130.	250.	45
SO_4[b]	mg/L	677	1000	827	851	633	781	510	950	210	820	600	1000	590
TDS[c]	mg/L	1250	1720	1570	1640	1280	1480	1200	1800	510	1400	1000	1700	1200
Metals														
As[b]	µg/L	0.5U	0.6U	0.6U	0.32	0.100	0.470	0.17	0.27	0.22	0.007U	0.0075U	0.012U	0.012U
Fe[b]	µg/L	3.8	11.1J	0.8U	1U	1.30U	0.80U	9.8U	7U	7.5U	7.8U	14U	19	3.7U
Mn[b]	µg/L	12	14.6	47.7	26	3.80	6.20	8.3	510	23	16	50	150	52
Mo[b]	µg/L	3.7	1.9U	1.5U	1.8U	2.00U	1.70U	2.6	3.2J	1.3	1.6J	2J	1.3J	1.9
Se[b]	µg/L	0.3U	0.51	0.95	1.2	2.90	2.00	2.3	6.3	2	0.4	0.28	0.49	0.58
U[b]	µg/L	7.8	9	8.7	10	11.9	11.9	9.7J	9J	6.1	8.9	6.5	9.1	6
V[b]	µg/L	1.5	0.71	0.69	0.7	1.10	1.90	0.25U	0.58J	0.3UR	0.1U	0.73J	0.42	0.64J
Radiological														
Alpha[c,d]	pCi/L	10.9UJ	14.9UJ	9.5U	10.1U	9.6UJ	13.6	9.5	7.3	5.4	--	--	--	--
Alpha-U[c,e]	pCi/L	10.9UJ	14.9UJ	9.5U	10.1U	9.6UJ	3.4	1.4	0[f]	0[f]	--	--	--	--
Beta[c]	pCi/L	10.0U	14.4U	9.3U	9.6U	9.8U	10.6U	5.6J	5.5U	4.5	--	--	--	--
U[b]	µg/L	7.8	9	8.7	10	11.9	11.9	9.7J	9J	6.1	8.9	6.5	9.1	6
U-234[c]	pCi/L	5.0J	4.3	5.4	7.6	6.5	6.0	4.6	6.3	3.5	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	0.22	0.26	0.12J	0.10	--	--	--	--
U-238[c]	pCi/L	2.9	3.5	3.2	3.5	3.8J	4.0	3.2	2.9	2.2	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW01-02[a]

Analyte	Unit	10/08/07	04/09/08[g]	10/08/08	04/06/09	10/08/09	04/21/10	10/12/10	04/05/11
Field Measurements									
Alkalinity[c]	mg/L	--	--	--	--	--	125	--	--
Alkalinity[b]	mg/L	304	96	298	244	302	--	339	--
Conductivity[c]	µmhos/cm	1975	794	2013	1406	2018	655	1980	1722
DO[c]	mg/L	--	--	--	--	--	--	--	--
pH[c]	s.u.	10.5	7.71	7.54	7.47	6.74	7.77	7.52	7.44
Temperature[c]	C	13.1	4.12	12.06	12.55	6.03	8.46	17.36	17.74
Common Ions									
Ca[b]	mg/L	380	120	410	380J	440J	82.0	410	313
Chloride[b]	mg/L	9.60	12.0	13.0	19.0	9.00	8.40	13.0	12.7
Fluoride[b]	µg/L	390.	110.	530.	250.	200.U	150.	200.U	184
Hardness[b]	mg/L	1270	374	1290	1190J	1400J	258	1290	1000
K[b]	mg/L	5.00	1.90	5.20J	4.00J	3.90J	1.50J	4.10J	2.67
Mg[b]	mg/L	78.0	18.0	65.0	58.0	72.0	13.0	64.0	53.0
Na[b]	mg/L	57.0	25.0	54.0	47.0J	47.0J	19.0	53.0	42.9
NO_3+NO_2 as N[b]	µg/L	240.	150.	560.	85	25	170.	500.	11.7
SO_4[b]	mg/L	1100	220	1000	780	1000	130	930	788
TDS[c]	mg/L	1900	560	--	1500	1800	380	1600	1480
Metals									
As[b]	µg/L	0.53	0.33	0.43	0.37	1.4	0.42	0.63	1.70U
Fe[b]	µg/L	9.9	230	23	20	37	35	4.9U	30.0U
Mn[b]	µg/L	160	21	48	32	140	14	84	41
Mo[b]	µg/L	2.2	2	1.8	2	1.8	1.7	1.7	1.84
Se[b]	µg/L	1.4	1.4	3	1.3	0.94	1.6	3.1	1.50U
U[b]	µg/L	8.7	4	9.6	7.1	7.6	2.1	7.4	7.43
V[b]	µg/L	0.86J	0.8	0.47	0.42	1.4	0.61	0.54	3.00U
Radiological									
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--
U[b]	µg/L	8.7	4	9.6	7.1	7.6	2.1	7.4	7.43
U-234[c]	pCi/L	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW01-03[a]

Analyte	Unit	07/11/01	10/08/01	01/31/02	04/10/02	10/09/02	12/10/02	04/07/03	07/08/03	10/08/03	04/14/04	10/07/04	04/05/05	10/05/05
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	241	241	304	280	120	269	310	162	272	266	297	179	264
Conductivity[c]	µmhos/cm	1488	1653	1505	1573	1376	1516	1524	771	1401	1167	1693	811	1590
DO[c]	mg/L	--	--	9.71	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.17	7.12	7.45	7.58	8.2	8.05	--	8	7.8	7.96	7.86	7.83	7.25
Temperature[c]	C	18.9	15.2	2.79	8.2	17.2	0.23	11.4	28.8	18.53	12.10	13.6	10.25	12.5
Common Ions														
Ca[b]	mg/L	229	258	256	247	161	--	227	143	202	210	300	120	310
Chloride[b]	mg/L	19.3	21.7	29.8	23.7	34.3	--	42.9	44.1	30.8	30.0	20.0	19.0	17.0
Fluoride[b]	µg/L	209	235	193	92.9	165J	--	17.2U	17.2U	161	200.U	200.U	120.	200.U
Hardness[b]	mg/L	762	856	837	816	598	--	763	544	695	685	963	386	972
K[b]	mg/L	2.63	2.66	2.61	2.32	1.84	--	2.34	1.70	2.94	3.70	4.30	2.50	4.00
Mg[b]	mg/L	46.1	51.5	48.1	48.5	47.7	--	47.6	45.4	46.2	39.0	52.0	21.0	48.0
Na[b]	mg/L	51.9	53.0	50.3	48.8	60.0	--	62.2	68.4	63.1	52.0	56.0	27.0	45.0
NO_3+NO_2 as N[b]	µg/L	46.1	34.5	103	104	10.9	--	477	4.50U	4.50U	370.	170.	550.	23
SO_4[b]	mg/L	594	705	621	558	643	--	542	463	519	440	710	220	700
TDS[c]	mg/L	1220	1330	1330	1220	1100	--	1170	955	1090	1000	--	--	--
Metals														
As[b]	µg/L	0.5U	0.6U	0.6U	0.26	0.11	0.1U	0.120	0.650	0.560	0.21	0.24	0.26	0.007U
Fe[b]	µg/L	6.7	11.3J	0.8U	1U	0.8U	2.5U	1.30U	12.2	0.800U	9.8U	7U	7.5U	7.8U
Mn[b]	µg/L	9.1	5.4	191	90.4	7.4	8.8	9.40	1.20	104	4.1	90	19	17
Mo[b]	µg/L	3U	1.9U	1.5U	1.8U	1.7U	3.6	2.00U	1.70U	1.70U	2.3	2.5J	1.3	2.6J
Se[b]	µg/L	1.9	0.56	1.2	1.3	0.1U	0.18	3.30	0.100U	0.420	2.3	1.9	2	0.34
U[b]	µg/L	23.4	30.7	25.2	23.8	66.1	94.3	32.4	24.5	38.1	17	27J	7.6	17
V[b]	µg/L	4	3	2	1.9	0.83	1.1	1.80	1.10	1.10	0.25U	0.85J	0.3UR	0.1U
Radiological														
Alpha[c,d]	pCi/L	10.0UJ	20.2J	15.1	14.0	37.6	--	16.0J	15.0	23.3	11.6	19.5	6.6	--
Alpha-U[c,e]	pCi/L	10.0UJ	0[f]	0[f]	0[f]	0[f]	--	0[f]	0[f]	0[f]	0[f]	0.24	0.32	--
Beta[c]	pCi/L	10.2	12.0	7.5U	13.6	15.0	--	9.8U	8.4U	13.3	4.3J	10.7	1.8J	--
U[b]	µg/L	23.4	30.7	25.2	23.8	66.1	94.3	32.4	24.5	38.1	17	27J	7.6	17
U-234[c]	pCi/L	8.8J	12.8	9.7	10.0	22.7	--	12.6	8.2	13.4	7.6	10.5	3.8	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	0.56	0.47	0.46	0.083	--
U-238[c]	pCi/L	9.1	11.4	8.8	8.6	24.5	--	11.1J	9.3	11.7	5.5	8.3	2.4	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW01-03[a]

Analyte	Unit	04/28/06	10/03/06	04/11/07	10/08/07	04/09/08[g]	10/08/08	04/07/09	10/06/09	04/20/10	10/12/10	04/05/11
Field Measurements												
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	86	--	--
Alkalinity[b]	mg/L	241	232	258	291	364	288	272	263	--	302	193
Conductivity[c]	µmhos/cm	1408	1492	1350	1842	854	1697	1938	1683	807	1813	1617
DO[c]	mg/L	--	8.62	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.89	7.36	7.89	7.83	7.78	7.56	7.62	7.44	7.79	7.46	7.61
Temperature[c]	C	10.60	13.62	7.78	13.1	3.76	14.68	3.61	5.29	11.92	12.16	14.36
Common Ions												
Ca[b]	mg/L	280	380	320	440	130	310	340J	320J	110	330	278
Chloride[b]	mg/L	15.0	20.0	18.0	15.0	18.0	23.0	27.0	20.0	16.0	22.0	23.7
Fluoride[b]	µg/L	200.U	200.U	200.U	310.	120.	560.	200.U	230.	160.	200.	200
Hardness[b]	mg/L	880	1170	988	1380	411	988	1070J	1020J	349	1040	896
K[b]	mg/L	3.20	5.20	3.30	4.90	2.10	5.20J	5.80J	4.60J	1.80J	4.60J	2.78
Mg[b]	mg/L	44.0	54.0	46.0	69.0	21.0	52.0	54.0	53.0	18.0	53.0	49.1
Na[b]	mg/L	39.0	46.0	42.0	60.0	28.0	58.0	55.0J	55.0J	25.0	59.0	46.7
NO_3+NO_2 as N[b]	µg/L	27	130.	10.U	10.U	180.	15	120.	28	240.	19	10U
SO_4[b]	mg/L	620	700	610	970	250	750	690	700	190	730	694
TDS[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--
Metals												
As[b]	µg/L	0.0075U	0.012U	0.012U	0.36	0.34	0.37	0.4	0.35	0.39	0.41	2.34
Fe[b]	µg/L	14U	2.2U	3.7U	5.6U	240	15	27	59	13	4.9U	30.0U
Mn[b]	µg/L	17	91	33	72	24	58	85	110	27	120	53.1
Mo[b]	µg/L	2J	1.5J	1.9	2.2	2	1.5	1.6	1	1.7	1.4	1.76
Se[b]	µg/L	0.32	0.29	1.3	0.53	1.5	0.96	1.4	0.65	2	1	1.50U
U[b]	µg/L	12	15	12	23	6.8	23	20	26	4.8	20	18.5
V[b]	µg/L	1J	0.64	0.85J	0.93J	0.91	0.44	0.58	0.45	0.61	0.33J	3.00U
Radiological												
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	12	15	12	23	6.8	23	20	26	4.8	20	18.5
U-234[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- SW99-01[a]

Analyte	Unit	01/13/00
Field Measurements		
Alkalinity[b]	mg/L	217
Conductivity[c]	µmhos/cm	982
Temperature[c]	C	0.3
Common Ions		
Ca[b]	mg/L	140
Chloride[b]	mg/L	8.97
Fluoride[b]	µg/L	151
Hardness[b]	mg/L	436
K[b]	mg/L	1.68
Mg[b]	mg/L	21.1
Na[b]	mg/L	29.0
NO_3+NO_2 as N[b]	µg/L	84.7J
SO_4[b]	mg/L	255
TDS[c]	mg/L	695
Metals		
As[b]	µg/L	0.4U
Fe[b]	µg/L	8.9U
Mn[b]	µg/L	11.3
Mo[b]	µg/L	0.4U
Se[b]	µg/L	0.46
U[b]	µg/L	3.2
V[b]	µg/L	1U
Radiological		
Alpha[c,d]	pCi/L	7.5U
Alpha-U[c,e]	pCi/L	7.5U
Beta[c]	pCi/L	10.5U
U[b]	µg/L	3.2

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 1[a]

Analyte	Unit	04/02/01	04/18/01	07/11/01	10/09/01	01/31/02	02/19/02	04/03/02	04/06/05	10/04/06	10/08/08	04/07/09	04/20/10	10/12/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	217	--
Alkalinity[b]	mg/L	--	200	299	300	329	340	--	--	188	360	292	--	453
Conductivity[c]	µmhos/cm	--	2520	2850	2250	1882	2100	2029	2100	--	1835	2430	2427	2643
pH[c]	s.u.	--	6.82	6.98	7.19	7.33	7.61	7.21	7.52	--	7.00	7.37	7.32	8.01
Temperature[c]	C	--	10.8	18.8	13.5	0.72	4.6	7.43	15.8	--	14	12.7	20.71	9.98
Common Ions														
Ca[b]	mg/L	--	307	237	166	147	--	144	270	370	240	330J	240	280
Chloride[b]	mg/L	--	159	119	125	108	--	107	150	73.0	55.0	69.0	70.0	120
Fluoride[b]	µg/L	--	334	1450	1260	696	--	814	290.	480.	840.	490.	250.	560.
Hardness[b]	mg/L	--	1040	812	560	497	--	490	934	1230	805	1090J	813	996
K[b]	mg/L	--	12.1	10.4	8.78	6.92	--	7.37	13.0	11.0	9.00J	9.40J	3.40J	11.0J
Mg[b]	mg/L	--	66.1	53.4	35.3	31.5	--	31.7	63.0	75.0	50.0	64.0	52.0	72.0
Na[b]	mg/L	--	162	410	297	251	--	244	190	190	120	160J	250	230
NO_3 as N[b]	µg/L	9330	--	--	--	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	--	6540	55	7.3U	92	69.9	49.3	310.	10.U	10.U	32	10.U	10.U
SO_4[b]	mg/L	--	442J	1150	762	619	--	571	860	960	630	840	880	960
TDS[c]	mg/L	--	--	2260	--	1460	--	--	--	--	--	--	--	--
Metals														
As[b]	µg/L	19.9	17.6	0.83	3.1	0.6U	0.6U	0.31	0.78	1.2	0.88	0.34	1.1	1.3
Fe[b]	µg/L	2.8	1U	23.7	612J	13.7	177	1U	7.5U	2.2U	32	23	22	4.9U
Mn[b]	µg/L	0.26	0.10U	553	310	323	278	231	95	3600	950	250	470	3.9
Mo[b]	µg/L	20.7	18.9	7	7.3	4.3	6.4	7.5	16	29	11	10	1.8	6
Se[b]	µg/L	135	118	0.3U	0.3U	9.9	8.7	5.9	11	0.8	0.3	1.3	0.35	0.58
U[b]	µg/L	310	282	101	82.2	127	113	112	470	290	240	300	120	360
V[b]	µg/L	518	494	1.4	0.4	0.4U	1.6	0.3U	17	6.2	0.89	0.27	1.7	2.7
Radiological														
Alpha[c,d]	pCi/L	--	--	79.8J	--	68.2	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	3.1J	--	0[f]	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	29.7	--	9.6U	--	--	--	--	--	--	--	--
U[b]	µg/L	310	282	101	82.2	127	113	112	470	290	240	300	120	360
U-234[c]	pCi/L	--	98.0	42.4J	--	43.1	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	104	34.3	--	42.5	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 1[a]

Analyte	Unit	04/05/11
Field Measurements		
Alkalinity[c]	mg/L	--
Alkalinity[b]	mg/L	324
Conductivity[c]	µmhos/cm	2499
pH[c]	s.u.	7.34
Temperature[c]	C	10.65
Common Ions		
Ca[b]	mg/L	259
Chloride[b]	mg/L	93.8
Fluoride[b]	µg/L	751
Hardness[b]	mg/L	877
K[b]	mg/L	9.53
Mg[b]	mg/L	55.9
Na[b]	mg/L	188
NO_3 as N[b]	µg/L	--
NO_3+NO_2 as N[b]	µg/L	10U
SO_4[b]	mg/L	840
TDS[c]	mg/L	--
Metals		
As[b]	µg/L	1.70U
Fe[b]	µg/L	30.0U
Mn[b]	µg/L	156
Mo[b]	µg/L	17.4
Se[b]	µg/L	1.50U
U[b]	µg/L	309
V[b]	µg/L	3.00U
Radiological		
Alpha[c,d]	pCi/L	--
Alpha-U[c,e]	pCi/L	--
Beta[c]	pCi/L	--
U[b]	µg/L	309
U-234[c]	pCi/L	--
U-238[c]	pCi/L	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 2[a]

Analyte	Unit	04/02/01	04/18/01	07/11/01	10/09/01	01/31/02	02/19/02	04/03/02	10/10/02	12/10/02	04/08/03	04/14/04	10/07/04	04/06/05
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	--	292	340	286	305	311	364	310	313	344	327	354	339
Conductivity[c]	µmhos/cm	--	2580	1909	1844	1697	1880	1990	2685	1731	--	1590	1766	2318
DO[c]	mg/L	--	--	--	--	7.15	--	--	--	--	--	--	--	--
pH[c]	s.u.	--	7.02	6.68	6.78	6.97	7.08	7.03	7.74	7.44	--	7.12	7.11	6.83
Temperature[c]	C	--	9.7	19.5	15.3	3.31	4.1	7.49	18.83	6.78	--	9.16	14.6	8.69
Common Ions														
Ca[b]	mg/L	--	324	223	245	251	--	259	328	--	296	260	280	330
Chloride[b]	mg/L	--	170	77.4	61.1	67.1	--	67.6	86.2	--	122	80.0	42.0	170
Fluoride[b]	µg/L	--	324	448	473	221	--	230	25.1UJ	--	91.6	370.	390.	280.
Hardness[b]	mg/L	--	1090	752	810	838	--	872	1140	--	982	851	913	1090
K[b]	mg/L	--	11.2	12.6	11.6	9.27	--	10.3	1.29	--	9.66	14.0	12.0	15.0
Mg[b]	mg/L	--	67.8	47.5	48.2	51.4	--	54.7	77.1	--	59.0	49.0	52.0	64.0
Na[b]	mg/L	--	164	143	112	94.6	--	103	161	--	118	90.0	80.0	150
NO_3 as N[b]	µg/L	8940	--	--	--	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	--	7240	3590	1890	1860	1800	2160	24.8	--	7020	3200.	780.	11000.
SO_4[b]	mg/L	--	448J	622	687	674	--	647	1220	--	736	570	600	860
TDS[c]	mg/L	--	--	1460	--	1460	--	--	--	--	1640	--	1400	1900
Metals														
As[b]	µg/L	16.1	16.3	18.5	17.7	16.2	13.1	16.2	0.24	17.9	12.9	22	26	20
Fe[b]	µg/L	101	14	43.9	14J	0.8U	4.6	1U	0.8U	2.5U	1.30U	9.8U	7U	7.5U
Mn[b]	µg/L	2.7	0.1U	2.6	5	0.1U	1.2	1	19.5	0.62	0.100U	0.077U	4.1	0.13U
Mo[b]	µg/L	17.8	20.3	24.8	25.8	17	18.4	23.9	1.7U	18.9	20.0	22	21	25
Se[b]	µg/L	136	120	144	114	86.4	97.3	86	2	91.7	110	59	52	89
U[b]	µg/L	267	272	185	227	297	313	323	175	258	284	260J	230J	320
V[b]	µg/L	441	456	564	537	369	388	431	5.3	433	443	530	520	430
Radiological														
Alpha[c,d]	pCi/L	--	--	76.8J	--	168	--	--	--	--	126J	--	--	--
Alpha-U[c,e]	pCi/L	--	--	0[f]	--	0[f]	--	--	--	--	0[f]	--	--	--
Beta[c]	pCi/L	--	--	39.7	--	10U	--	--	--	--	66.0	--	--	--
U[b]	µg/L	267	272	185	227	297	313	323	175	258	284	260J	230J	320
U-234[c]	pCi/L	--	92.3	65.0J	--	90.5	--	--	--	--	100	--	--	--
U-238[c]	pCi/L	--	101	65.4	--	103	--	--	--	--	94.2J	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 2[a]

Analyte	Unit	10/06/05	04/27/06	10/04/06	04/11/07	04/09/08[g]	10/08/08	04/07/09	10/08/09	04/20/10	10/12/10	04/05/11
Field Measurements												
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	171	--	--
Alkalinity[b]	mg/L	304	314	311	351	270	315	293	356	--	438	341
Conductivity[c]	µmhos/cm	1430	1852	1961	1894	2315	924	2460	1850	1215	1971	2099
DO[c]	mg/L	--	--	3.38	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.18	7.17	6.95	7.14	7.20	7.07	7.44	7.07	7.21	7.42	7.06
Temperature[c]	C	12.6	11.78	12.94	7.55	6.17	14.04	5.90	12.38	16.40	13.11	6.10
Common Ions												
Ca[b]	mg/L	220	290	420	350	320	260	340J	320J	150	300	298
Chloride[b]	mg/L	51.0	88.0	56.0	71.0	140	48.0	75.0	59.0	53.0	72.0	--
Fluoride[b]	µg/L	320.	330.	480.	380.	210.	750.	390.	490.	190.	400.	--
Hardness[b]	mg/L	714	951	1330	1120	1060	851	1100J	1030J	486	971	987
K[b]	mg/L	13.0	14.0	15.0	13.0	14.0	14.0J	13.0J	12.0J	6.00J	13.0J	8.38
Mg[b]	mg/L	40.0	55.0	68.0	60.0	63.0	49.0	60.0	56.0	27.0	54.0	59.1
Na[b]	mg/L	92.0	100	110	110	140	98.0	120J	95.0J	60.0	110	114
NO_3 as N[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	1000.	3900.	2400.	2000.	11000.	510.	1800.	420.	25	590.	1460.
SO_4[b]	mg/L	480	700	840	730	850	620	740	700	310	700	--
TDS[c]	mg/L	1200	1500	1700	1600	1900	1300	1600	1500	890	1500	1750
Metals												
As[b]	µg/L	22	22	21	20	22	26	19	23	4.2	23	21.7
Fe[b]	µg/L	7.8U	14U	6.6	3.7U	3500	3.1U	1.3UJ	8.4	250	4.9U	30.0U
Mn[b]	µg/L	0.93	1.6	42	5.1	90	10	0.87	19	160	33	2.00U
Mo[b]	µg/L	23	27	30	37	26	26	25	31	4.4	25	24.3
Se[b]	µg/L	40	47	43	42	82	29	40	29	6.6	25	37.7
U[b]	µg/L	200	270	240	290	270	220	260	220	57	210	258
V[b]	µg/L	580	450	480	580J	450	570	440	590	23	520	372
Radiological												
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	200	270	240	290	270	220	260	220	57	210	258
U-234[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 3[a]

Analyte	Unit	04/18/01	07/12/01	10/09/01	01/31/02	02/19/02	04/03/02	10/09/02	12/10/02	04/08/03	07/08/03	10/08/03	04/14/04	10/07/04
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	390	435	390	427	429	--	438	411	560	470	431	311	435
Conductivity[c]	µmhos/cm	3650	3640	5060	3554	4000	3883	3923	3741	4000	3441	3711	3042	3600
DO[c]	mg/L	--	--	--	7.42	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.12	6.99	7	6.84	6.8	7.31	6.87	7.2	--	7.44	7.19	7.03	6.99
Temperature[c]	C	10	22.3	13.7	2.1	2.5	11.18	13.7	2.85	5.1	20.3	18.38	10.36	13.5
Common Ions														
Ca[b]	mg/L	429	485	522	472	--	493	497	--	502	495	480	490	460
Chloride[b]	mg/L	256	303	509	286	--	283	310	--	318	310	314	250	280
Fluoride[b]	µg/L	473	587	919	425	--	342	50.2UJ	--	34.4U	294	266	510.	380.
Hardness[b]	mg/L	1550	1730	2190	1680	--	1770	1790	--	1790	1750	1730	1680	1640
K[b]	mg/L	7.74	8.80	12.3	8.02	--	8.48	8.60	--	7.87	8.73	8.95	15.0	13.0
Mg[b]	mg/L	116	125	215	121	--	130	133	--	130	125	128	110	120
Na[b]	mg/L	265	281	462	268	--	256	276	--	291	285	294	230	240
NO_3+NO_2 as N[b]	µg/L	34300	38000	59300	42900	44700	47100	52000	--	54600	45100	48100	45000.	39000.
SO_4[b]	mg/L	594J	1350	1870	1350	--	1350	1410	--	1390	1320	1360	1100	1200
TDS[c]	mg/L	--	3230	--	3230	--	--	3230	--	3240	--	--	--	--
Metals														
As[b]	µg/L	0.5U	0.5U	0.6U	0.6U	0.6U	0.11	0.1U	0.1U	0.100U	0.100U	0.100U	0.016U	0.13
Fe[b]	µg/L	1.0U	2.3	14.3J	0.8U	13.5	1U	0.8U	2.7	1.30U	1U	0.800U	9.8U	7U
Mn[b]	µg/L	0.1U	9.7	21.2	3.7	8.3	4.7	10.6	6.3	2.90	13.9	17.0	2.9	8.8
Mo[b]	µg/L	0.4U	3U	1.9U	1.5U	1.5U	1.8U	1.7U	3U	2.00U	1.70U	1.70U	1.6	1.7J
Se[b]	µg/L	93.4	106	221	116	129	128	112	115	136	106	93.5	92	76
U[b]	µg/L	40.6	39.3	49.3	38.6	41	38	40.1	40.3	42.0	40.5	43.5	41	38J
V[b]	µg/L	0.4U	0.3U	0.72	0.4U	0.51	0.37	0.61	1	0.530	0.530	0.330	0.61	0.7J
Radiological														
Alpha[c,d]	pCi/L	--	23.2J	--	34.2	--	--	30.6	--	25.0J	--	--	--	--
Alpha-U[c,e]	pCi/L	--	0[f]	--	0[f]	--	--	0[f]	--	0[f]	--	--	--	--
Beta[c]	pCi/L	--	13.2U	--	15.1U	--	--	18.9	--	26.8J	--	--	--	--
U[b]	µg/L	40.6	39.3	49.3	38.6	41	38	40.1	40.3	42.0	40.5	43.5	41	38J
U-234[c]	pCi/L	24.3	22.8J	--	22.1	--	--	19.7	--	25.3	--	--	--	--
U-238[c]	pCi/L	19.6	14.9	--	13.5	--	--	15.1	--	14.6J	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 3[a]

Analyte	Unit	04/05/05	10/05/05	04/27/06	10/04/06	04/11/07	10/09/07	04/09/08[g]	10/08/08	04/07/09	10/05/09	04/21/10	10/12/10	04/06/11
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	342	--	--
Alkalinity[b]	mg/L	376	378	383	308	425	378	334	380	368	372	--	461	371
Conductivity[c]	µmhos/cm	3061	3610	3381	3685	3870	3743	3675	3530	3720	3628	3492	3754	3445
DO[c]	mg/L	--	--	--	8.43	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.12	7.15	7.27	7.24	7.14	7.13	7.53	7.72	7.49	6.95	7.54	7.62	7.31
Temperature[c]	C	12.01	15.2	14.82	21.16	5.37	16.01	4.07	6.80	11.8	13.67	11.47	15.01	8.08
Common Ions														
Ca[b]	mg/L	450	470	490	480	530	500	390	370	410J	470J	440	480	389
Chloride[b]	mg/L	320	290	270	290	260	250	350	230	240	240	280	280	295
Fluoride[b]	µg/L	530.	500.U	500.U	500.U	500.U	730.	520.	1400.	600.	590.	600.	590.	443
Hardness[b]	mg/L	1580	1670	1760	1730	1860	1830	1510	1420	1520J	1710J	1550	1730	1430
K[b]	mg/L	11.0	13.0	15.0	13.0	12.0	13.0	13.0	9.20J	14.0J	7.40J	12.0J	14.0J	7.78
Mg[b]	mg/L	110	120	130	130	130	140	130	120	120	130	110	130	112
Na[b]	mg/L	200	240	250	310	280	310	260	270	260J	250J	240	260	263
NO_3+NO_2 as N[b]	µg/L	20000.	43000.	64000.	46000.	72000.	81000.	34000.	35000.	32000.	33000.	22000.	37000.	33100.
SO_4[b]	mg/L	1000	1200	1300	1400	1500	1500	1300	1300	1200	1400	1100	1400	1240
TDS[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals														
As[b]	µg/L	0.11	0.007U	0.0075U	0.012U	0.012U	0.037	0.27	0.12	0.087U	0.15	0.26	0.23	1.70U
Fe[b]	µg/L	15U	7.8U	14U	4.3U	7.4U	11U	170	16U	1.3UJ	8.1U	6.7	4.9U	30.0U
Mn[b]	µg/L	2	5.1	2.6	11	0.17U	0.33U	16	1U	7.3	9.6	6.1	18	2.00U
Mo[b]	µg/L	1.7J	2.2J	1.7J	2.2J	1.2	2	2.6	1.8	1.6	1.9	1.8	1.7	1.72
Se[b]	µg/L	58	57	75	59	86	79	66	47	59	55	63	75	73.1
U[b]	µg/L	52	44	41	36	40	41	49	40	36	35	45	38	38.9
V[b]	µg/L	0.3UR	0.1U	1.5	1.1	0.68J	0.67J	0.9	0.31	0.099U	0.35	0.41	0.39J	3.00U
Radiological														
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	52	44	41	36	40	41	49	40	36	35	45	38	38.9
U-234[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 4[a]

Analyte	Unit	07/12/01	10/08/01
Field Measurements			
Alkalinity[b]	mg/L	312	315
Conductivity[c]	µmhos/cm	2220	2650
pH[c]	s.u.	6.84	6.77
Temperature[c]	C	10.5	11
Common Ions			
Ca[b]	mg/L	386	418
Chloride[b]	mg/L	21.3	13.8
Fluoride[b]	µg/L	155	72.5
Hardness[b]	mg/L	1310	1400
K[b]	mg/L	2.94	2.81
Mg[b]	mg/L	84.2	86.2
Na[b]	mg/L	83.3	78.2
NO_3+NO_2 as N[b]	µg/L	1040	592
SO_4[b]	mg/L	1100	1270
TDS[c]	mg/L	2040	--
Metals			
As[b]	µg/L	0.5U	0.6U
Fe[b]	µg/L	5.4	0.8UJ
Mn[b]	µg/L	1.5	0.89
Mo[b]	µg/L	3U	1.9U
Se[b]	µg/L	7.3	4.3
U[b]	µg/L	7.2	7.1
V[b]	µg/L	0.3U	0.3U
Radiological			
Alpha[c,d]	pCi/L	10.0UJ	--
Alpha-U[c,e]	pCi/L	10.0UJ	--
Beta[c]	pCi/L	9.4U	--
U[b]	µg/L	7.2	7.1
U-234[c]	pCi/L	6.5J	--
U-238[c]	pCi/L	2.9	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 4307[a]

Analyte	Unit	04/14/00	10/20/00
Field Measurements			
Alkalinity[b]	mg/L	345	106
Conductivity[c]	µmhos/cm	8490	1671
pH[c]	s.u.	7.39	8.97
Temperature[c]	C	7.3	18.2
Common Ions			
Ca[b]	mg/L	--	126
Chloride[b]	mg/L	--	52.6
Fluoride[b]	µg/L	--	375
Hardness[b]	mg/L	--	430
K[b]	mg/L	--	8.26
Mg[b]	mg/L	--	27.9
Na[b]	mg/L	--	179
NO_3+NO_2 as N[b]	µg/L	80000	488
SO_4[b]	mg/L	--	668
Metals			
As[b]	µg/L	0.2U	0.36
Fe[b]	µg/L	7.4U	11.7U
Mn[b]	µg/L	4	2.0U
Mo[b]	µg/L	514	110
Se[b]	µg/L	161	3.5
U[b]	µg/L	1480	197
V[b]	µg/L	0.4U	1.3U
Radiological			
Alpha[c,d]	pCi/L	--	110J
Alpha-U[c,e]	pCi/L	--	0[f]
Beta[c]	pCi/L	--	68.0
U[b]	µg/L	1480	197
U-234[c]	pCi/L	487	67.9
U-235[c]	pCi/L	20.7	--
U-238[c]	pCi/L	492	71.1

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 5215[a]

Analyte	Unit	04/14/00	07/17/00	09/14/00	10/20/00
Field Measurements					
Alkalinity[b]	mg/L	405	--	--	520
Conductivity[c]	µmhos/cm	5550	--	--	6860
pH[c]	s.u.	6.95	--	--	8.15
Temperature[c]	C	6.7	--	--	20.9
Common Ions					
Ca[b]	mg/L	--	367	--	487
Chloride[b]	mg/L	--	--	--	147
Fluoride[b]	µg/L	--	--	--	274
Hardness[b]	mg/L	--	1960	--	2060
K[b]	mg/L	--	2.63	--	5.40
Mg[b]	mg/L	--	254	--	206
Na[b]	mg/L	--	1490	--	1170
NO_3+NO_2 as N[b]	µg/L	81900	--	--	54100
SO_4[b]	mg/L	--	--	--	3610
Metals					
As[b]	µg/L	0.7	0.5	--	0.86
Fe[b]	µg/L	7.4U	9.2	--	11.7U
Mn[b]	µg/L	8.1	41.5	--	448
Mo[b]	µg/L	1320	1820	--	1430
Se[b]	µg/L	16.7	17.5	--	24.4
U[b]	µg/L	824	1160	--	1050
V[b]	µg/L	0.4U	6.1	--	1.5
Radiological					
Alpha[c,d]	pCi/L	--	--	--	609J
Alpha[b,d]	pCi/L	--	--	15.9	--
Alpha-U[c,e]	pCi/L	--	--	--	0[f]
Alpha-U[b,e]	pCi/L	--	--	0[f]	--
Beta[c]	pCi/L	--	--	--	337
Beta[b]	pCi/L	--	--	7.6U	--
U[b]	µg/L	824	1160	--	1050
U-234[c]	pCi/L	325	374	--	358
U-234[b]	pCi/L	--	--	10.8	--
U-235[c]	pCi/L	12.4	18.0	--	--
U-235[b]	pCi/L	--	--	0.45U	--
U-238[c]	pCi/L	327	373	--	375
U-238[b]	pCi/L	--	--	9.6	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

On-Site -- Seep 6[a]

Analyte	Unit	04/10/02	10/08/03	04/14/04	10/08/04	04/05/05	10/05/05	04/28/06	10/04/06	04/11/07	10/08/07	04/09/08[g]	10/08/08	04/06/09
Field Measurements														
Alkalinity[b]	mg/L	--	177	--	375	232	224	261	250	290	170	264	316	252
Conductivity[c]	µmhos/cm	2550	3370	--	4550	3565	3742	3310	3733	3119	3613	3615	3790	3080
DO[c]	mg/L	--	--	--	--	--	--	--	742	--	--	--	--	--
pH[c]	s.u.	7.62	8.14	--	7.60	7.93	8.03	8.11	7.77	8.13	7.94	7.90	8.01	7.93
Temperature[c]	C	9.3	22.85	--	8.54	11.55	16.8	13.02	15.60	5.20	10.95	3.78	8.70	7.21
Common Ions														
Ca[b]	mg/L	326	303	330	490	500	440	370	450	370	430	460	460	430J
Chloride[b]	mg/L	--	258	250	320	250	280	300	360	290	300	210	280	240
Fluoride[b]	µg/L	--	233	500.U	500.U	500.U	500.U	500.U	500.U	500.U	610.	500.U	1300.	690.
Hardness[b]	mg/L	1280	1280	1360	2010	1910	1720	1460	1740	1420	1690	1770	1810	1610J
K[b]	mg/L	8.45	9.87	19.0	13.0	15.0	16.0	15.0	16.0	11.0	13.0	13.0	15.0J	15.0J
Mg[b]	mg/L	114	126	130	190	160	150	130	150	120	150	150	160	130
Na[b]	mg/L	274	361	290	410	250	280	260	350	250	330	230	290	240J
NO_3+NO_2 as N[b]	µg/L	--	7470	8100.	2700.	41000.	27000.	11000.	14000.	7900.	11000.	26000.	15000.	10000.
SO_4[b]	mg/L	--	1520	1500	1900	1700	1600	1300	1600	1300	1800	1700	1700	1200
Metals														
As[b]	µg/L	0.88	1.40	0.73	0.59	0.9	0.68	0.86	0.88	1.1	0.68	1.1	0.88	0.91
Fe[b]	µg/L	1U	0.800U	9.8U	7U	15U	7.8U	14U	5.8	7.4U	11U	560	6.2U	1.3UJ
Mn[b]	µg/L	0.1U	445	20	1300	56	64	29	140	36	150	56	45	5.8
Mo[b]	µg/L	17.5	6.80	20	15	19J	24	13J	13	14	10	17	12	12
Se[b]	µg/L	15.5	8.60	12	3.2	150	28	16	43	19	26	74	62	25
U[b]	µg/L	2090	1950	1700J	2900J	2200	2000	2000	1800	1900	1900	2400	2300	2000
V[b]	µg/L	227	145	190	45	220	270	230	190	230J	170J	150	170	240
Radiological														
U[b]	µg/L	2090	1950	1700J	2900J	2200	2000	2000	1800	1900	1900	2400	2300	2000

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep 6[a]

Analyte	Unit	10/05/09	10/12/10	04/06/11
Field Measurements				
Alkalinity[b]	mg/L	315	344	306
Conductivity[c]	µmhos/cm	4050	3666	3104
DO[c]	mg/L	--	--	--
pH[c]	s.u.	7.63	7.94	7.79
Temperature[c]	C	10.20	17.54	7.15
Common Ions				
Ca[b]	mg/L	510J	480	375
Chloride[b]	mg/L	280	210	274
Fluoride[b]	µg/L	570.	660.	1110.
Hardness[b]	mg/L	1970J	1820	1370
K[b]	mg/L	8.70J	16.0J	7.66
Mg[b]	mg/L	170	150	105
Na[b]	mg/L	290J	240	220
NO_3+NO_2 as N[b]	µg/L	14000.	8400.	16300.
SO_4[b]	mg/L	1900	1700	1150J
Metals				
As[b]	µg/L	0.82	0.82	2.85
Fe[b]	µg/L	8.1U	4.9U	30.0U
Mn[b]	µg/L	200	110	27.6
Mo[b]	µg/L	9.4	9.5	9.69
Se[b]	µg/L	40	26	17.7
U[b]	µg/L	2000	1600	1660
V[b]	µg/L	140	150	226
Radiological				
U[b]	µg/L	2000	1600	1660

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Seep Pond[a]

Analyte	Unit	07/11/01
Field Measurements		
Alkalinity[b]	mg/L	176
Conductivity[c]	µmhos/cm	1227
pH[c]	s.u.	8.4
Temperature[c]	C	20.1
Common Ions		
Ca[b]	mg/L	71.2
Chloride[b]	mg/L	204
Fluoride[b]	µg/L	451
Hardness[b]	mg/L	343
K[b]	mg/L	1.53
Mg[b]	mg/L	40.0
Na[b]	mg/L	113
NO_3+NO_2 as N[b]	µg/L	30
SO_4[b]	mg/L	139
TDS[c]	mg/L	787
Metals		
As[b]	µg/L	1.2
Fe[b]	µg/L	13.1
Mn[b]	µg/L	17.1
Mo[b]	µg/L	5.5
Se[b]	µg/L	3.5
U[b]	µg/L	59.8
V[b]	µg/L	5.3
Radiological		
Alpha[c,d]	pCi/L	20.7J
Alpha-U[c,e]	pCi/L	0[f]
Beta[c]	pCi/L	10U
U[b]	µg/L	59.8
U-234[c]	pCi/L	24.4J
U-238[c]	pCi/L	19.7

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W2-Culvert[a]

Analyte	Unit	02/20/02
Field Measurements		
Alkalinity[b]	mg/L	232
Conductivity[c]	µmhos/cm	3290
pH[c]	s.u.	7.49
Temperature[c]	C	0.4
Common Ions		
NO_3+NO_2 as N[b]	µg/L	18000
Metals		
As[b]	µg/L	0.6U
Fe[b]	µg/L	6.4
Mn[b]	µg/L	31.8
Mo[b]	µg/L	18.7
Se[b]	µg/L	21.6
U[b]	µg/L	1940
V[b]	µg/L	73.3
Radiological		
U[b]	µg/L	1940

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W2-Ditch[a]

Analyte	Unit	02/20/02
Field Measurements		
Alkalinity[b]	mg/L	233
Conductivity[c]	µmhos/cm	3560
pH[c]	s.u.	7.39
Temperature[c]	C	1.9
Common Ions		
NO_3+NO_2 as N[b]	µg/L	17900
Metals		
As[b]	µg/L	0.6U
Fe[b]	µg/L	11.3
Mn[b]	µg/L	40.8
Mo[b]	µg/L	19.5
Se[b]	µg/L	23.1
U[b]	µg/L	2330
V[b]	µg/L	73.6
Radiological		
U[b]	µg/L	2330

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W3-01[a]

Analyte	Unit	10/10/02	12/10/02	04/08/03
Field Measurements				
Alkalinity[b]	mg/L	220	176	160
Conductivity[c]	µmhos/cm	2124	1573	2300
pH[c]	s.u.	7.9	7.36	--
Temperature[c]	C	14.2	2.9	6.8
Common Ions				
Ca[b]	mg/L	261	--	253
Chloride[b]	mg/L	75.4	--	162
Fluoride[b]	µg/L	170J	--	17.2U
Hardness[b]	mg/L	948	--	946
K[b]	mg/L	3.42	--	5.37
Mg[b]	mg/L	71.9	--	76.4
Na[b]	mg/L	152	--	168
NO_3+NO_2 as N[b]	µg/L	22	--	4.50U
SO_4[b]	mg/L	965	--	910
TDS[c]	mg/L	1800	--	1760
Metals				
As[b]	µg/L	1.1	0.25	0.720
Fe[b]	µg/L	0.8U	33.4	14.8
Mn[b]	µg/L	26	41.1	181
Mo[b]	µg/L	10	10	8.60
Se[b]	µg/L	10	5.7	18.3
U[b]	µg/L	128	132	145
V[b]	µg/L	26.5	2.7	8.00
Radiological				
Alpha[c,d]	pCi/L	89.6	--	106J
Alpha-U[c,e]	pCi/L	3.6	--	4.7J
Beta[c]	pCi/L	11.6U	--	44.9J
U[b]	µg/L	128	132	145
U-234[c]	pCi/L	39.4	--	52.0
U-238[c]	pCi/L	46.6	--	49.3J

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W3-02[a]

Analyte	Unit	10/10/02	12/10/02	04/08/03
Field Measurements				
Alkalinity[b]	mg/L	288	286	190
Conductivity[c]	µmhos/cm	1822	1725	2170
pH[c]	s.u.	7.75	7.78	--
Temperature[c]	C	11.2	7.21	6
Common Ions				
Ca[b]	mg/L	235	--	246
Chloride[b]	mg/L	68.2	--	144
Fluoride[b]	µg/L	226J	--	586
Hardness[b]	mg/L	828	--	906
K[b]	mg/L	8.40	--	5.50
Mg[b]	mg/L	58.5	--	70.9
Na[b]	mg/L	103	--	154
NO_3+NO_2 as N[b]	µg/L	221	--	89.0
SO_4[b]	mg/L	704	--	837
TDS[c]	mg/L	1440	--	1640
Metals				
As[b]	µg/L	10	15.6	1.50
Fe[b]	µg/L	0.8U	3.5	37.1
Mn[b]	µg/L	76.4	24.1	906
Mo[b]	µg/L	20.3	22.2	7.80
Se[b]	µg/L	69.3	85.4	19.7
U[b]	µg/L	251	242	152
V[b]	µg/L	299	388	20.8
Radiological				
Alpha[c,d]	pCi/L	137	--	91.0J
Alpha-U[c,e]	pCi/L	0[f]	--	0[f]
Beta[c]	pCi/L	48.0	--	41.1J
U[b]	µg/L	251	242	152
U-234[c]	pCi/L	76.0	--	52.6
U-238[c]	pCi/L	92.0	--	50.2J

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W3-03[a]

Analyte	Unit	10/10/02	12/10/02	04/08/03	10/08/03	04/14/04	10/07/04	04/06/05	10/06/05	04/27/06	10/04/06	04/11/07	10/09/07	04/09/08[g]
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	163	163	155	304	275	216	307	292	279	264	393	166	220
Conductivity[c]	µmhos/cm	2181	1736	2060	1640	16.53	1332	1423	1252	1685	1612	2199	1174	1277
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	3.78	--	--	--
pH[c]	s.u.	8.17	7.95	--	7.71	7.43	7.70	6.82	7.81	7.94	6.74	7.17	7.47	7.72
Temperature[c]	C	14.2	3.89	6.4	13.08	11.10	12.4	11.02	8.0	20.68	12.48	3.33	13.6	8.88
Common Ions														
Ca[b]	mg/L	240	--	224	200	300	190	190	150	220	300	380	180J	160
Chloride[b]	mg/L	91.1	--	137	79.9	86.0	32.0	76.0	54.0	83.0	79.0	120	50.0	41.0
Fluoride[b]	µg/L	198J	--	17.2U	186	220.	160.	200.U	200.U	250.	200.U	500.U	160.	120.
Hardness[b]	mg/L	933	--	840	705	1050	631	660	519	788	947	1290	569J	531
K[b]	mg/L	5.85	--	4.84	6.52	10.0	9.80	6.90	7.30	13.0	12.0	14.0	16.0	4.60
Mg[b]	mg/L	81.1	--	68.1	49.9	73.0	38.0	45.0	35.0	58.0	48.0	84.0	29.0	32.0
Na[b]	mg/L	163	--	148	120	110	60.0	90.0	82.0	120	110	160	63.0	59.0
NO_3+NO_2 as N[b]	µg/L	23	--	4.50U	4.50U	10.U	10.U	10.U	10.U	10.U	31	16	10.U	18
SO_4[b]	mg/L	1030	--	832	548	680	470	450	300	710	620	1000	420	410
TDS[c]	mg/L	1830	--	1550	1310	1400	--	--	--	--	--	--	--	--
Metals														
As[b]	µg/L	2.5	6.6	0.620	1.10	0.99	1.7	2.8	1.8	1.7	1.4	5.2	2.4	0.68
Fe[b]	µg/L	0.8U	9.1	1.30U	75.4	9.8U	7U	150	260	31	400	210	72	260
Mn[b]	µg/L	148	106	345	690	77	90	810	1300	290	660	1500	770J	230
Mo[b]	µg/L	15.6	23.3	6.50	1.70U	5.5	2.4J	1.3	0.068U	6.4	2.7J	5.6	4.5	3.1
Se[b]	µg/L	37.1	72.6	15.5	1.20	1.6	0.72	0.62	0.023U	0.59	0.87	1.9	0.47	2.3
U[b]	µg/L	200	272	121	84.8	120J	31J	63	7.8	100	69	130	33	56
V[b]	µg/L	55.8	203	6.30	0.920	4.5	2.3J	0.3UR	0.1U	3.3	1.6	17J	4.2J	4.7
Radiological														
Alpha[c,d]	pCi/L	129	--	81.0J	41.8	74.2	22.1	30.2	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	0[f]	--	0[f]	0[f]	0[f]	0[f]	0[f]	--	--	--	--	--	--
Beta[c]	pCi/L	41.3	--	28.4J	19.0	33.6	14.0	16.1	--	--	--	--	--	--
U[b]	µg/L	200	272	121	84.8	120J	31J	63	7.8	100	69	130	33	56
U-234[c]	pCi/L	67.5	--	43.3	29.2	38.8	11.6	19.9	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	1.3	2.1	0.43	0.88	--	--	--	--	--	--
U-238[c]	pCi/L	72.7	--	41.2J	27.9	37.7	11.2	19.0	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W3-03[a]

Analyte	Unit	10/08/08	04/07/09	10/06/09	04/20/10	10/12/10	04/05/11
Field Measurements							
Alkalinity[c]	mg/L	--	--	--	158	--	--
Alkalinity[b]	mg/L	298	364	380	--	270	349
Conductivity[c]	µmhos/cm	3014	3080	1896	980	2688	2010
DO[c]	mg/L	--	--	--	--	--	--
pH[c]	s.u.	7.51	7.12	7.32	7.07	7.65	7.31
Temperature[c]	C	12.86	13.3	8.74	15.84	6.85	6.67
Common Ions							
Ca[b]	mg/L	440	480J	310J	120	410	288
Chloride[b]	mg/L	110	100	77.0	32.0	150	85.7
Fluoride[b]	µg/L	1000.	300.	380.	120.	230.	258
Hardness[b]	mg/L	1500	1580J	1000J	390	1330	972
K[b]	mg/L	18.0J	5.50J	16.0J	4.60J	14.0J	6.08
Mg[b]	mg/L	97.0	93.0	55.0	22.0	74.0	61.5
Na[b]	mg/L	200	180J	100J	43.0	170	127
NO_3+NO_2 as N[b]	µg/L	31	11	10.U	10.U	10.U	10U
SO_4[b]	mg/L	1600	1200	610	220	1200	737
TDS[c]	mg/L	--	--	--	--	--	--
Metals							
As[b]	µg/L	1.5	0.54	3.3	3.2	2	1.70U
Fe[b]	µg/L	140	500	160	400	130	582
Mn[b]	µg/L	1600	1700	1900	520	720	1340
Mo[b]	µg/L	40	3.8	17	1.3	11	5.34
Se[b]	µg/L	2.8	0.15U	5.5	2.9	1.6	1.50U
U[b]	µg/L	640	100	180	30	160	127
V[b]	µg/L	3.2	0.61	25	11	3.7	3.00U
Radiological							
Alpha[c,d]	pCi/L	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--
U[b]	µg/L	640	100	180	30	160	127
U-234[c]	pCi/L	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W3-04[a]

Analyte	Unit	10/10/02	12/10/02	04/08/03	10/08/03	04/14/04	10/07/04	04/06/05	10/06/05	04/27/06	10/04/06	04/11/07	10/09/07	04/09/08[g]
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	182	191	142	229	210	220	218	174	369	256	317	154	197
Conductivity[c]	µmhos/cm	2019	1817	2040	1454	1253	1417	1219	1038	1984	1373	2290	1020	902
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	9.45	--	--	--
pH[c]	s.u.	8	8.19	--	8.02	7.91	7.75	7.75	7.63	7.75	7.19	7.23	7.70	8.30
Temperature[c]	C	14	4.07	6.1	13.06	15.00	11.4	13.07	7.8	20.06	14.25	3.56	14.0	6.26
Common Ions														
Ca[b]	mg/L	231	--	219	199	190	180	170	110	250	260	470	160J	130
Chloride[b]	mg/L	82.2	--	139	39.3	61.0	43.0	66.0	45.0	100	66.0	94.0	48.0	21.0
Fluoride[b]	µg/L	25.1UJ	--	17.2U	182	200.U	200.U	150.	150.	200.U	200.U	200.U	140.	140.
Hardness[b]	mg/L	878	--	823	700	697	618	593	386	921	802	1490	494J	415
K[b]	mg/L	6.15	--	4.86	4.36	7.40	10.0	6.10	4.10	15.0	12.0	18.0	16.0	2.30
Mg[b]	mg/L	73.1	--	67.0	49.4	54.0	41.0	41.0	27.0	72.0	37.0	77.0	23.0	22.0
Na[b]	mg/L	145	--	147	78.7	100	71.0	81.0	70.0	150	52.0	130	43.0	31.0
NO_3+NO_2 as N[b]	µg/L	19.5	--	4.50U	4.50U	10.U	10.U	21	10.U	10.U	10.U	10.U	10.U	99
SO_4[b]	mg/L	928	--	791	576	590	520	450	280	830	420	980	360	270
TDS[c]	mg/L	1690	--	1540	1180	1200	--	--	--	--	--	--	--	--
Metals														
As[b]	µg/L	3.7	3.5	0.980	1.30	0.66	1.9	0.68	2.3	1.8	0.77	2.4	2.1	0.35
Fe[b]	µg/L	0.8U	7.2	26.0	46.8	9.8U	7U	7.5U	63	49	2.2U	5700	33	120
Mn[b]	µg/L	84.1	31	484	135	270	350	86	1400	640	2100	2300	1800J	25
Mo[b]	µg/L	14.9	10.7	6.00	1.80	4.3	2.1J	3.3	7.7	4.7J	2.4J	2.7	5.1	2.3
Se[b]	µg/L	31.4	35.7	17.4	3.60	1.4	0.5	2.8	0.2	0.02U	0.025U	0.038U	0.22	1.6
U[b]	µg/L	196	191	128	51.6	66J	28J	76	9.2	20	20	40	10	9.8
V[b]	µg/L	97.1	118	8.80	4.50	0.25U	1.2J	1.3J	0.1U	1.3J	0.67	0.24UJ	1.7J	1.6
Radiological														
Alpha[c,d]	pCi/L	134	--	81.0J	25.4	38.2	21.9	26.4	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	4.1	--	0[f]	0[f]	0.69	0.98	0[f]	--	--	--	--	--	--
Beta[c]	pCi/L	11.7U	--	28.0J	16.4	17.9	19.6	13.6	--	--	--	--	--	--
U[b]	µg/L	196	191	128	51.6	66J	28J	76	9.2	20	20	40	10	9.8
U-234[c]	pCi/L	56.7	--	44.3	17.8	18.9	10.5	14.4	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	1.0	0.81	0.52	0.68	--	--	--	--	--	--
U-238[c]	pCi/L	73.2	--	43.5J	16.4	17.8	9.9	12.9	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- W3-04[a]

Analyte	Unit	10/09/08	04/07/09	10/07/09	04/20/10	10/12/10	04/05/11
Field Measurements							
Alkalinity[c]	mg/L	--	--	--	141	353	--
Alkalinity[b]	mg/L	300	230	384	--	--	412
Conductivity[c]	µmhos/cm	1720	1490	1959	754	1799	1997
DO[c]	mg/L	--	--	--	--	--	--
pH[c]	s.u.	7.92	7.09	7.29	7.19	7.87	7.30
Temperature[c]	C	6.41	5.6	9.68	19.50	9.64	9.74
Common Ions							
Ca[b]	mg/L	290	220J	310J	100	340	348
Chloride[b]	mg/L	24.0	40.0	82.0	16.0	25.0	39.8
Fluoride[b]	µg/L	360.	290.	380.	110.	200.	208
Hardness[b]	mg/L	942	735J	1010J	316	1070	1170
K[b]	mg/L	5.50J	13.0J	17.0J	3.60J	3.80J	5.88
Mg[b]	mg/L	53.0	45.0	57.0	16.0	54.0	73.6
Na[b]	mg/L	62.0	110J	100J	29.0	61.0	100
NO_3+NO_2 as N[b]	µg/L	10.U	10.U	27	10.U	10.U	10U
SO_4[b]	mg/L	780	530	670	180	770	832
TDS[c]	mg/L	--	--	--	--	--	--
Metals							
As[b]	µg/L	0.91	0.94	3.2	1.5	1	1.70U
Fe[b]	µg/L	3.1U	620	41	420	650	319
Mn[b]	µg/L	220	2300	1900	350	960	1670
Mo[b]	µg/L	2.1	3	18	1.3	1.1	2.31
Se[b]	µg/L	0.87	0.1U	6.5	0.52	0.6	1.50U
U[b]	µg/L	27	34	190	6.4	16	33.1
V[b]	µg/L	3.2	0.75	28	1	0.72	3.00U
Radiological							
Alpha[c,d]	pCi/L	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--
U[b]	µg/L	27	34	190	6.4	16	33.1
U-234[c]	pCi/L	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

On-Site -- Wetland 3[a]

Analyte	Unit	02/19/02
Field Measurements		
Alkalinity[b]	mg/L	112
Conductivity[c]	µmhos/cm	1280
pH[c]	s.u.	7.46
Temperature[c]	C	2.7
Common Ions		
NO_3+NO_2 as N[b]	µg/L	167
Metals		
As[b]	µg/L	1.1
Fe[b]	µg/L	13.5
Mn[b]	µg/L	308
Mo[b]	µg/L	3.8
Se[b]	µg/L	17.9
U[b]	µg/L	76.8
V[b]	µg/L	27.6
Radiological		
U[b]	µg/L	76.8

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Cross Gradient -- Pehrson Seep[a]

Analyte	Unit	02/20/02
Field Measurements		
Conductivity[c]	µmhos/cm	9320
pH[c]	s.u.	8.36
Temperature[c]	C	1.8
Common Ions		
NO_3+NO_2 as N[b]	µg/L	1150
Metals		
As[b]	µg/L	1
Fe[b]	µg/L	12.1
Mn[b]	µg/L	75.5
Mo[b]	µg/L	1.5U
Se[b]	µg/L	3.9
U[b]	µg/L	16.3
V[b]	µg/L	2
Radiological		
U[b]	µg/L	16.3

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Cross Gradient -- Seep 5[a]

Analyte	Unit	02/19/02	04/10/02	10/08/03	04/14/04	10/08/04	04/05/05	10/05/05	04/28/06	10/03/06	04/11/07	10/08/07	04/09/08[g]	10/08/08
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	254	327	262	218	291	261	190	270	190	268	172	317	296
Conductivity[c]	µmhos/cm	1078	1023	959	880	1050	1055	1579	1334	1255	1106	1010	1123	1331
DO[c]	mg/L	--	--	--	--	--	--	10.30	--	7.97	--	--	--	--
pH[c]	s.u.	7.83	8.22	8.27	8.40	8.29	7.92	8.17	8.06	7.91	8.26	8.08	8.12	8.15
Temperature[c]	C	0.3	10.9	18.47	15.9	9.6	11.4	18.3	10.59	13.78	9.02	12.32	4.14	9.64
Common Ions														
Ca[b]	mg/L	--	79.4	68.4	61.0	80.0	100	160	120	120	110	86.0	150	110
Chloride[b]	mg/L	--	--	117	98.0	89.0	140	290	230	200	150	130	130	210
Fluoride[b]	µg/L	--	--	261	850.	370.	320.	310.	380.	340.	330.	480.	330.	500.
Hardness[b]	mg/L	--	331	306	264	348	398	618	477	477	431	363	531	452
K[b]	mg/L	--	0.484	0.551	8.50	2.00	1.30	1.40	0.810	3.50	0.0250U	0.0430U	3.40	0.720J
Mg[b]	mg/L	--	32.2	32.9	27.0	36.0	36.0	53.0	43.0	43.0	38.0	36.0	38.0	43.0
Na[b]	mg/L	--	81.7	88.4	69.0	74.0	75.0	92.0	92.0	100	86.0	95.0	84.0	100
NO_3+NO_2 as N[b]	µg/L	656	--	4.50U	10.U	10.U	140.	10.U	750.	430.	1900.	310.	1500.	1400.
SO_4[b]	mg/L	--	--	86.6	170	90.0	130	190	140	140	110	110	110	110
Metals														
As[b]	µg/L	0.6U	0.57	0.870	0.68	0.62	0.47	0.8	0.61	0.85	2.5	0.81	2.5	0.91
Fe[b]	µg/L	8.8	1U	0.800U	9.8U	7U	7.5U	7.8U	14U	22	3.7U	5.6U	8900	3.1U
Mn[b]	µg/L	50.9	7.1	0.890	12	0.066U	0.13U	11	6.4	19	10	7.7	250	0.2U
Mo[b]	µg/L	4.4	4.9	1.80	3.7	2.4J	2.6	3.4J	3.1J	3.3J	3.5	3.2	4.5	1.9
Se[b]	µg/L	10.6	5.9	2.20	4	0.65	18	9.4	6.6	2.6	5.2	2.1	6.2	1.6
U[b]	µg/L	92.2	59.1	34.7	38	31J	79	48	52	49	45	34	97	41
V[b]	µg/L	5.8	4.6	2.00	2.8	1.5	1.5J	0.1U	2.5	1.6	3.7J	2.5J	19	1.4
Radiological														
U[b]	µg/L	92.2	59.1	34.7	38	31J	79	48	52	49	45	34	97	41

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Cross Gradient -- Seep 5[a]

Analyte	Unit	04/06/09	10/05/09	04/21/10	10/12/10	04/06/11
Field Measurements						
Alkalinity[c]	mg/L	--	--	231	--	--
Alkalinity[b]	mg/L	234	239	--	286	288
Conductivity[c]	µmhos/cm	972	1116	1224	1584	1396
DO[c]	mg/L	--	--	--	--	--
pH[c]	s.u.	8.23	7.90	8.13	8.09	7.37
Temperature[c]	C	10.00	11.63	9.04	19.43	4.26
Common Ions						
Ca[b]	mg/L	92.0J	91.0J	100	130	127
Chloride[b]	mg/L	150	140	140	290	217
Fluoride[b]	µg/L	310.	350.	310.	300.	305
Hardness[b]	mg/L	378J	392J	410	543	517
K[b]	mg/L	1.20UJ	0.550J	0.210J	1.10J	0.370
Mg[b]	mg/L	36.0	40.0	39.0	53.0	48.5
Na[b]	mg/L	94.0J	96.0J	85.0	110	101
NO_3+NO_2 as N[b]	µg/L	4000.	2700.	2800.	600.	3710.
SO_4[b]	mg/L	110	110	110	150	117
Metals						
As[b]	µg/L	0.81	0.79	0.78	1.1	1.70U
Fe[b]	µg/L	2.1J	1.6U	4.9U	4.9U	30.0U
Mn[b]	µg/L	6.4	5.6	3.2J	11	2.00U
Mo[b]	µg/L	2.9	2.1	2.9	1.8	2.1
Se[b]	µg/L	5.4	2.7	7.2	2.4	3.09
U[b]	µg/L	44	30	82	32	44.1
V[b]	µg/L	3.3	2.4	2.1	1.8	3.00U
Radiological						
U[b]	µg/L	44	30	82	32	44.1

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Cross Gradient -- Steele Pond[a]

Analyte	Unit	10/23/01	02/19/02
Field Measurements			
Alkalinity[b]	mg/L	102	58
Conductivity[c]	µmhos/cm	1226	5640
pH[c]	s.u.	9.81	8.91
Temperature[c]	C	9.4	0.1
Common Ions			
Ca[b]	mg/L	53.1	--
Chloride[b]	mg/L	213	--
Fluoride[b]	µg/L	299	--
Hardness[b]	mg/L	249	--
K[b]	mg/L	7.55	--
Mg[b]	mg/L	28.2	--
Na[b]	mg/L	128	--
NO_3+NO_2 as N[b]	µg/L	2480	1050
SO_4[b]	mg/L	213	--
TDS[c]	mg/L	727	--
Metals			
As[b]	µg/L	0.6U	0.6U
Fe[b]	µg/L	35.5	8.5
Mn[b]	µg/L	4.3	32.4
Mo[b]	µg/L	3.9	1.5U
Se[b]	µg/L	9.3	4
U[b]	µg/L	23.5	7.6
V[b]	µg/L	7.8	3.3
Radiological			
Alpha[c,d]	pCi/L	96.0	--
Alpha-U[c,e]	pCi/L	78.8	--
Beta[c]	pCi/L	31.9	--
U[b]	µg/L	23.5	7.6
U-234[c]	pCi/L	8.5	--
U-238[c]	pCi/L	8.7	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0301[a]

Analyte	Unit	07/23/08	08/25/08	09/23/08	10/15/08	11/24/08	12/29/08	01/28/09	02/10/09	03/11/09	04/09/09	05/06/09	06/11/09	07/07/09
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	287	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1310	1578	1616	1755	1731	1822	1866	1800	1590	1816	1647	1543	1540
DO[c]	mg/L	--	--	--	9.73	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.55	7.67	7.61	7.77	7.42	7.44	7.63	7.89	8.01	7.88	7.86	7.20	7.77
Temperature[c]	C	20.6	22.3	19.30	12.45	6.60	2.66	0.51	1.8	2.60	3.18	17.60	10.83	21.04
Metals														
Fe[c]	µg/L	1100	610	1600	980	3400	250	260	330	220	1800	1600	16000	2500
U[c]	µg/L	17	21	29	30	28	32	35	31	27	20	21	14	18
Radiological														
U[c]	µg/L	17	21	29	30	28	32	35	31	27	20	21	14	18

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0301[a]

Analyte	Unit	08/03/09	09/08/09	10/07/09	11/10/09	12/14/09	01/06/10	02/08/10	03/03/10	05/20/10	06/14/10	07/19/10	08/18/10	09/07/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1570	1993	1996	1864	1637	1781	1882	1293	1309	819	1577	1615	1930
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.70	6.74	7.33	7.79	7.65	7.49	7.38	8.13	7.74	7.96	7.95	7.96	7.28
Temperature[c]	C	21.28	16.46	13.63	5.10	1.2	1.50	2.9	8.22	12.60	15.91	21.02	20.35	14.2
Metals														
Fe[c]	µg/L	5700	4200	10000	2400	3200	11000	1600	1500J	210	570	210	420	1800
U[c]	µg/L	17	18	3.2	30	31	33	31	41	16J	8.2	21	21	88
Radiological														
U[c]	µg/L	17	18	3.2	30	31	33	31	41	16J	8.2	21	21	88

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0301[a]

Analyte	Unit	10/14/10	10/20/10	11/08/10	12/06/10	01/06/11	02/14/11	03/21/11	04/05/11
Field Measurements									
Alkalinity[c]	mg/L	--	314	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1918	1818	1842	1739	1893	1771	1771	1700
DO[c]	mg/L	--	--	--	--	--	10.78	--	--
pH[c]	s.u.	7.22	7.91	7.68	7.95	7.80	7.82	7.79	7.69
Temperature[c]	C	8.42	10.34	7.63	6.13	0.62	6.99	5.94	3.1
Metals									
Fe[c]	µg/L	1900	1300	1800	1500	1100	980	850	870
U[c]	µg/L	25	23	23	29	31	27	23	23
Radiological									
U[c]	µg/L	25	23	23	29	31	27	23	23

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0302[a]

Analyte	Unit	07/23/08	08/25/08	09/23/08	10/15/08	11/24/08	12/29/08	01/28/09	02/10/09	03/11/09	04/09/09	05/06/09	06/11/09	07/07/09
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	273	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1327	1590	1605	1743	1692	1830	1852	1700	1828	1782	1647	1366	1547
DO[c]	mg/L	--	--	--	9.83	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.59	7.75	7.70	8.06	7.89	7.29	7.88	7.98	8.02	7.96	7.92	7.84	7.52
Temperature[c]	C	21.0	22.6	19.8	12.02	6.49	3.45	0.32	1.6	3.41	2.89	18.08	10.41	21.48
Metals														
Fe[c]	µg/L	540	530	620	470	610	220	210	250	180	1200	1400	980	2000
U[c]	µg/L	16	21	28	28	27	33	35	30	26	20	20	14	18
Radiological														
U[c]	µg/L	16	21	28	28	27	33	35	30	26	20	20	14	18

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0302[a]

Analyte	Unit	08/03/09	09/08/09	10/07/09	11/10/09	12/14/09	01/06/10	02/08/10	03/03/10	05/20/10	06/14/10	07/19/10	08/18/10	09/07/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1559	1907	1994	1830	1620	1732	1885	1223	1309	780	1572	16.18	1905
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.77	7.78	7.58	7.85	7.77	7.71	7.58	8.13	7.85	8.13	7.91	8.03	7.60
Temperature[c]	C	21.11	20.17	13.87	5.16	0.85	1.27	3.3	8.55	13.23	16.15	21.76	19.87	14.6
Metals														
Fe[c]	µg/L	4600	270	1100	1400	1200	4600	770	12000J	220	330	300	310	340
U[c]	µg/L	17	23	4.5	30	31	33	32	39	17J	8.4	20	21	81
Radiological														
U[c]	µg/L	17	23	4.5	30	31	33	32	39	17J	8.4	20	21	81

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0302[a]

Analyte	Unit	10/14/10	10/20/10	11/08/10	12/06/10	01/06/11	02/14/11	03/21/11	04/05/11
Field Measurements									
Alkalinity[c]	mg/L	--	364	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1903	1827	1854	1753	1891	1759	1769	1700
DO[c]	mg/L	--	--	--	--	--	11.85	--	--
pH[c]	s.u.	7.32	7.91	7.91	7.91	7.69	7.86	7.85	7.81
Temperature[c]	C	7.99	10.04	7.75	6.14	0.92	7.58	5.87	3.1
Metals									
Fe[c]	µg/L	1100	930	1300	1500	720	720	960	830
U[c]	µg/L	25	23	22	29	31	27	24	22
Radiological									
U[c]	µg/L	25	23	22	29	31	27	24	22

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0303[a]

Analyte	Unit	10/06/09	10/13/10
Field Measurements			
Alkalinity[b]	mg/L	335	288
Conductivity[c]	µmhos/cm	2166	1770
pH[c]	s.u.	7.62	7.39
Temperature[c]	C	12.66	12.76
Metals			
U[b]	µg/L	390	100
Radiological			
U[b]	µg/L	390	100

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0304[a]

Analyte	Unit	10/06/09	10/13/10
Field Measurements			
Alkalinity[b]	mg/L	42	80
Conductivity[c]	µmhos/cm	2395	2428
pH[c]	s.u.	8.60	8.14
Temperature[c]	C	14.21	14.44
Metals			
U[b]	µg/L	85	69
Radiological			
U[b]	µg/L	85	69

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- 0305[a]

Analyte	Unit	10/06/09	10/13/10
Field Measurements			
Alkalinity[b]	mg/L	40	69
Conductivity[c]	µmhos/cm	2443	2443
pH[c]	s.u.	8.46	8.26
Temperature[c]	C	14.69	12.49
Metals			
U[b]	µg/L	85	73
Radiological			
U[b]	µg/L	85	73

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- City Sewage Lagoon[a]

Analyte	Unit	10/04/06
Field Measurements		
Alkalinity[b]	mg/L	213
Conductivity[c]	µmhos/cm	1225
pH[c]	s.u.	8.20
Temperature[c]	C	18.6
Common Ions		
Ca[b]	mg/L	68.0
Chloride[b]	mg/L	230
Fluoride[b]	µg/L	250.
Hardness[b]	mg/L	252
K[b]	mg/L	17.0
Mg[b]	mg/L	20.0
Na[b]	mg/L	150
NO_3+NO_2 as N[b]	µg/L	12
SO_4[b]	mg/L	90.0
Metals		
As[b]	µg/L	6.3
Fe[b]	µg/L	35
Mn[b]	µg/L	94
Mo[b]	µg/L	1.9J
Se[b]	µg/L	0.025U
U[b]	µg/L	1.9
V[b]	µg/L	3.5
Radiological		
U[b]	µg/L	1.9

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW00-03[a]

Analyte	Unit	04/18/00	07/17/00
Field Measurements			
Alkalinity[b]	mg/L	209	143
Conductivity[c]	µmhos/cm	1515	1487
pH[c]	s.u.	8.08	7.87
Temperature[c]	C	6.3	21.8
Common Ions			
Ca[b]	mg/L	237	230
Chloride[b]	mg/L	24.5	24.9
Fluoride[b]	µg/L	162	190
Hardness[b]	mg/L	775	780
K[b]	mg/L	2.41	3.62
Mg[b]	mg/L	44.5	49.9
Na[b]	mg/L	49.3	59.3
NO_3+NO_2 as N[b]	µg/L	327	32.4U
SO_4[b]	mg/L	613	704
TDS[c]	mg/L	1170	1300
Metals			
As[b]	µg/L	0.2U	0.39
Fe[b]	µg/L	7.4U	9.1U
Mn[b]	µg/L	76.1	49.2
Mo[b]	µg/L	3.7	0.3U
Se[b]	µg/L	7.1	3.9
U[b]	µg/L	33.8	45.1
V[b]	µg/L	3	2.6
Radiological			
Alpha[c,d]	pCi/L	10.8	29.8J
Alpha-U[c,e]	pCi/L	0[f]	0[f]
Beta[c]	pCi/L	11.9	23.3
U[b]	µg/L	33.8	45.1

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW00-04[a]

Analyte	Unit	04/17/00	07/17/00	10/19/00	04/17/01	10/09/01	04/09/02	10/09/02	04/07/03	10/08/03	04/13/04	10/06/04	04/06/05	10/05/05
Field Measurements														
Alkalinity[b]	mg/L	197	--	--	175	208	530	224	229	243	223	281	85	244
Conductivity[c]	µmhos/cm	1549	1598	1661	1602	1680	1628	1347	1720	1454	1598	1522	867	1818
pH[c]	s.u.	8.18	8.03	8.14	8.1	8.04	8.2	8.09	--	7.69	7.65	7.94	8.10	7.36
Temperature[c]	C	15.8	23.3	8.6	15.4	12.5	14.6	13.4	7.6	16.5	10.61	13.3	12.69	11.4
Common Ions														
Ca[b]	mg/L	222	214	239	187	202	206	119	207	139	250	190	120	290
Chloride[b]	mg/L	35.4	44.2	36.5	69.2	53.4	46.8	56.8	69.7	68.9	55.0	63.0	38.0	69.0
Fluoride[b]	µg/L	174	196	203	206	157	129	156J	37.7	262	200.U	200.U	130.	200.U
Hardness[b]	mg/L	754	746	816	656	712	735	450	730	512	851	647	394	951
K[b]	mg/L	3.21	4.59	4.54	4.44	4.94	3.87	4.72	4.34	7.13	7.40	9.50	4.60	6.70
Mg[b]	mg/L	48.6	51.3	53.3	45.8	50.4	53.6	37.2	51.7	40.0	55.0	42.0	23.0	55.0
Na[b]	mg/L	73.6	96.5	84.5	98.2	97.3	94.1	122	115	139	90.0	97.0	44.0	91.0
NO_3+NO_2 as N[b]	µg/L	376	32.4U	467	622	147	150	41	69.3	4.50U	10.U	10.U	710.	130.
SO_4[b]	mg/L	654	700	678	285	689	643	457	638	491	550	480	230	770
TDS[c]	mg/L	1190	1340	1350	1220	1240	1280	983	1280	1060	1200	--	--	--
Metals														
As[b]	µg/L	0.42	0.66	0.8	0.78	0.78	1	1	0.490	1.30	0.74	2.2	0.68	0.86
Fe[b]	µg/L	7.4U	9.1U	11.7U	1U	0.8UJ	1U	47.7	1.30U	17.8	9.8U	7U	7.5U	7.8U
Mn[b]	µg/L	117	17.6	189	159	60	230	37	171	124	120	350	86	130
Mo[b]	µg/L	8	12.5	12.5	13.7	9	8.8	7.2	8.50	1.70U	16	14	3.9	12
Se[b]	µg/L	7.6	5.9	7.4	9.8	8.2	7.4	2.5	15.5	2.80	6.1	2.2	2.9	2.5
U[b]	µg/L	73.2	102	86.4	78.5	100	82.7	80.2	131	107	130J	130J	29	110
V[b]	µg/L	3.9	1.3U	2.8	8.6	2.2	3.5	1	0.300U	3.90	0.5U	1.6J	2.6	0.71
Radiological														
Alpha[c,d]	pCi/L	46.0	55.2J	41.9J	28.9	49.4J	55.3	46.9	60.0J	61.7J	91.2	87.8	15.3	--
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	1.3	0[f]	0[f]	--
Beta[c]	pCi/L	21.4	37.4	29.9	26.6	21.5	26.2	14.4	31.4J	46.3	33.3	33.4	10.0	--
U[b]	µg/L	73.2	102	86.4	78.5	100	82.7	80.2	131	107	130J	130J	29	110
U-234[c]	pCi/L	--	--	30.9	28.4	34.9	28.1	23.8	48.9	38.4	43.7	45.8	9.5	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	1.7	2.4	2.3	0.51	--
U-238[c]	pCi/L	--	--	32.8	38.5	36.9	29.6	29.1	45.1J	38.4	43.8	44.8	8.7	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW00-04[a]

Analyte	Unit	04/26/06	10/04/06	04/09/07	10/08/07	04/10/08[g]	10/06/08	04/08/09	10/06/09	04/20/10	10/13/10	04/05/11
Field Measurements												
Alkalinity[b]	mg/L	226	292	175	258	221	22	250	270	167	282	294
Conductivity[c]	µmhos/cm	1430	1800	1530	1754	1160	2177	1706	1925	760	1783	1780
pH[c]	s.u.	8.18	7.77	8.10	8.42	6.95	7.55	7.34	8.09	8.71	8.07	7.94
Temperature[c]	C	14.75	19.0	12.74	13.1	1.21	17.91	10.37	13.25	13.3	11.18	10.3
Common Ions												
Ca[b]	mg/L	270	360	290	310	140	240	280J	240J	110	220	249
Chloride[b]	mg/L	29.0	67.0	40.0	53.0	35.0	110	55.0	110	26.0	120	60.3
Fluoride[b]	µg/L	200.U	200.U	200.U	290.	120.	570.	230.	360.	170.	160.	286
Hardness[b]	mg/L	872	1170	938	1030	461	855	946J	875J	361	751	861
K[b]	mg/L	4.50	8.90	4.90	8.00	2.80	15.0J	5.90J	7.50J	2.60J	11.0J	4.05
Mg[b]	mg/L	48.0	66.0	52.0	63.0	27.0	62.0	60.0	67.0	21.0	49.0	58.0
Na[b]	mg/L	59.0	100	74.0	100	45.0	130	93.0J	140J	36.0	120	92.2
NO_3+NO_2 as N[b]	µg/L	36	120.	25	27	360.	190.	100.	76	460.	330.	108
SO_4[b]	mg/L	610	800	620	870	310	780	700	730	240	510	688
TDS[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--
Metals												
As[b]	µg/L	0.66	0.98	0.99	0.79	0.57	1.2	0.62	0.81	0.76	2.6	2.15
Fe[b]	µg/L	42	10	3.7U	5.6U	460	3.8	10	6	12	4.9U	30.0U
Mn[b]	µg/L	160	180	180	120	86	240	220	50	64	160	224
Mo[b]	µg/L	6	9	6.9	12	4.7	13	7.9	19	4.2	9.1	8.3
Se[b]	µg/L	2.9	3.9	4.6	4.1	3	5	6.8	9.4	5	5.1	4.25
U[b]	µg/L	54	92	64	110	37	170	89	210	34	100	89.1
V[b]	µg/L	2.6	1.3	2.7J	3J	4.7	2.7	1.6	1.5	3.8	5.6	3.00U
Radiological												
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	54	92	64	110	37	170	89	210	34	100	89.1
U-234[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW01-01[a]

Analyte	Unit	01/30/01	04/17/01	07/12/01	10/09/01	01/30/02	04/10/02	04/07/03	10/08/03	04/14/04	10/07/04	04/06/05	10/04/05	04/04/06
Field Measurements														
Alkalinity[b]	mg/L	265	155	213	190	247	257	250	288	282	266	102	249	187
Conductivity[c]	µmhos/cm	1978	1624	1408	1400	1563	1607	1441	1520	1233	1665	783	1594	1376
DO[c]	mg/L	--	--	--	--	9.85	--	--	--	--	8.53	--	--	--
pH[c]	s.u.	8.23	8.15	7.93	7.94	7.73	7.84	7.84	8.14	8.03	8.00	8.11	8.06	7.97
Temperature[c]	C	0.8	21.1	21.7	12.8	-0.3	6.7	10.5	16.4	6.94	9.9	13.98	13.2	16.77
Common Ions														
Ca[b]	mg/L	289	203	199	209	291	239	214	218	290	290	120	310	250
Chloride[b]	mg/L	38.8	49.0	23.8	25.3	27.8	24.4	48.2	40.0	35.0	22.0	19.0	20.0	19.0
Fluoride[b]	µg/L	175	227	211	269	161J	130	17.2U	161	200.U	200.U	100.U	200.U	200.U
Hardness[b]	mg/L	956J	705	681	687	960	825	737	762	938	947	378	976	810
K[b]	mg/L	2.75	2.85	2.84	5.23	3.08	2.73	2.98	4.87	4.50	5.50	2.40	4.20	3.90
Mg[b]	mg/L	56.9J	48.2	44.7	40.0	56.7	55.3	49.1	52.9	52.0	54.0	19.0	49.0	45.0
Na[b]	mg/L	60.6	72.7	63.4	46.0	61.1	60.1	70.2	83.5	60.0	62.0	28.0	48.0	45.0
NO_3+NO_2 as N[b]	µg/L	764	967	39.1	595	385	81	185	4.50U	260.	10.U	530.	41	29
SO_4[b]	mg/L	825	317	595	576	674	633	569	606	450	640	190	760	650
TDS[c]	mg/L	1570	1480	1140	1070	1560	1290	1160	1240	1100	1300	540	1300	1100
Metals														
As[b]	µg/L	0.57	1.3	2.3	2.2	1.5	1.5	1	2.00	0.73	0.69	0.34	0.35	0.4
Fe[b]	µg/L	11U	1.0U	5	18.9J	29.7	1U	1.30U	0.800U	9.8U	7U	6.8U	7.8U	70
Mn[b]	µg/L	64.2	23.9	3.8	6.8	21.2	10	16.3	10.00	9.4	3.1	28	22	39
Mo[b]	µg/L	7.6	16	4.4	1.9U	1.5U	1.8U	2.00U	1.70U	7.5	3.6J	2.7	3.7J	2.9
Se[b]	µg/L	7.4	10	8.1	3.9	4	3.9	7.80	7.20	3.9	2.4	2.8	0.78	1.2
U[b]	µg/L	48.1	48.2	37.1	27.1	39.5	31.4	45.4	59.7	29J	41J	12	21	19
V[b]	µg/L	10.6	29.7	59.1	47	28.2	24.7	31.8	36.1	19	10J	2.6	4.9	5.4
Radiological														
Alpha[c,d]	pCi/L	25.7	19.4	15.9J	16.3J	25.3	20.4	27.2J	25.9J	20.3	25.5	8.3	--	--
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	--	--
Beta[c]	pCi/L	10.2	12.5	9.3U	9.0U	9.4U	11.2	10.3J	16.0	8.7	12.8	4.7	--	--
U[b]	µg/L	48.1	48.2	37.1	27.1	39.5	31.4	45.4	59.7	29J	41J	12	21	19
U-234[c]	pCi/L	22.4	18.3	13.0J	11.2	15.4	13.0	16.7	22.7	11.6	15.0	4.7	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	0.93	0.52	0.50	0.21	--	--
U-238[c]	pCi/L	16.6	20.6	12.5	9.9	14.0	10.9	15.7J	20.2	9.8	13.3	3.6	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW01-01[a]

Analyte	Unit	10/03/06	04/10/07	10/08/07	04/08/08[g]	10/08/08	04/08/09	10/07/09	04/21/10	10/12/10	04/05/11
Field Measurements											
Alkalinity[b]	mg/L	261	305	218	214	80	238	333	152	311	336
Conductivity[c]	µmhos/cm	1753	1325	1738	999	1761	1669	1948	665	1879	1630
DO[c]	mg/L	8.05	--	--	--	--	--	--	--	4.92	--
pH[c]	s.u.	7.27	8.33	8.35	8.13	7.62	8.02	8.12	8.16	7.60	7.80
Temperature[c]	C	14.4	9.07	13.1	12.55	15.78	13.89	14.39	7.7	17.40	15.7
Common Ions											
Ca[b]	mg/L	450	290	380	140	290	320J	290J	96.0	330	280
Chloride[b]	mg/L	22.0	20.0	18.0	23.0	32.0	33.0	100	15.0	27.0	28.0
Fluoride[b]	µg/L	200.U	200.U	300.	110.	560.	210.	500.	150.	210.	274
Hardness[b]	mg/L	1400	909	1220	453	938	1030J	971J	306	1050	913
K[b]	mg/L	7.10	3.40	5.30	2.40	7.10J	5.00J	11.0J	1.90J	5.10J	3.11
Mg[b]	mg/L	68.0	45.0	66.0	25.0	52.0	57.0	60.0	16.0	56.0	52.0
Na[b]	mg/L	55.0	44.0	62.0	34.0	69.0	61.0J	120J	24.0	64.0	55.1
NO_3+NO_2 as N[b]	µg/L	460.	20.	31	240.	230.	62	49	340.	140.	10U
SO_4[b]	mg/L	880	600	980	310	710	700	740	170	760	706
TDS[c]	mg/L	1500	1200	1700	710	1400	1300	1500	450	1400	1390
Metals											
As[b]	µg/L	0.65	0.012U	0.64	0.39	1.2	0.17U	0.28	0.54	1	1.70U
Fe[b]	µg/L	3.6	3.7U	5.6U	1.4U	3.1U	16	1.6U	45	4.9U	50
Mn[b]	µg/L	42	21	5.8	7.2	35	80	110	35	39	95.9
Mo[b]	µg/L	1.6J	2.2	2.9	3.2	5.3	2.8	9.2	2.2	3.1	3.06
Se[b]	µg/L	1.1	1.5	0.99	2.7	3.6	2.8	0.52	2.6	2.1	1.50U
U[b]	µg/L	20	16	27	14	50	21	5.2	6.8	33	25.5
V[b]	µg/L	7.2	5.7J	13J	6.4	20	0.96	1.3	2.9	11	3.01
Radiological											
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	20	16	27	14	50	21	5.2	6.8	33	25.5
U-234[c]	pCi/L	--	--	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW10-01[a]

Analyte	Unit	10/07/09
Field Measurements		
Alkalinity[b]	mg/L	409
Conductivity[c]	µmhos/cm	2551
pH[c]	s.u.	7.49
Temperature[c]	C	16.74
Common Ions		
Ca[b]	mg/L	410J
Chloride[b]	mg/L	81.0
Fluoride[b]	µg/L	320.
Hardness[b]	mg/L	1370J
K[b]	mg/L	17.0J
Mg[b]	mg/L	85.0
Na[b]	mg/L	180J
NO_3+NO_2 as N[b]	µg/L	10.U
SO_4[b]	mg/L	1100
Metals		
As[b]	µg/L	0.59
Fe[b]	µg/L	17
Mn[b]	µg/L	160
Mo[b]	µg/L	36
Se[b]	µg/L	17
U[b]	µg/L	430
V[b]	µg/L	1.9
Radiological		
U[b]	µg/L	430

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW10-02[a]

Analyte	Unit	10/06/09
Field Measurements		
Alkalinity[b]	mg/L	360
Conductivity[c]	µmhos/cm	2148
pH[c]	s.u.	7.20
Temperature[c]	C	12.65
Common Ions		
Ca[b]	mg/L	300J
Chloride[b]	mg/L	110
Fluoride[b]	µg/L	300.
Hardness[b]	mg/L	1020J
K[b]	mg/L	8.60J
Mg[b]	mg/L	66.0
Na[b]	mg/L	150J
NO_3+NO_2 as N[b]	µg/L	1100.
SO_4[b]	mg/L	860
Metals		
As[b]	µg/L	0.37
Fe[b]	µg/L	4.4
Mn[b]	µg/L	130
Mo[b]	µg/L	32
Se[b]	µg/L	20
U[b]	µg/L	360
V[b]	µg/L	1.8
Radiological		
U[b]	µg/L	360

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW10-03[a]

Analyte	Unit	10/06/09
Field Measurements		
Alkalinity[b]	mg/L	346
Conductivity[c]	µmhos/cm	2176
pH[c]	s.u.	7.60
Temperature[c]	C	11.15
Common Ions		
Ca[b]	mg/L	310J
Chloride[b]	mg/L	100
Fluoride[b]	µg/L	310.
Hardness[b]	mg/L	1050J
K[b]	mg/L	8.80J
Mg[b]	mg/L	68.0
Na[b]	mg/L	150J
NO_3+NO_2 as N[b]	µg/L	1000.
SO_4[b]	mg/L	840
Metals		
As[b]	µg/L	0.44
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	170
Mo[b]	µg/L	31
Se[b]	µg/L	19
U[b]	µg/L	350
V[b]	µg/L	2.2
Radiological		
U[b]	µg/L	350

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW10-04[a]

Analyte	Unit	10/06/09
Field Measurements		
Alkalinity[b]	mg/L	283
Conductivity[c]	µmhos/cm	2051
pH[c]	s.u.	7.84
Temperature[c]	C	11.88
Common Ions		
Ca[b]	mg/L	270J
Chloride[b]	mg/L	110
Fluoride[b]	µg/L	290.
Hardness[b]	mg/L	967J
K[b]	mg/L	7.50J
Mg[b]	mg/L	71.0
Na[b]	mg/L	150J
NO_3+NO_2 as N[b]	µg/L	310.
SO_4[b]	mg/L	770
Metals		
As[b]	µg/L	0.8
Fe[b]	µg/L	15
Mn[b]	µg/L	130
Mo[b]	µg/L	21
Se[b]	µg/L	12
U[b]	µg/L	240
V[b]	µg/L	1.3
Radiological		
U[b]	µg/L	240

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW10-05[a]

Analyte	Unit	10/07/09
Field Measurements		
Alkalinity[b]	mg/L	235
Conductivity[c]	µmhos/cm	1843
pH[c]	s.u.	8.16
Temperature[c]	C	5.95
Common Ions		
Ca[b]	mg/L	220J
Chloride[b]	mg/L	96.0
Fluoride[b]	µg/L	280.
Hardness[b]	mg/L	801J
K[b]	mg/L	7.50J
Mg[b]	mg/L	61.0
Na[b]	mg/L	140J
NO_3+NO_2 as N[b]	µg/L	12
SO_4[b]	mg/L	670
Metals		
As[b]	µg/L	1.1
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	87
Mo[b]	µg/L	17
Se[b]	µg/L	7.3
U[b]	µg/L	180
V[b]	µg/L	1.8
Radiological		
U[b]	µg/L	180

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW10-06[a]

Analyte	Unit	10/07/09
Field Measurements		
Alkalinity[b]	mg/L	247
Conductivity[c]	µmhos/cm	1820
pH[c]	s.u.	8.19
Temperature[c]	C	4.92
Common Ions		
Ca[b]	mg/L	220J
Chloride[b]	mg/L	89.0
Fluoride[b]	µg/L	330.
Hardness[b]	mg/L	792J
K[b]	mg/L	7.10J
Mg[b]	mg/L	59.0
Na[b]	mg/L	130J
NO_3+NO_2 as N[b]	µg/L	10.U
SO_4[b]	mg/L	660
Metals		
As[b]	µg/L	1.1
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	28
Mo[b]	µg/L	16
Se[b]	µg/L	6.6
U[b]	µg/L	180
V[b]	µg/L	2.2
Radiological		
U[b]	µg/L	180

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW10-07[a]

Analyte	Unit	10/07/09
Field Measurements		
Alkalinity[b]	mg/L	243
Conductivity[c]	µmhos/cm	1828
pH[c]	s.u.	8.10
Temperature[c]	C	4.63
Common Ions		
Ca[b]	mg/L	210J
Chloride[b]	mg/L	95.0
Fluoride[b]	µg/L	260.
Hardness[b]	mg/L	767J
K[b]	mg/L	7.20J
Mg[b]	mg/L	59.0
Na[b]	mg/L	130J
NO_3+NO_2 as N[b]	µg/L	10.U
SO_4[b]	mg/L	670
Metals		
As[b]	µg/L	1.2
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	41
Mo[b]	µg/L	16
Se[b]	µg/L	6.5
U[b]	µg/L	180
V[b]	µg/L	2.3
Radiological		
U[b]	µg/L	180

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW92-06[a]

Analyte	Unit	01/13/00	10/08/09
Field Measurements			
Alkalinity[b]	mg/L	221	358
Conductivity[c]	µmhos/cm	1370	1897
pH[c]	s.u.	8	7.26
Temperature[c]	C	3.2	11.15
Common Ions			
Ca[b]	mg/L	219	240J
Chloride[b]	mg/L	15.1	120
Fluoride[b]	µg/L	137	330.
Hardness[b]	mg/L	714	822J
K[b]	mg/L	3.15	7.30J
Mg[b]	mg/L	40.6	54.0
Na[b]	mg/L	42.7	140J
NO_3+NO_2 as N[b]	µg/L	537J	23
SO_4[b]	mg/L	525	630
TDS[c]	mg/L	1140	--
Metals			
As[b]	µg/L	0.4U	1.3
Fe[b]	µg/L	8.9U	160
Mn[b]	µg/L	74.5	1200
Mo[b]	µg/L	1.6	21
Se[b]	µg/L	2.4	1.2
U[b]	µg/L	28.2	130
V[b]	µg/L	1.0U	7.8
Radiological			
Alpha[c,d]	pCi/L	9.6	--
Alpha-U[c,e]	pCi/L	0[f]	--
Beta[c]	pCi/L	13.6	--
U[b]	µg/L	28.2	130

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW92-08[a]

Analyte	Unit	04/17/00	10/19/00	04/17/01	10/10/01	04/09/02	10/10/02	04/07/03	10/08/03	04/13/04	10/06/04	04/06/05	10/05/05	04/26/06
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	172	250	155	233	223	253	230	284	235	253	198	238	203
Conductivity[c]	µmhos/cm	1497	1622	1472	1655	1533	1335	1670	1296	1321	1361	852	1719	1376
pH[c]	s.u.	8.31	10.78	8.33	8.34	8.75	8.13	--	8.32	8.37	8.11	8.02	7.85	8.17
Temperature[c]	C	16	6.8	15.9	7.3	14.3	4.4	8.6	12.1	15.58	13.5	13.35	9.18	15.5
Common Ions														
Ca[b]	mg/L	204	231	157	199	185	134	200	133	240	160	120	290	250
Chloride[b]	mg/L	37.8	34.8	74.4	53.9	47.0	52.2	68.7	66.0	55.0	56.0	36.0	68.0	30.0
Fluoride[b]	µg/L	190	209	194	171	155	295J	48.6	192	230.	240.	110.	200.U	200.U
Hardness[b]	mg/L	703	783	559	696	666	471	699	477	809	548	390	951	814
K[b]	mg/L	3.28	4.41	4.93	5.20	4.02	4.18	4.31	6.18	7.60	8.70	4.50	6.40	4.60
Mg[b]	mg/L	46.9	50.1	40.6	48.3	49.6	33.1	48.4	35.3	51.0	36.0	22.0	55.0	46.0
Na[b]	mg/L	74.6	81.5	101	94.9	95.0	102	113	126	89.0	95.0	43.0	83.0	60.0
NO_3+NO_2 as N[b]	µg/L	109	282	186	7.3U	99.4	340	4.50U	4.50U	10.U	10.U	690.	46	18
SO_4[b]	mg/L	630	648	242	666	601	443	621	402	530	410	230	730	610
TDS[c]	mg/L	1170	1320	1080	1210	1210	992	1260	955	1100	--	--	--	--
Metals														
As[b]	µg/L	0.58	0.89	0.5U	0.6U	1.1	1.4	0.520	1.60	1.1	1.5	0.68	1	0.84
Fe[b]	µg/L	7.4U	11.7U	25.3	21.1J	49.6	35.5	1.30U	0.800U	150	7U	7.5U	7.8U	14U
Mn[b]	µg/L	131	123	153	14.8	300	23.1	266	20.6	260	50	110	78	140
Mo[b]	µg/L	9	11.8	12.4	7.4	7.5	13.7	9.00	1.70U	14	12	3.8	12	5.8
Se[b]	µg/L	6.8	5.6	7.5	6	5.9	0.95	11.9	0.800	4.3	1	2.7	2.2	2.6
U[b]	µg/L	72.6	84.8	69.7	94.9	88.3	147	132	88.9	130J	97J	29	110	51
V[b]	µg/L	3.3	3	4.5	1.7	3	2.5	0.300U	1.80	2.1	2.1J	2.3J	0.38	2.3
Radiological														
Alpha[c,d]	pCi/L	36.0J	41.0J	32.1	50.2J	54.4	81.0	61.0J	41.6J	80.0	63.4	17.1	--	--
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	--	--
Beta[c]	pCi/L	19.6	29.0	23.6	22.4	28.5	27.0	32.5J	25.8	32.1	25.0	10.4	--	--
U[b]	µg/L	72.6	84.8	69.7	94.9	88.3	147	132	88.9	130J	97J	29	110	51
U-234[c]	pCi/L	--	29.3	24.8	38.3	27.5	45.6	48.4	31.1	42.7	37.6	10.1	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	1.6	2.0	2.1	0.32	--	--
U-238[c]	pCi/L	--	29.8	33.3	36.2	31.2	52.4	49.3J	30.4	42.9	37.3	8.8	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW92-08[a]

Analyte	Unit	10/04/06	04/11/07	10/09/07	04/10/08[g]	10/06/08	04/08/09	10/07/09	04/20/10	10/13/10	04/05/11
Field Measurements											
Alkalinity[c]	mg/L	--	--	--	--	--	--	257	--	--	--
Alkalinity[b]	mg/L	319	237	246	--	170	243	--	165	268	342
Conductivity[c]	µmhos/cm	1809	1480	1722	1096	2188	1705	1771	750	1777	1730
pH[c]	s.u.	7.28	8.15	8.09	7.89	8.02	7.70	8.24	8.81	8.20	8.15
Temperature[c]	C	19.0	9.88	13.2	2.04	18.87	10.20	5.06	13.1	9.90	10.8
Common Ions											
Ca[b]	mg/L	340	290	310	150	260	270J	230J	110	230	229
Chloride[b]	mg/L	73.0	44.0	53.0	40.0	100	57.0	95.0	26.0	110	62.0
Fluoride[b]	µg/L	200.U	200.U	330.	130.	590.	200.U	280.	170.	170.	317
Hardness[b]	mg/L	1120	938	1040	490	913	917J	826J	361	780	793
K[b]	mg/L	8.60	5.00	8.50	3.30	13.0J	6.00J	7.20J	2.60J	10.0J	4.25
Mg[b]	mg/L	65.0	52.0	64.0	28.0	64.0	59.0	61.0	21.0	50.0	53.6
Na[b]	mg/L	110	77.0	110	48.0	140	94.0J	130J	36.0	120	93.8
NO_3+NO_2 as N[b]	µg/L	15	10.U	10.U	340.	78	23	10.U	340.	110.	10U
SO_4[b]	mg/L	780	630	810	340	790	680	670	230	540	650
TDS[c]	mg/L	--	--	--	--	--	--	--	--	--	--
Metals											
As[b]	µg/L	1.1	1.1	1.3	0.77	1.6	0.74	1.1	0.88	1.9	1.70U
Fe[b]	µg/L	18	3.7U	5.6U	720	6.2	16	1.6U	11	4.9U	30.0U
Mn[b]	µg/L	130	220	160	130	130	190	31	63	93	193
Mo[b]	µg/L	10	7.8	12	5	13	8	16	4.5	10	9.25
Se[b]	µg/L	3.7	4.5	4.2	3	3.6	5.7	7.1	4.9	4.9	2.89
U[b]	µg/L	100	73	120	41	160	85	180	34	110	93.9
V[b]	µg/L	0.99	2.8J	4.5J	5.1	3.3	1.2	1.9	4.2	3.7	3.00U
Radiological											
Alpha[c,d]	pCi/L	--	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	--	--	--	--	--	--	--	--	--	--
U[b]	µg/L	100	73	120	41	160	85	180	34	110	93.9
U-234[c]	pCi/L	--	--	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW92-09[a]

Analyte	Unit	04/08/09	10/07/09	04/20/10	10/13/10
Field Measurements					
Alkalinity[b]	mg/L	228	225	179	264
Conductivity[c]	µmhos/cm	1609	1820	770	1793
pH[c]	s.u.	8.07	8.19	8.85	8.25
Temperature[c]	C	11.60	4.68	12.9	8.88
Common Ions					
Ca[b]	mg/L	270J	220J	120	230
Chloride[b]	mg/L	61.0	98.0	29.0	110
Fluoride[b]	µg/L	250.	260.	170.	170.
Hardness[b]	mg/L	917J	792J	390	780
K[b]	mg/L	6.10J	7.20J	2.80J	9.70J
Mg[b]	mg/L	59.0	59.0	22.0	50.0
Na[b]	mg/L	95.0J	130J	39.0	120
NO_3+NO_2 as N[b]	µg/L	10.U	10.U	260.	54
SO_4[b]	mg/L	690	680	240	550
Metals					
As[b]	µg/L	0.81	1.2	0.94	1.6
Fe[b]	µg/L	15	1.6U	8.7	4.9U
Mn[b]	µg/L	160	36	62	38
Mo[b]	µg/L	8	16	4.6	9.6
Se[b]	µg/L	5.2	6.6	4.7	4.6
U[b]	µg/L	87	180	36	110
V[b]	µg/L	1.9	2.3	4.3	3.4
Radiological					
U[b]	µg/L	87	180	36	110

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW94-01[a]

Analyte	Unit	04/17/00	10/19/00	04/17/01	10/10/01	04/09/02	04/08/09	10/07/09	04/20/10	10/13/10
Field Measurements										
Alkalinity[b]	mg/L	220	--	180	220	297	376	246	171	271
Conductivity[c]	µmhos/cm	1469	1625	1465	1625	1554	1660	1859	740	1770
pH[c]	s.u.	8.36	10.1	8.38	8.33	8.24	7.83	7.32	8.74	8.18
Temperature[c]	C	16.2	6.1	16.1	6.9	14.3	12.50	4.60	13.6	8.60
Common Ions										
Ca[b]	mg/L	171	207	153	194	189	270J	220J	100	230
Chloride[b]	mg/L	59.6	36.9	78.6	54.8	49.0	60.0	96.0	29.0	110
Fluoride[b]	µg/L	283	208	208	166	231J	380.	270.	190.	160.
Hardness[b]	mg/L	651	722	549	679	674	917J	796J	336	784
K[b]	mg/L	4.68	4.62	4.81	5.37	4.09	6.10J	7.40J	3.40J	9.80J
Mg[b]	mg/L	54.3	49.8	40.6	47.2	49.0	59.0	60.0	21.0	51.0
Na[b]	mg/L	92.6	84.8	105	94.2	94.8	95.0J	130J	40.0	120
NO_3+NO_2 as N[b]	µg/L	32.4U	138	27.9	7.3U	61.9	10.U	13	190.	37
SO_4[b]	mg/L	498	637	242	657	589	660	710	220	550
TDS[c]	mg/L	1100	1290	1090	1180	1210	--	--	--	--
Metals										
As[b]	µg/L	1.5	0.81	0.65	0.77	1.1	0.84	1.2	1.4	1.7
Fe[b]	µg/L	7.4	16.5	41.6	18.8J	1U	7.7	1.6U	9.4	4.9U
Mn[b]	µg/L	91.5	21.3	84.3	9.7	40.7	140	48	57	52
Mo[b]	µg/L	7.9	12.2	11.6	8.7	9.9	8.3	16	4.3	9.7
Se[b]	µg/L	3.3	5.3	6.3	4.4	5.2	5.5	5.9	3.8	4.1
U[b]	µg/L	38.7	82.2	71.8	93.7	89.9	87	170	27	110
V[b]	µg/L	3.7	1.5	3	2.1	3	2	2.4	3.5	3.5
Radiological										
Alpha[c,d]	pCi/L	17.6J	51.2J	27.8	48.5J	48.1	--	--	--	--
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0[f]	0[f]	0[f]	--	--	--	--
Beta[c]	pCi/L	13.5	28.4	26.8	15.7	29.7	--	--	--	--
U[b]	µg/L	38.7	82.2	71.8	93.7	89.9	87	170	27	110
U-234[c]	pCi/L	--	29.1	25.7	33.5	27.6	--	--	--	--
U-238[c]	pCi/L	--	32.7	31.3	33.9	32.3	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW97-01[a]

Analyte	Unit	10/06/09
Field Measurements		
Alkalinity[b]	mg/L	320
Conductivity[c]	µmhos/cm	2263
pH[c]	s.u.	7.62
Temperature[c]	C	12.71
Common Ions		
Ca[b]	mg/L	320J
Chloride[b]	mg/L	130
Fluoride[b]	µg/L	340.
Hardness[b]	mg/L	1120J
K[b]	mg/L	9.30J
Mg[b]	mg/L	77.0
Na[b]	mg/L	170J
NO_3+NO_2 as N[b]	µg/L	730.
SO_4[b]	mg/L	890
Metals		
As[b]	µg/L	1.2
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	190
Mo[b]	µg/L	28
Se[b]	µg/L	16
U[b]	µg/L	310
V[b]	µg/L	1.6
Radiological		
U[b]	µg/L	310

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW97-02[a]

Analyte	Unit	10/06/09
Field Measurements		
Alkalinity[b]	mg/L	266
Conductivity[c]	µmhos/cm	1894
pH[c]	s.u.	8.10
Temperature[c]	C	13.10
Common Ions		
Ca[b]	mg/L	220J
Chloride[b]	mg/L	100
Fluoride[b]	µg/L	350.
Hardness[b]	mg/L	809J
K[b]	mg/L	7.10J
Mg[b]	mg/L	63.0
Na[b]	mg/L	140J
NO_3+NO_2 as N[b]	µg/L	60.
SO_4[b]	mg/L	730
Metals		
As[b]	µg/L	0.81
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	44
Mo[b]	µg/L	19
Se[b]	µg/L	9.2
U[b]	µg/L	210
V[b]	µg/L	1.4
Radiological		
U[b]	µg/L	210

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW97-03[a]

Analyte	Unit	10/07/09
Field Measurements		
Alkalinity[b]	mg/L	263
Conductivity[c]	µmhos/cm	1836
pH[c]	s.u.	8.05
Temperature[c]	C	7.71
Common Ions		
Ca[b]	mg/L	220J
Chloride[b]	mg/L	100
Fluoride[b]	µg/L	320.
Hardness[b]	mg/L	796J
K[b]	mg/L	6.90J
Mg[b]	mg/L	60.0
Na[b]	mg/L	130J
NO_3+NO_2 as N[b]	µg/L	17
SO_4[b]	mg/L	730
Metals		
As[b]	µg/L	0.95
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	73
Mo[b]	µg/L	17
Se[b]	µg/L	8.1
U[b]	µg/L	190
V[b]	µg/L	1.9
Radiological		
U[b]	µg/L	190

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.

[b] Sample was filtered in the field.

[c] Sample was unfiltered.

[d] Total gross alpha excluding radon which is lost during analysis.

[e] Gross alpha minus uranium activity. Result rounded as appropriate.

[f] Uranium activity greater than gross alpha.

[g] All samples were unfiltered in April 2008.

Downstream -- SW97-05[a]

Analyte	Unit	10/07/09
Field Measurements		
Alkalinity[c]	mg/L	505
Conductivity[c]	µmhos/cm	1832
pH[c]	s.u.	8.25
Temperature[c]	C	4.87
Common Ions		
Ca[b]	mg/L	220J
Chloride[b]	mg/L	98.0
Fluoride[b]	µg/L	310.
Hardness[b]	mg/L	796J
K[b]	mg/L	7.00J
Mg[b]	mg/L	60.0
Na[b]	mg/L	130J
NO_3+NO_2 as N[b]	µg/L	10.U
SO_4[b]	mg/L	700
Metals		
As[b]	µg/L	1.1
Fe[b]	µg/L	1.6U
Mn[b]	µg/L	23
Mo[b]	µg/L	16
Se[b]	µg/L	6.9
U[b]	µg/L	190
V[b]	µg/L	2
Radiological		
U[b]	µg/L	190

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- SW99-04[a]

Analyte	Unit	01/13/00
Field Measurements		
Alkalinity[b]	mg/L	262
Conductivity[c]	µmhos/cm	1562
pH[c]	s.u.	7.68
Temperature[c]	C	0
Common Ions		
Ca[b]	mg/L	226
Chloride[b]	mg/L	29.7
Fluoride[b]	µg/L	144
Hardness[b]	mg/L	752
K[b]	mg/L	3.07
Mg[b]	mg/L	45.6
Na[b]	mg/L	68.1
NO_3+NO_2 as N[b]	µg/L	636J
SO_4[b]	mg/L	564
TDS[c]	mg/L	1280
Metals		
As[b]	µg/L	0.58
Fe[b]	µg/L	8.9U
Mn[b]	µg/L	185
Mo[b]	µg/L	6
Se[b]	µg/L	2.8
U[b]	µg/L	63.8
V[b]	µg/L	1.0U
Radiological		
Alpha[c,d]	pCi/L	29.1
Alpha-U[c,e]	pCi/L	0[f]
Beta[c]	pCi/L	18.0
U[b]	µg/L	63.8

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- Sorenson[a]

Analyte	Unit	01/13/00	04/18/00	08/02/00	10/19/00	01/30/01	04/17/01	07/12/01	10/09/01	01/31/02	04/09/02	10/09/02	04/07/03	07/08/03
Field Measurements														
Alkalinity[b]	mg/L	289	224	188	298	215	166	202	207	250	375	305	250	250
Conductivity[c]	µmhos/cm	1635	1700	3240	1663	2060	1677	1551	1805	1786	1765	1959	--	1112
DO[c]	mg/L	--	--	--	--	--	--	--	--	9.45	--	--	--	--
pH[c]	s.u.	7.65	7.9	7.8	8.02	8.03	7.97	7.91	7.89	7.26	8.07	7.87	--	8
Temperature[c]	C	0	5.5	19.7	11.3	-0.1	18.1	20.4	10.1	0.2	17.7	11.6	--	22.9
Common Ions														
Ca[b]	mg/L	251	257	270	273	277	200	184	233	264	235	215	229	196
Chloride[b]	mg/L	25.7	37.7	51.6	35.8	51.7	65.1	53.8	61.2	57.3	53.1	84.2	71.7	69.2
Fluoride[b]	µg/L	145	186	267	195	187	194	222	245	121	103	238J	17.2U	17.2U
Hardness[b]	mg/L	830	854	941	914	931J	701	653	810	896	838	763	797	697
K[b]	mg/L	2.93	3.02	5.46	4.12	3.35	4.19	5.97	7.46	4.06	4.48	5.77	4.57	5.43
Mg[b]	mg/L	49.4	51.5	64.8	56.5	58.1J	49.0	47.1	55.5	57.6	60.9	54.9	54.6	50.4
Na[b]	mg/L	62.9	72.7	117	78.9	82.6	94.6	96.8	101	97.4	99.2	162	115	140
NO_3+NO_2 as N[b]	µg/L	643J	725	233	842	1010	870	240	982	1060	430	139	371	4.50U
SO_4[b]	mg/L	628	693	909	727	826	325	573	747	744	730	745	685	629
TDS[c]	mg/L	1380	1310	1680	1460	1620	1280	1160	1450	1570	1420	1580	1400	1380
Metals														
As[b]	µg/L	0.4U	0.39	0.64	0.9	0.55	1.3	2.7	1	1.2	1.5	1.3	0.560	1.20
Fe[b]	µg/L	8.9U	12.4	9.1U	11.7U	11U	9.4	23.9	56.6J	167	1U	0.8U	24.7	24.8
Mn[b]	µg/L	123	117	20.8	170	174	90.1	14.2	96.5	189	165	63.9	118	50.7
Mo[b]	µg/L	5.5	8.7	19	11	12.1	13.6	11	9.5	6.1	11.8	20.3	10.00	14.4
Se[b]	µg/L	3.1	8.4	9.7	7.5	7.7	11.7	7.3	10.5	9.6	10	9.3	19.8	3.10
U[b]	µg/L	65.8	80.5	162	87	93.9	82.5	78	114	119	107	188	157	146
V[b]	µg/L	1.0U	2.8	2.5	4.8	3.9	16.5	14.6	7	7.9	9	1.9	4.90	1.40
Radiological														
Alpha[c,d]	pCi/L	21.8	44.5	87.8	42.5J	44.2	30.1	36.0J	73.4J	67.1	86.0	119	77.0J	61.2
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	0[f]	9.4	0[f]	0[f]	0[f]
Beta[c]	pCi/L	13.0	28.7	47.7	31.7	22.1	26.0	18.7	23.7	7.7U	39.3	32.7	33.1J	28.0
U[b]	µg/L	65.8	80.5	162	87	93.9	82.5	78	114	119	107	188	157	146
U-234[c]	pCi/L	--	--	--	31.4	33.0	31.6	26.5J	41.7	41.8	38.9	58.7	55.2	46.0
U-235[c]	pCi/L	--	--	--	--	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	--	--	--	33.0	33.4	46.5	26.2	43.5	41.0	37.7	69.1	53.6J	56.6

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- Sorenson[a]

Analyte	Unit	10/08/03	04/13/04	10/07/04	04/06/05	10/04/05	04/26/06	10/04/06	04/09/07	10/08/07	04/10/08[g]	10/09/08	04/09/09	10/08/09
Field Measurements														
Alkalinity[b]	mg/L	300	145	262	184	258	210	288	260	260	210	138	255	348
Conductivity[c]	µmhos/cm	1900	1415	1592	902	1687	1448	1774	1602	1860	977	743	1925	2428
DO[c]	mg/L	--	--	--	--	--	--	7.74	--	--	--	--	--	--
pH[c]	s.u.	7.95	8.05	7.41	8.09	8.07	8.10	7.36	8.01	8.38	7.96	7.60	7.84	7.64
Temperature[c]	C	14.1	15.71	14.4	13.11	15.3	17.35	9.9	11.59	13.1	1.69	12.23	4.76	6.25
Common Ions														
Ca[b]	mg/L	221	280	240	140	300	240	350	290	360	140	310	310J	320J
Chloride[b]	mg/L	88.5	56.0	59.0	28.0	62.0	30.0	67.0	45.0	51.0	28.0	170	58.0	130
Fluoride[b]	µg/L	202	210.	200.U	120.	200.U	210.	200.U	200.U	280.	100.	630.	230.	310.
Hardness[b]	mg/L	781	938	809	453	976	793	1130	930	1180	453	1120	1030J	1110J
K[b]	mg/L	7.59	7.90	9.20	3.20	6.50	5.00	7.90	5.00	8.50	2.70	8.70J	5.90J	7.90J
Mg[b]	mg/L	55.6	58.0	51.0	25.0	55.0	47.0	61.0	50.0	69.0	25.0	84.0	63.0	76.0
Na[b]	mg/L	168	99.0	93.0	39.0	79.0	57.0	100	73.0	100	38.0	180	92.0J	170J
NO_3+NO_2 as N[b]	µg/L	560	180.	110.	660.	250.	71	310.	71	240.	400.	340.	240.	720.J
SO_4[b]	mg/L	736	590	540	260	800	670	760	620	950	290	960	780	880
TDS[c]	mg/L	1540	1300	1200	630	1500	1200	1400	1300	1700	690	2000	1500	1800
Metals														
As[b]	µg/L	1.70	0.79	1.2	0.58	0.81	0.73	0.68	0.76	0.74	0.63	1.4	0.6	0.95
Fe[b]	µg/L	23.4	9.8U	7U	7.5U	7.8U	14U	19	3.7U	5.6U	760	3.1U	37	22
Mn[b]	µg/L	125	180	180	82	98	130	140	100	110	75	490	140	220
Mo[b]	µg/L	23.6	19	17	4.2	13	6.6	14	7.5	13	4.6	16	8.1	25
Se[b]	µg/L	13.1	8	4.7	3.6	3	3.3	4.8	5	5.9	3.3	5	9.3	15
U[b]	µg/L	230	150J	160J	34	120	55	110	75	110	38	200	99	300
V[b]	µg/L	1.70	4	1.7	3.9	2.2	4.1	3.1	3.8J	4.2J	5.7	0.96	1	1.1
Radiological														
Alpha[c,d]	pCi/L	107J	95.0	80.2	17.0	--	--	--	--	--	--	--	--	--
Alpha-U[c,e]	pCi/L	0[f]	0[f]	0[f]	0[f]	--	--	--	--	--	--	--	--	--
Beta[c]	pCi/L	64.9	41.1	39.6	13.0	--	--	--	--	--	--	--	--	--
U[b]	µg/L	230	150J	160J	34	120	55	110	75	110	38	200	99	300
U-234[c]	pCi/L	80.6	48.6	55.0	11.4	--	--	--	--	--	--	--	--	--
U-235[c]	pCi/L	3.5	2.8	2.7	0.64	--	--	--	--	--	--	--	--	--
U-238[c]	pCi/L	77.5	47.6	55.2	10.0	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- Sorenson[a]

Analyte	Unit	04/20/10	10/13/10	04/05/11
Field Measurements				
Alkalinity[b]	mg/L	230	284	320
Conductivity[c]	µmhos/cm	825	1860	1970
DO[c]	mg/L	--	--	--
pH[c]	s.u.	8.23	7.57	7.61
Temperature[c]	C	13.2	13.31	9.2
Common Ions				
Ca[b]	mg/L	130	230	283
Chloride[b]	mg/L	27.0	120	60.9
Fluoride[b]	µg/L	170.	260.	223
Hardness[b]	mg/L	419	776	959
K[b]	mg/L	2.70J	11.0J	3.78
Mg[b]	mg/L	23.0	49.0	61.2
Na[b]	mg/L	37.0	120	88.4
NO_3+NO_2 as N[b]	µg/L	610.	590.	269
SO_4[b]	mg/L	250	500	757
TDS[c]	mg/L	620	1200	1530
Metals				
As[b]	µg/L	0.7	2.5	1.70U
Fe[b]	µg/L	7.6	4.9U	35.7
Mn[b]	µg/L	65	100	177
Mo[b]	µg/L	4.6	9.4	9.2
Se[b]	µg/L	6	5.8	6.15
U[b]	µg/L	39	100	124
V[b]	µg/L	3.9	6.9	3.00U
Radiological				
Alpha[c,d]	pCi/L	--	--	--
Alpha-U[c,e]	pCi/L	--	--	--
Beta[c]	pCi/L	--	--	--
U[b]	µg/L	39	100	124
U-234[c]	pCi/L	--	--	--
U-235[c]	pCi/L	--	--	--
U-238[c]	pCi/L	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF[a]

Analyte	Unit	10/05/05	08/01/06	04/10/07	03/10/08	07/23/08	08/25/08	09/23/08	10/15/08	11/24/08	12/29/08
Field Measurements											
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	463	--	--
Alkalinity[b]	mg/L	356	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1615	--	--	--	1497	1648	17.40	1910	1957	2010
DO[c]	mg/L	2.10	--	--	--	--	--	--	2.92	--	--
pH[c]	s.u.	7.22	--	--	--	7.00	7.25	7.06	7.17	6.86	6.66
Temperature[c]	C	12.6	--	--	--	15.6	20.2	18.6	13.70	11.20	8.80
Common Ions											
Ca[b]	mg/L	210	--	--	--	--	--	--	--	--	--
Chloride[b]	mg/L	74.0	--	--	--	--	--	--	--	--	--
Fluoride[b]	µg/L	340.	--	--	--	--	--	--	--	--	--
Hardness[b]	mg/L	693	--	--	--	--	--	--	--	--	--
K[b]	mg/L	13.0	--	--	--	--	--	--	--	--	--
Mg[b]	mg/L	41.0	--	--	--	--	--	--	--	--	--
Na[b]	mg/L	96.0	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	10.U	--	--	--	--	--	--	--	--	--
SO_4[b]	mg/L	480	--	--	--	--	--	--	--	--	--
TDS[c]	mg/L	1200	--	--	--	--	--	--	--	--	--
Metals											
As[c]	µg/L	--	--	--	0.041U	--	--	--	--	--	--
As[b]	µg/L	0.007U	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	--	--	--	--	9300	21000	18000	17000	41000	22000
Fe[b]	µg/L	22000	--	--	--	--	--	--	--	--	--
Mn[b]	µg/L	210	--	--	--	--	--	--	--	--	--
Mo[b]	µg/L	21	--	--	--	--	--	--	--	--	--
Se[c]	µg/L	--	--	--	9.2	--	--	--	--	--	--
Se[b]	µg/L	1.5	5.3	39	--	--	--	--	--	--	--
U[c]	µg/L	--	--	--	--	54	12	14	17	18	100
U[b]	µg/L	3.8	--	--	--	--	--	--	--	--	--
V[b]	µg/L	0.1U	--	--	--	--	--	--	--	--	--
Radiological											
U[c]	µg/L	--	--	--	--	54	12	14	17	18	100
U[b]	µg/L	3.8	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF1[a]

Analyte	Unit	01/28/09	02/10/09	03/11/09	04/09/09	05/06/09	06/11/09	07/07/09	08/03/09	09/08/09	10/07/09	11/10/09	12/14/09	01/06/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	2096	2100	2434	2245	2197	2054	1938	2020	2166	2010	2127	1961	1976
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	6.67	6.88	7.08	7.56	7.25	7.46	7.35	7.31	7.20	7.14	7.22	7.26	7.13
Temperature[c]	C	7.97	6.5	7.9	9.18	9.84	10.40	13.76	13.44	14.41	13.3	11.78	10.30	9.55
Metals														
Fe[c]	µg/L	3500	18000	14000	36000	35000	34000	34000	32000	23000	21000	21000	22000	22000
U[c]	µg/L	290	140	170	2.5	6.1	11	6.7	4.2	2.8	3.5	6.7	9.1	12
Radiological														
U[c]	µg/L	290	140	170	2.5	6.1	11	6.7	4.2	2.8	3.5	6.7	9.1	12

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF1[a]

Analyte	Unit	02/08/10	03/03/10	05/20/10	06/14/10	07/19/10	08/18/10	09/07/10	10/14/10	10/20/10	11/08/10	12/06/10	01/06/11	02/14/11
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	381	--	--	--	--
Conductivity[c]	µmhos/cm	2085	1635	1881	1932	1646	1819	1970	2238	2174	2197	2154	2094	2177
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	3.19
pH[c]	s.u.	6.88	7.44	7.14	7.37	7.61	6.82	7.01	6.46	7.74	7.59	7.43	6.96	7.32
Temperature[c]	C	6.8	13.5	9.68	13.47	26.15	17.06	14.5	12.25	12.29	10.59	10.58	8.73	8.79
Metals														
Fe[c]	µg/L	15000	18000J	13000	18000	2300	15000	13000	49000	37000	39000	34000	20000	24000
U[c]	µg/L	11	16	5.9	7.9	20	19J	79	0.68	0.25	0.67	1.4	120	4.1
Radiological														
U[c]	µg/L	11	16	5.9	7.9	20	19J	79	0.68	0.25	0.67	1.4	120	4.1

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF1[a]

Analyte	Unit	03/21/11	04/05/11
Field Measurements			
Alkalinity[c]	mg/L	--	--
Conductivity[c]	µmhos/cm	2196	2070
DO[c]	mg/L	--	--
pH[c]	s.u.	6.95	6.95
Temperature[c]	C	7.55	6.7
Metals			
Fe[c]	µg/L	23000	24000
U[c]	µg/L	5.7	4.7
Radiological			
U[c]	µg/L	5.7	4.7

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF2[a]

Analyte	Unit	04/10/07	03/10/08	07/23/08	08/25/08	09/23/08	10/15/08	11/24/08	12/29/08	01/28/09	02/10/09	03/11/09	04/09/09	05/06/09
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	380	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	--	--	1487	1649	1746	1917	1938	1998	2067	2070	2440	2223	2191
DO[c]	mg/L	--	--	--	--	--	3.05	--	--	--	--	--	--	--
pH[c]	s.u.	--	--	7.01	7.13	7.00	7.22	7.11	6.84	6.94	7.10	7.01	7.73	7.34
Temperature[c]	C	--	--	15.6	19.5	19.4	13.61	11.51	8.55	7.52	6.9	7.61	9.36	9.94
Metals														
As[c]	µg/L	--	0.041U	--	--	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	--	--	8000	14000	14000	24000	31000	28000	21000	24000	13000	37000	33000
Se[c]	µg/L	--	8.2	--	--	--	--	--	--	--	--	--	--	--
Se[b]	µg/L	75	--	--	--	--	--	--	--	--	--	--	--	--
U[c]	µg/L	--	--	92	96	68	60	55	66	120	63	190	1.7	4
Radiological														
U[c]	µg/L	--	--	92	96	68	60	55	66	120	63	190	1.7	4

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF2[a]

Analyte	Unit	06/11/09	07/07/09	08/03/09	09/08/09	10/07/09	11/10/09	12/14/09	01/06/10	02/08/10	03/03/10	05/20/10	06/14/10	07/19/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	2060	1948	2006	2198	2035	2143	1963	2020	2080	1656	1836	1925	1704
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.58	7.53	7.35	7.26	7.32	7.43	7.39	7.13	6.97	7.48	7.21	7.31	7.5
Temperature[c]	C	10.33	12.12	14.01	14.04	13.4	11.88	9.87	9.06	6.4	13.30	10.15	12.74	25.76
Metals														
As[c]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	36000	35000	33000	28000	29000	33000	25000	26000	17000	22000J	12000	13000	1600
Se[c]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Se[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
U[c]	µg/L	7.2	6.8	3.8	2.3	1.1	3.3	3.4	4.9	9.9	6.4	1.9	22	14
Radiological														
U[c]	µg/L	7.2	6.8	3.8	2.3	1.1	3.3	3.4	4.9	9.9	6.4	1.9	22	14

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCEFF2[a]

Analyte	Unit	08/18/10	09/07/10	10/14/10	10/20/10	11/08/10	12/06/10	01/06/11	02/14/11	03/21/11	04/05/11
Field Measurements											
Alkalinity[c]	mg/L	--	--	--	388	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1848	1955	2246	2164	2190	2149	2134	2157	2176	2040
DO[c]	mg/L	--	--	--	--	--	--	--	3.40	--	--
pH[c]	s.u.	7.08	6.67	6.56	7.44	7.47	7.30	6.83	7.03	6.93	7.16
Temperature[c]	C	17.01	14.5	12.36	12.11	10.32	10.20	8.76	8.46	7.43	6.8
Metals											
As[c]	µg/L	--	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	11000	13000	34000	28000	33000	28000	24000	15000	14000	15000
Se[c]	µg/L	--	--	--	--	--	--	--	--	--	--
Se[b]	µg/L	--	--	--	--	--	--	--	--	--	--
U[c]	µg/L	26	78	27	28	9.6	18	75	51	48	60
Radiological											
U[c]	µg/L	26	78	27	28	9.6	18	75	51	48	60

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCINF[a]

Analyte	Unit	10/05/05	08/01/06	04/10/07	03/10/08	07/23/08	08/25/08	09/23/08	10/15/08	11/24/08	12/29/08	01/28/09	02/10/09	03/11/09
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	156	--	--	--	--	--
Alkalinity[b]	mg/L	194	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1575	--	--	--	1497	1709	1813	1897	1946	2011	2065	2090	2452
DO[c]	mg/L	4.78	--	--	--	--	--	--	4.51	--	--	--	--	--
pH[c]	s.u.	6.77	--	--	--	6.78	6.93	6.65	6.94	6.80	6.18	6.88	6.53	6.87
Temperature[c]	C	12.7	--	--	--	15.4	16.0	16.51	15.35	11.40	8.94	8.07	6.6	8.06
Common Ions														
Ca[b]	mg/L	210	--	--	--	--	--	--	--	--	--	--	--	--
Chloride[b]	mg/L	75.0	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride[b]	µg/L	350.	--	--	--	--	--	--	--	--	--	--	--	--
Hardness[b]	mg/L	693	--	--	--	--	--	--	--	--	--	--	--	--
K[b]	mg/L	13.0	--	--	--	--	--	--	--	--	--	--	--	--
Mg[b]	mg/L	41.0	--	--	--	--	--	--	--	--	--	--	--	--
Na[b]	mg/L	100	--	--	--	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	2700.	--	--	--	--	--	--	--	--	--	--	--	--
SO_4[b]	mg/L	480	--	--	--	--	--	--	--	--	--	--	--	--
TDS[c]	mg/L	1200	--	--	--	--	--	--	--	--	--	--	--	--
Metals														
As[c]	µg/L	--	--	--	9	--	--	--	--	--	--	--	--	--
As[b]	µg/L	10	--	--	--	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	--	--	--	--	3.1UJ	3.1U	3.1U	3.1U	22U	27	1.3U	1.3U	1.3U
Fe[b]	µg/L	7.8U	--	--	--	--	--	--	--	--	--	--	--	--
Mn[b]	µg/L	15	--	--	--	--	--	--	--	--	--	--	--	--
Mo[b]	µg/L	50	--	--	--	--	--	--	--	--	--	--	--	--
Se[c]	µg/L	--	--	--	75J	--	--	--	--	--	--	--	--	--
Se[b]	µg/L	32	41	47	--	--	--	--	--	--	--	--	--	--
U[c]	µg/L	--	--	--	--	260	280	350	350	360	350	340	330	330
U[b]	µg/L	270	--	--	--	--	--	--	--	--	--	--	--	--
V[b]	µg/L	320	--	--	--	--	--	--	--	--	--	--	--	--
Radiological														
U[c]	µg/L	--	--	--	--	260	280	350	350	360	350	340	330	330
U[b]	µg/L	270	--	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCINF[a]

Analyte	Unit	04/09/09	05/06/09	06/11/09	07/07/09	08/03/09	09/08/09	10/07/09	11/10/09	12/14/09	01/06/10	02/08/10	03/03/10	05/20/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Alkalinity[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	2268	2225	2021	1893	2022	2120	1995	2107	1926	2029	2120	1543	1894
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	6.98	6.59	6.93	6.80	6.28	6.76	6.97	6.91	6.88	6.65	6.79	7.15	6.97
Temperature[c]	C	9.45	10.68	10.73	12.78	13.56	17.22	13.32	12.12	8.70	9.36	6.6	10.60	9.31
Common Ions														
Ca[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardness[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
K[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Mg[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Na[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
SO_4[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
TDS[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals														
As[c]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
As[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	15	11J	1.3U	19J	1.6U	1.6UJ	9.3J	1.4U	1.4U	13U	1.4U	4.9U	4.9U
Fe[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Mn[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Mo[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Se[c]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Se[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
U[c]	µg/L	360	340	310	310	340	350	350	340	340	330	320	350	220
U[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
V[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Radiological														
U[c]	µg/L	360	340	310	310	340	350	350	340	340	330	320	350	220
U[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCINF[a]

Analyte	Unit	06/14/10	07/19/10	08/18/10	09/07/10	10/14/10	10/20/10	11/08/10	12/06/10	01/06/11	02/14/11	03/21/11	04/05/11
Field Measurements													
Alkalinity[c]	mg/L	--	--	--	--	--	344	--	--	--	--	--	--
Alkalinity[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	2006	1768	1977	1960	2234	2116	2163	2115	2114	2143	2174	2040
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	6.10	--	--
pH[c]	s.u.	6.50	6.81	6.69	6.54	6.49	6.98	6.95	6.80	6.57	6.75	6.70	6.72
Temperature[c]	C	10.63	23.8	12.88	14.3	13.07	12.34	10.56	10.10	9.01	7.91	7.53	7.1
Common Ions													
Ca[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
Chloride[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Hardness[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
K[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
Mg[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
Na[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
NO_3+NO_2 as N[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
SO_4[b]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
TDS[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--
Metals													
As[c]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
As[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Fe[c]	µg/L	7.4	1400	4.9U	4.9U	4.9U	22U	22U	22U	22U	22U	22U	22U
Fe[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Mn[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Mo[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Se[c]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Se[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
U[c]	µg/L	240	240	310	300	350	340	320J	340	330	330	300	330
U[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
V[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Radiological													
U[c]	µg/L	240	240	310	300	350	340	320J	340	330	330	300	330
U[b]	µg/L	--	--	--	--	--	--	--	--	--	--	--	--

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCOUT[a]

Analyte	Unit	07/23/08	08/25/08	12/29/08	01/28/09	02/10/09	03/11/09	04/09/09	05/06/09	06/11/09	07/07/09	08/03/09	09/08/09	10/07/09
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity[c]	µmhos/cm	1496	1664	1986	2034	2055	2423	2235	2176	2059	1935	1973	2165	2041
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.06	7.16	6.94	7.12	7.21	7.15	7.61	7.35	7.47	7.39	7.26	7.19	7.22
Temperature[c]	C	15.8	20.4	9.17	7.77	6.4	7.92	7.92	10.02	10.30	12.58	13.69	14.24	14.11
Metals														
Fe[c]	µg/L	10000	15000	23000	18000	18000	13000	34000	33000	34000	34000	30000	26000	23000
U[c]	µg/L	39	62	94	130	130	180	2.6	6.3	8.7	7	4.2	3.3	2.9
Radiological														
U[c]	µg/L	39	62	94	130	130	180	2.6	6.3	8.7	7	4.2	3.3	2.9

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCOUT[a]

Analyte	Unit	11/10/09	12/14/09	01/06/10	02/08/10	03/03/10	05/20/10	06/14/10	07/22/10	08/18/10	09/07/10	10/14/10	10/20/10	11/08/10
Field Measurements														
Alkalinity[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	374	--
Conductivity[c]	µmhos/cm	2132	1943	1962	2080	1672	1908	1917	1750	1832	1950	2238	2143	2182
DO[c]	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
pH[c]	s.u.	7.35	7.33	7.09	7.00	7.42	6.86	7.34	7.09	7.20	6.91	6.68	7.49	7.37
Temperature[c]	C	11.96	9.50	8.88	7.0	13.95	10.90	13.07	12.71	16.90	14.1	12.36	12.42	10.32
Metals														
Fe[c]	µg/L	26000	35000	24000	19000	20000J	12000	14000	13000	12000	11000	44000	32000	34000
U[c]	µg/L	5.3	6.8	8.8	8.4	11	4.7	15	44	26	62	9	17	7.5
Radiological														
U[c]	µg/L	5.3	6.8	8.8	8.4	11	4.7	15	44	26	62	9	17	7.5

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.

Downstream -- TCOUT[a]

Analyte	Unit	12/06/10	01/06/11	02/14/11	03/21/11	04/05/11
Field Measurements						
Alkalinity[c]	mg/L	--	--	--	--	--
Conductivity[c]	µmhos/cm	2138	2099	2136	2194	2060
DO[c]	mg/L	--	--	5.23	--	--
pH[c]	s.u.	7.34	6.99	7.19	7.15	7.26
Temperature[c]	C	10.23	8.88	10.10	7.37	6.9
Metals						
Fe[c]	µg/L	33000	22000	22000	19000	20000
U[c]	µg/L	8.5	150	16	18	29
Radiological						
U[c]	µg/L	8.5	150	16	18	29

[a] Definition of Qualifiers: -- – No Data. R – Data unusable. J – Estimated quantity. U – Not detected; value is sample detection limit. UJ – Not detected, associated value is estimated.
[b] Sample was filtered in the field.
[c] Sample was unfiltered.
[d] Total gross alpha excluding radon which is lost during analysis.
[e] Gross alpha minus uranium activity. Result rounded as appropriate.
[f] Uranium activity greater than gross alpha.
[g] All samples were unfiltered in April 2008.