

GLACIAL RIDGE GROUND-WATER WATER QUALITY

MISCELLANEOUS STATION ANALYSES

Date	Time	Sample type	Depth to water level, feet below LSD (72019)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, water field, mg/L as CaCO3 (39086)
474135096203001 G01-R			149N44W30CAAD			0000620661 (LAT 47 41 34N LONG 096 20 30W)						
OCT 2004 13...	1730	Environmental	3.30	1,070	736	9.3	90	6.7	868	5.5	12.3	467
APR 2005 14...	1000	Environmental	--	--	739	--	--	6.5	895	12.0	4.0	487
JUN 01...	1730	Environmental	--	39	730	.8	7	6.4	867	24.0	10.0	458
JUL 01...	0930	Environmental	--	--	733	.3	3	7.2	889	920	12.5	467
AUG 10...	1430	Environmental	--	--	736	.8	8	6.8	890	23.0	15.2	464
SEP 21...	1330	Environmental	--	--	729	.3	4	8.3	880	22.0	15.1	482
474346096185501 G08-R			149N44W17ABAD			0000620668 (LAT 47 43 45N LONG 096 18 54W)						
OCT 2004 13...	0900	Environmental	6.10	110	738	7.7	73	7.5	1,040	6.8	11.3	368
13...	0905	9 S	--	420	738	7.7	73	7.5	1,040	6.8	11.3	--
APR 2005 13...	1000	Environmental	--	--	740	--	--	6.3	841	14.0	4.4	297
MAY 24...	1030	Environmental	--	1,190	733	.1	.0	7.1	1,030	15.5	7.7	314
24...	1730	Blank	--	--	--	--	--	--	180	--	--	2
JUN 30...	1900	Environmental	--	--	728	1.7	16	7.0	1,120	16.5	11.3	341
AUG 11...	1600	Environmental	--	--	7	.9	.0	7.2	1,140	20.0	13.2	345
SEP 22...	1530	Environmental	--	--	737	.4	4	6.5	1,010	19.5	13.9	351
474129096145202 G09			149N44W26DDCA			0000620669 (LAT 47 41 29N LONG 096 14 52W)						
OCT 2004 14...	1400	Environmental	3.29	9.4	720	.3	3	7.4	534	5.5	9.1	260
APR 2005 13...	1300	Environmental	--	--	738	--	--	7.1	519	17.0	3.6	247
JUN 02...	1330	Environmental	--	26	725	.3	3	7.1	526	20.0	7.5	263
30...	1600	Environmental	--	--	724	<.2	--	7.1	521	15.0	9.0	265
AUG 10...	1030	Environmental	--	--	735	3.2	30	7.6	524	21.5	11.5	254
SEP 20...	1100	Environmental	--	--	731	M	.0	7.6	566	20.5	11.4	278
474128096175501 G13			149N44W28CADD			0000620673 (LAT 47 41 28N LONG 096 17 55W)						
OCT 2004 13...	1400	Environmental	7.18	5.9	734	5.9	56	7.3	785	8.5	10.9	458
APR 2005 12...	1100	Environmental	--	130	729	6.5	53	7.0	725	7.5	4.2	394
MAY 27...	1100	Environmental	--	2.6	727	7.4	64	7.4	717	8.0	7.0	445
JUN 28...	1700	Environmental	--	--	731	7.1	70	7.7	666	--	12.2	374
AUG 11...	1430	Environmental	--	--	729	6.1	59	7.3	728	17.5	11.9	414
SEP 21...	1530	Environmental	--	--	728	5.6	55	8.9	744	21.0	12.6	425

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	Data base number
474135096203001 G01-R 149N44W30CAAD 0000620661 (LAT 47 41 34N LONG 096 20 30W)									
OCT 2004									
13...	570	.0	.22	<.06	<.008	<.006	.018	.83	01
APR 2005									
14...	594	--	.20	<.06	<.008	<.006	.015	1.05	01
JUN									
01...	559	--	.14	<.06	<.008	<.006	.013	.94	01
JUL									
01...	569	.0	.15	<.06	<.008	.013	.021	1.00	01
AUG									
10...	565	.0	.20	<.06	E.005	<.006	.023	.99	01
SEP									
21...	587	.0	.18	<.06	E.004	<.006	.019	.93	01
474346096185501 G08-R 149N44W17ABAD 0000620668 (LAT 47 43 45N LONG 096 18 54W)									
OCT 2004									
13...	449	.0	E.02	30.4	.036	E.003	.005	30.9	01
13...	--	--	E.02	29.9	.037	<.006	.006	31.3	77
APR 2005									
13...	362	--	<.04	35.2	.017	<.006	E.003	36.3	01
MAY									
24...	383	--	<.04	41.9	.018	E.004	E.003	44.6	01
24...	2	--	<.04	<.06	<.008	<.006	<.004	<.06	77
JUN									
30...	415	.0	<.04	55.5	.023	<.006	E.003	53.8	01
AUG									
11...	419	.0	<.04	45.8	.066	<.006	E.003	45.0	01
SEP									
22...	426	.0	<.04	34.5	.054	E.003	.009	33.4	01
474129096145202 G09 149N44W26DDCA 0000620669 (LAT 47 41 29N LONG 096 14 52W)									
OCT 2004									
14...	318	.0	<.04	3.77	.051	<.006	.005	4.22	01
APR 2005									
13...	302	--	<.04	5.47	.031	<.006	.006	6.07	01
JUN									
02...	321	--	<.04	3.67	.051	<.006	E.004	4.14	01
30...	322	.0	<.04	3.11	.038	<.006	E.004	3.72	01
AUG									
10...	308	.0	<.04	1.95	.034	<.006	.007	2.52	01
SEP									
20...	339	.0	<.04	4.01	.069	<.006	.006	4.55	01
474128096175501 G13 149N44W28CADD 0000620673 (LAT 47 41 28N LONG 096 17 55W)									
OCT 2004									
13...	559	.0	<.04	.09	<.008	<.006	<.004	.27	01
APR 2005									
12...	481	--	<.04	.07	<.008	<.006	E.003	.24	01
MAY									
27...	543	--	<.04	E.05	<.008	<.006	<.004	.28	01
JUN									
28...	453	1	<.04	.06	<.008	<.006	E.003	.34	01
AUG									
11...	504	.0	<.04	E.05	<.008	<.006	E.003	.26	01
SEP									
21...	515	1	<.04	.07	<.008	<.006	E.003	.23	01

GLACIAL RIDGE GROUND-WATER WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Time	Sample type	Depth to water level, feet below LSD (72019)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, water field, mg/L as CaCO ₃ (39086)
473841096153101 G15-R 148N44W10CCCC			0000620675 (LAT 47 38 40N LONG 096 15 30W)									
OCT 2004 15...	0900	Environmental	3.06	85	721	.3	3	7.7	653	1.5	10.0	207
APR 2005 14...	0800	Environmental	--	--	736	--	--	6.5	657	6.5	3.4	205
	0801	Replicate	--	--	--	--	--	--	--	--	--	--
MAY 26...	1830	Environmental	--	63	727	.1	.0	7.8	649	12.0	5.8	208
JUN 30...	1200	Environmental	--	--	721	<.2	--	7.4	661	14.5	9.2	205
	1202	Replicate	--	--	721	<.2	--	7.3	665	14.5	9.1	205
AUG 09...	1700	Environmental	--	--	731	7.2	72	8.2	618	27.5	13.1	193
SEP 22...	1000	Environmental	--	--	735	.3	3	7.6	658	10.5	12.0	209
474221096120901 G16 149N43W19DADD			0000620676 (LAT 47 42 21N LONG 096 12 08W)									
OCT 2004 15...	1145	Environmental	3.71	6.2	722	4.6	43	7.5	405	4.0	10.1	209
APR 2005 11...	1500	Environmental	--	5.9	724	2.4	19	7.1	387	10.0	3.9	208
JUN 01...	1130	Environmental	--	.0	730	5.2	46	7.0	393	18.0	7.5	202
	0900	Environmental	--	--	727	4.8	44	7.2	392	16.5	9.2	195
AUG 11...	1000	Environmental	--	--	730	5.6	53	7.7	388	14.0	11.2	193
SEP 22...	1330	Environmental	--	--	735	4.7	45	7.9	397	21.5	12.1	202
	1332	Replicate	--	--	735	4.4	42	7.3	399	21.5	11.9	204
474125096120602 G22S-R 149N43W29CCBB			0000620682 (LAT 47 41 25N LONG 096 12 05W)									
OCT 2004 15...	1045	Environmental	21.89	300	720	8.5	77	7.2	1,460	2.5	8.3	285
APR 2005 12...	0800	Environmental	--	94	724	9.2	81	7.0	1,080	--	7.6	261
JUN 01...	1430	Environmental	--	23	729	6.2	58	6.8	1,200	25.0	10.2	278
	1200	Environmental	--	--	724	8.3	77	7.3	1,190	16.5	9.5	266
AUG 11...	1200	Environmental	--	--	729	10.2	100	7.4	1,160	18.0	12.2	258
	1305	Blank	--	--	728	9.0	103	6.5	2	15.5	19.6	--
SEP 22...	1200	Environmental	--	--	734	8.1	76	7.5	1,180	16.0	10.7	274
473945096202401 E01D-R 148N45W01CBDD L107			0000516287 (LAT 47 39 44N LONG 096 20 24W)									
OCT 2004 14...	1130	Environmental	--	46	725	.3	3	7.8	740	7.0	8.1	389
APR 2005 12...	1300	Environmental	--	--	731	--	--	6.4	715	8.5	6.8	354
MAY 26...	1500	Environmental	--	6.2	729	.1	.0	8.0	738	11.5	7.8	351
JUN 30...	1000	Environmental	--	--	722	<.2	--	7.6	732	16.0	11.4	375
AUG 09...	1330	Environmental	--	--	733	.4	4	8.3	742	25.5	15.1	363
SEP 21...	1130	Environmental	--	--	729	.2	2	9.4	746	21.0	11.5	373

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)
473841096153101 G15-R 148N44W10CCCC 15 30W) 0000620675 (LAT 47 38 40N LONG 096								
OCT 2004								
15...	252	.0	<.04	10.9	.659	.006	.011	11.2
APR 2005								
14...	250	--	<.04	13.5	.400	E.004	.011	14.0
14...	--	--	<.04	13.5	.382	E.005	.010	14.1
MAY								
26...	253	--	<.04	13.9	.287	E.004	.011	14.3
JUN								
30...	249	.0	<.04	14.3	.336	E.005	.012	13.5
30...	250	.0	<.04	15.2	.245	.007	.011	14.1
AUG								
09...	234	.0	<.04	14.0	.303	.007	.012	14.3
SEP								
22...	254	.0	<.04	13.3	.439	.007	.011	14.2
474221096120901 G16 149N43W19DADD 12 08W) 0000620676 (LAT 47 42 21N LONG 096								
OCT 2004								
15...	255	.0	<.04	.80	.011	<.006	E.003	.88
APR 2005								
11...	254	--	<.04	.60	.011	<.006	.004	.70
JUN								
01...	246	--	<.04	.97	.008	<.006	<.004	1.03
29...	237	.0	<.04	.99	E.006	<.006	E.004	1.16
AUG								
11...	235	.0	<.04	1.01	E.005	<.006	E.003	1.14
SEP								
22...	246	.0	<.04	.86	E.006	<.006	E.004	1.00
22...	248	.0	<.04	.96	E.005	<.006	.004	1.10
474125096120602 G22S-R 149N43W29CCBB 12 05W) 0000620682 (LAT 47 41 25N LONG 096								
OCT 2004								
15...	347	.0	<.04	112	<.008	<.006	.004	116
APR 2005								
12...	318	--	<.04	70.3	<.008	E.005	.005	65.2
JUN								
01...	339	--	<.04	69.8	<.008	<.006	E.003	66.5
29...	324	.0	<.04	69.4	<.008	E.003	.006	68.7
AUG								
11...	313	.0	<.04	68.7	<.008	<.006	.004	65.7
11...	--	--	<.04	<.06	<.008	<.006	<.004	<.06
SEP								
22...	333	.0	<.04	69.9	<.008	E.003	.006	71.8
473945096202401 E01D-R 148N45W01CBDD L107 096 20 24W) 0000516287 (LAT 47 39 44N LONG								
OCT 2004								
14...	475	.0	3.64	<.06	<.008	.276	.27	3.80
APR 2005								
12...	431	--	3.37	<.06	<.008	.289	.27	3.82
MAY								
26...	429	--	3.51	<.06	<.008	.227	.093	3.83
JUN								
30...	456	.0	3.48	<.06	<.008	.252	.27	3.77
AUG								
09...	436	3	3.45	<.06	E.006	.248	.28	3.74
SEP								
21...	448	3	3.35	<.06	<.008	.280	.28	3.75

GLACIAL RIDGE GROUND-WATER WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Time	Sample type	Depth to water level, feet below LSD (72019)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, water field, mg/L as CaCO ₃ (39086)
473945096202402 E01S-R 148N45W01CBDD L000 0000249810 (LAT 47 39 44N LONG 096 20 24W)												
OCT 2004 14...	0945	Environmental	6.51	3.2	725	3.4	31	7.3	716	7.0	8.9	350
APR 2005 12...	1400	Environmental	--	3,020	731	2.9	24	7.1	655	7.5	5.6	261
MAY 26...	1400	Environmental	--	10	729	2.0	18	7.6	650	12.0	7.0	268
JUN 29...	1630	Environmental	--	--	723	6.7	62	7.4	642	19.0	9.8	290
AUG 09...	0930	Environmental	--	--	733	4.1	40	8.1	607	21.5	12.0	260
SEP 21...	1000	Environmental	--	--	729	6.1	59	8.8	578	21.5	11.2	264
474129096145201 E02D 149N44W26DACD Stock well near G09S (LAT 47 41 29N LONG 096 14 52W)												
OCT 2004 14...	1530	Environmental	11.29	12	720	.2	2	7.6	610	5.5	7.2	316
APR 2005 13...	1500	Environmental	--	180	738	.0	.0	7.3	557	19.0	6.8	308
JUN 02...	1430	Environmental	--	30	725	--	--	7.4	599	22.0	7.8	323
JUL 01...	1100	Environmental	--	--	731	.5	4	8.4	624	22.5	7.9	324
AUG 10...	1230	Environmental	--	--	734	.4	4	7.9	610	20.5	9.0	298
SEP 20...	1330	Environmental	--	--	732	.3	3	8.3	608	24.5	8.8	317
474436096140801 E03-R 149N44W12BADA S12 Ob. Well 1 0000654754 (LAT 47 44 35N LONG 096 14 07W)												
OCT 2004 15...	1500	Environmental	7.22	120	723	.4	4	7.3	716	2.5	7.8	316
APR 2005 13...	1630	Environmental	--	1,820	739	--	--	6.9	687	21.5	7.5	291
JUN 02...	1000	Environmental	--	20	726	.8	7	7.0	713	22.0	8.3	305
JUL 01...	1500	Environmental	--	--	731	1.1	10	7.8	728	26.0	9.1	306
AUG 10...	1700	Environmental	--	--	734	.8	8	7.5	721	24.5	9.4	306
SEP 20...	1600	Environmental	--	--	732	.9	8	8.7	715	23.5	9.4	294
474708096261801 L043 150N45W29ADAA Gently (LAT 47 47 08N LONG 096 26 18W)												
OCT 2004 14...	0800	Environmental	15.56	160	730	9.4	82	7.7	512	4.0	7.8	277
APR 2005 13...	0730	Environmental	--	--	742	9.9	83	7.4	414	3.5	6.4	236
MAY 27...	0900	Environmental	--	1.0	730	8.1	70	7.7	452	8.0	7.0	253
JUN 28...	1930	Environmental	--	--	735	6.2	58	8.0	469	23.0	10.9	250
AUG 12...	1000	Environmental	--	--	732	10.9	99	7.8	464	16.5	9.3	245
SEP 23...	1000	Environmental	--	--	740	9.4	85	8.3	464	14.0	9.6	253

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)
473945096202402 E01S-R 148N45W01CBDD L000 096 20 24W) 0000249810 (LAT 47 39 44N LONG								
OCT 2004								
14...	428	.0	.10	9.50	.014	E.004	.004	10.4
APR 2005								
12...	318	--	.06	13.4	<.008	<.006	.004	13.9
MAY								
26...	327	--	E.03	12.2	<.008	<.006	.005	12.8
JUN								
29...	353	.0	E.04	10.6	<.008	E.003	.006	10.5
AUG								
09...	314	1	.04	8.08	.008	E.003	.006	8.61
SEP								
21...	321	.0	E.04	6.46	<.008	E.003	.005	6.90
474129096145201 E02D 149N44W26DACD Stock well near G09S (LAT 47 41 29N LONG 096 14 52W)								
OCT 2004								
14...	386	.0	.90	<.06	<.008	.055	.060	.96
APR 2005								
13...	376	--	.91	<.06	<.008	.019	.020	1.02
JUN								
02...	394	--	.90	<.06	<.008	.033	.019	.99
JUL								
01...	393	1	.87	<.06	<.008	.046	.053	.99
AUG								
10...	362	1	.94	<.06	E.005	.038	.068	1.05
SEP								
20...	386	.0	--	--	--	--	--	--
474436096140801 E03-R 149N44W12BADA S12 Ob. Well 1 0000654754 (LAT 47 44 35N LONG 096 14 07W)								
OCT 2004								
15...	386	.0	<.04	5.56	.073	<.006	E.003	5.93
APR 2005								
13...	355	--	<.04	6.21	.039	E.004	.007	6.22
JUN								
02...	372	--	<.04	6.43	.027	E.003	E.003	6.23
JUL								
01...	372	.0	<.04	7.74	.037	E.003	E.004	7.74
AUG								
10...	373	.0	<.04	4.79	.055	E.003	.006	4.93
SEP								
20...	358	.0	<.04	7.55	.060	<.006	.006	7.69
474708096261801 L043 150N45W29ADAA Gentilly (LAT 47 47 08N LONG 096 26 18W)								
OCT 2004								
14...	337	.0	<.04	1.46	<.008	E.003	.006	1.69
APR 2005								
13...	288	--	<.04	1.17	<.008	<.006	.004	1.33
MAY								
27...	309	--	<.04	.90	<.008	<.006	E.004	.99
JUN								
28...	303	.0	<.04	.87	<.008	E.005	.004	1.11
AUG								
12...	298	.0	<.04	1.03	<.008	<.006	.004	1.22
SEP								
23...	306	1	<.04	.96	<.008	<.006	.005	1.11