

ANNEX IX: APPENDIX C

DIAVIK GROUNDWATER QUALITY DATA



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**Table C-1 Elevation of Groundwater Samples at Diavik Mine,
1996 and 1997 Sampling Program**

Location	Elevation (masl)	Date Entered	Entered By	Document Number
SEEP-001	349.0	20-Aug-97	JSB	DB-222
SEEP-002	340.0	20-Aug-97	JSB	DB-222
SEEP-003	332.5	20-Aug-97	JSB	DB-222
SEEP-004	321.0	20-Aug-97	JSB	DB-222
SEEP-005	305.0	20-Aug-97	JSB	DB-222
SEEP-006	298.0	20-Aug-97	JSB	DB-222
SEEP-007	278.0	20-Aug-97	JSB	DB-222
SEEP-008	274.2	20-Aug-97	JSB	DB-222
SEEP-009	270.0	20-Aug-97	JSB	DB-222
SEEP-010	254.5	20-Aug-97	JSB	DB-222
SEEP-011	264.5	20-Aug-97	JSB	DB-222
SEEP-012	266.5	20-Aug-97	JSB	DB-222
SEEP-013	265.0	20-Aug-97	JSB	DB-222
SEEP-A418	268.0	20-Aug-97	JSB	DB-222
PORT-A	338.0	20-Aug-97	JSB	DB-222
PORT-B	278.0	20-Aug-97	JSB	DB-222
PORT-C	264.5	20-Aug-97	JSB	DB-222
PORT-D	265.0	20-Aug-97	JSB	DB-222
PORT-E	297.5	20-Aug-97	JSB	DB-222
PORT-F	321.0	20-Aug-97	JSB	DB-222
PORT-G	349.0	20-Aug-97	JSB	DB-222
PORT-H	268.0	20-Aug-97	JSB	DB-222
WSH-A154	266.0	20-Aug-97	JSB	DB-222
PIPE A154-025	208.38	20-Aug-97	JSB	DB-222
PIPE A154-025	188.32	20-Aug-97	JSB	DB-222
PIPE A154-025	150.38	20-Aug-97	JSB	DB-222
PIPE A154-026	222.34	20-Aug-97	JSB	DB-222
PIPE A154-026	221.06	20-Aug-97	JSB	DB-222
PIPE A154-026	152.62	20-Aug-97	JSB	DB-222
PIPE A154-027	235.39	20-Aug-97	JSB	DB-222
PIPE A154-027	180.61	20-Aug-97	JSB	DB-222
PIPE A154-027	175.69	20-Aug-97	JSB	DB-222
PIPE A154-028	157.93	20-Aug-97	JSB	DB-222
PIPE A154-028	119.28	20-Aug-97	JSB	DB-222
PIPE A154-028	53.16	20-Aug-97	JSB	DB-222

**Table C-1 Elevation of Groundwater Samples at Diavik Mine,
1996 and 1997 Sampling Program**

Location	Elevation (masl)	Date Entered	Entered By	Document Number
PIPE A154-028	10.55	20-Aug-97	JSB	DB-222
PIPE A154-029	278.37	20-Aug-97	JSB	DB-222
PIPE A154-029	202.56	20-Aug-97	JSB	DB-222
PIPE A154-029	148.90	20-Aug-97	JSB	DB-222
PIPE A154-029	112.99	20-Aug-97	JSB	DB-222
PIPE A154-029	56.10	20-Aug-97	JSB	DB-222
PIPE A154-029	20.85	20-Aug-97	JSB	DB-222
PIPE A154-030	111.09	20-Aug-97	JSB	DB-222
PIPE A154-030	27.69	20-Aug-97	JSB	DB-222
PIPE A418-016	182.74	20-Aug-97	JSB	DB-222
PIPE A418-016	128.68	20-Aug-97	JSB	DB-222
PIPE A418-016	80.34	20-Aug-97	JSB	DB-222

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

masl = metres above sea level.

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part A

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Alkalinity as CaCO ₃ (mg/L)	Aluminum		Ammonia-N (mg/L)	Antimony		Arsenic		Barium		Beryllium		Bicarbonate (mg/L)	Boron		Bromide (mg/L)	Cadmium		Calcium	
							Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	180	0.016	0.171	0.36	0.0001	0.0001	0.0004	0.0004	—	—	—	—	149	—	—	1.7	0.0001	0.0001	7.54	7.88
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	181.91	0.006	0.016	0.5	0.0001	0.0001	0.0004	0.0004	—	—	—	—	174	—	—	2.1	0.0001	0.0001	9.5	10
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	173.39	0.008	0.096	0.17	0.0001	0.0001	0.0024	0.003	0.181	0.197	0.0001	0.0001	221	0.03	0.03	2.8	0.001	0.0008	34.1	36.6
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	179	0.002	0.013	0.93	0.0001	0.0001	0.0001	0.0001	0.44	0.436	0.0001	0.0001	94.9	0.02	0.02	1.1	0.0009	0.0001	1.26	1.29
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	182.14	0.003	0.009	0.72	0.0001	0.0001	0.0005	0.0001	0.407	0.394	0.0001	0.0001	87.7	0.005	0.005	1.1	0.0001	0.0001	1.23	1.25
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	161.2	0.005	—	0.2	0.0001	—	0.0002	—	0.347	—	0.0001	—	189	0.03	—	2.2	0.0011	—	17.1	—
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	146.59	0.03	0.788	0.19	0.0001	0.0001	0.0011	0.0001	0.136	0.147	0.0001	0.0001	196	0.03	0.03	2.6	0.0001	0.0004	41.5	41.8
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	152.83	0.0005	0.004	0.24	0.0003	0.0014	0.001	0.0012	0.113	0.108	0.0001	0.0001	195	0.005	0.005	2.8	0.0026	0.0024	42.9	42.9
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	115.91	0.013	—	0.66	0.0001	—	0.0003	—	0.417	—	0.0001	—	102	0.05	—	5.5	0.0006	—	36.7	—
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	186.36	0.011	0.306	0.2	0.0002	0.0001	0.0012	0.0014	0.11	0.123	0.0001	0.0001	200	0.03	0.03	2.8	0.0002	0.0003	40.4	40.4
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	—	0.006	—	0.21	0.0001	—	0.0009	—	0.2	—	0.0001	—	196	0.03	—	2.9	0.0003	—	37.1	—
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	166	0.006	—	0.18	0.0001	—	0.0011	—	0.186	—	0.0001	—	193	0.03	—	2.7	0.0001	—	41.8	—
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	130.7	0.004	0.757	0.34	0.0004	0.0004	0.0007	0.0021	0.408	0.5515	0.0001	0.0001	173	0.02	0.0125	—	0.0001	0.0001	30.5	31.6
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	162	0.003	—	0.08	0.0003	—	0.0083	—	0.0451	—	0.0001	—	211	0.02	—	1.9	0.0006	—	36.8	—
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	172.11	0.002	0.009	0.15	0.0001	0.0001	0.0058	0.0061	0.082	0.081	0.0001	0.0001	207	0.03	0.03	3.3	0.001	0.0005	43	43
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	162	0.014	—	0.17	0.0003	—	0.0025	—	0.0579	—	0.0001	—	195	0.03	—	2.3	0.0004	—	36.5	—
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	221	0.004	0.06	0.58	0.0001	0.0007	0.002	0.0026	0.198	0.213	0.0001	0.0001	158	0.02	0.02	3	0.0003	0.0004	26.3	28.3
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	160	0.006	—	0.47	0.0007	—	0.0016	—	0.404	—	0.0001	—	188	0.03	—	2.5	0.0003	—	26.5	—
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	163.4	0.005	0.501	0.34	0.0003	0.0002	0.0015	0.0024	0.233	0.249	0.0001	0.0001	183	0.03	0.03	2.6	0.0003	0.0006	32.8	32.8
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	142	0.003	0.156	0.2	0.0001	0.0001	0.0037	0.0042	0.111	0.135	0.0001	0.0001	190	0.01	0.02	—	0.0001	0.0004	58.7	58.7
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	140.48	0.004	0.014	0.16	0.0001	0.0001	0.0005	0.0006	0.342	0.354	0.0001	0.0001	165	0.005	0.01	—	0.0001	0.0001	65.3	65.3
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	—	0.0005	0.0005	0.18	0.0001	0.0001	0.004	0.005	—	—	—	—	204	—	—	2.9	0.0001	0.0001	38	40
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	—	0.005	0.011	0.14	0.0002	0.0002	0.0042	0.0045	—	—	—	—	190	—	—	3.6	0.0001	0.0004	45.7	46.8
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	—	0.003	0.003	0.09	0.0001	0.0001	0.0042	0.0047	—	—	—	—	188	—	—	3.7	0.0003	0.0004	43.1	45.1
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	149	0.008	0.013	0.16	0.0001	0.0001	0.0021	0.0028	—	—	—	—	178	—	—	4.2	0.0003	0.0004	42.4	42.6
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	146.9	0.015	0.019	0.3	0.0001	0.0001	0.0072	0.0103	0.014	0.016	0.0001	0.0001	151	0.02	0.02	0.7	0.0009	0.001	25.7	27.3
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	142.22	0.011	0.018	0.27	0.0001	0.0001	0.009	0.0083	0.0165	0.0201	0.0001	0.0001	162	0.02	0.02	0.6	0.0003	0.0004	26	26.2
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	160.23	0.011	0.0195	0.27	0.0003	0.0003	0.0076	0.0084	0.0117	0.01405	0.0001	0.0001	177	0.005	0.0175	—	0.0001	0.0001	25.6	25.6
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	168.5	0.002	0.004	0.04	0.0001	0.0001	0.0089	0.013	0.016	0.0195	0.0001	0.0001	205	0.02	0.02	—	0.0008	0.00035	24.9	24.9
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	170.83	0.0005	0.0005	0.08	0.0001	0.0001	0.0056	0.0057	—	—	—	—	227	—	—	1	0.0006	0.0006	26.3	26.3
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	177.7	0.004	0.007	0.11	0.0003	0.0003	0.0077	0.0077	0.0322	0.0344	0.0001	0.0001	227	0.02	0.02	0.9	0.0004	0.0005	29.2	29.3
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	203.48	0.008	0.008	0.1	0.0001	0.0008	0.0082	0.0093	0.0326	0.032	0.0001	0.0001	219	0.02	0.03	0.9	0.0001	0.0001	25	25
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	180.2	0.002	0.003	0.04	0.0001	0.0001	0.0075	0.0085	0.027	0.0305	0.0001	0.0001	219	0.02	0.025	—	0.0004	0.00045	26.3	27.9
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	178.85	0.005	0.0005	0.09	0.0002	0.0001	0.0034	0.0034	0.092	—	0.0001	—	194	0.03	—	1	0.0007	0.0003	31.1	34.4
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	169.7	0.004	0.0165	0.13	0.0001	0.0001	0.0029	0.003	0.096	0.0967	0.0001	0.0001	206	0.03	0.03	1.1	0.0002	0.00015	29	32.5
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	169.7	0.005	0.0005	0.13	0.0001	0.0001	0.003	0.0032	0.095	0.127	0.0001	0.0001	211	0.03	0.005	1.1	0.0004	0.0051	31.8	31.8
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	169.7	0.004	0.009	0.13	0.0001	0.0001	0.0027	0.0032	0.094	0.098	0.0001	0.0001	208	0.03	0.03	1.1	0.0001	0.0006	30.2	30.2
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	169.7	0.004	0.0005	0.11	0.0001	0.0001	0.0025	0.003	0.09485	0.118	0.0001	0.0001	208	0.03	0.005	1.1	0.0002	0.0045	29.4	29.4
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	192.39	0.005	0.009	0.1	0.0036	0.004	0.0036	0.004	0.0966	0.0978	0.0001	0.0001	211	0.01	0.01	1.2	0.0001	0.0001	33.2	33.2

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part A**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Alkalinity as CaCO ₃ (mg/L)	Aluminum		Ammonia-N (mg/L)	Antimony		Arsenic		Barium		Beryllium		Bicarbonate (mg/L)	Boron		Bromide (mg/L)	Cadmium		Calcium	
							Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	162	0.004	0.008	0.11	0.0001	0.0001	0.0034	0.0037	0.108	0.105	0.0001	0.0001	195	0.02	0.02	—	0.0003	0.0003	34.6	34.6
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	149	0.004	0.0005	0.12	0.0001	0.0001	0.0019	0.0021	0.081	—	0.0001	—	197	0.03	—	1	0.0007	0.0009	22.5	23.7
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	157.27	0.004	0.007	0.12	0.0001	0.0001	0.0023	0.0028	0.0769	0.0894	0.0001	0.0001	196	0.02	0.02	1	0.0002	0.0003	24	24
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	150	0.006	0.009	0.11	0.0001	0.0018	0.0018	0.0024	0.0741	0.0815	0.0001	0.0001	194	0.02	0.02	1	0.0004	0.0004	21.7	21.7
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	156.6	0.005	0.011	0.08	0.0001	0.0001	0.0023	0.0023	0.084	0.09	0.0001	0.0001	188	0.02	0.02	—	0.0001	0.0001	22.6	22.6
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	160.87	0.004	0.014	0.13	0.0001	0.0001	0.0019	0.0027	0.079	0.09	0.0001	0.0001	196	0.03	0.03	—	0.0008	0.0009	22.8	22.8
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	169.23	0.003	0.003	0.07	0.0001	0.0001	0.013	0.0109	0.016	0.0207	0.0001	0.0001	213	0.02	0.02	0.8	0.0001	0.0003	26.7	26.7
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	168.89	0.004	0.02	0.1	0.0001	0.0001	0.0093	0.013	0.0143	0.0229	0.0001	0.0001	218	0.02	0.02	1.4	0.0003	0.0008	24.7	25.3
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	137.2	0.011	0.016	0.27	0.0003	0.0003	0.0084	0.0085	0.0131	0.0154	0.0001	0.0001	153	0.005	0.005	—	0.0001	0.0001	24	26
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	139.8	0.009	0.012	0.24	0.0001	0.0001	0.0087	0.0098	0.013	0.015	0.0001	0.0001	162	0.01	0.01	—	0.0001	0.0008	24.3	24.3
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	—	0.007	0.017	0.13	0.0001	0.0001	0.0065	0.0077	—	—	—	—	233	—	—	0.9	0.0001	0.0001	34.2	36.8
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	—	0.005	—	—	0.0001	—	0.0076	—	—	—	—	—	236	—	—	—	0.0003	—	34.6	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	—	0.011	—	—	0.0001	—	0.0058	—	—	—	—	—	234	—	—	—	0.0001	—	33.7	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	—	0.006	—	—	0.0001	—	0.0052	—	—	—	—	—	232	—	—	—	0.0004	—	35.4	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	—	0.003	—	—	0.0001	—	0.0065	—	—	—	—	—	232	—	—	—	0.0001	—	35.5	—
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	185.71	0.004	0.009	0.1	0.0001	0.0001	0.006	0.009	0.011	0.013	0.0001	0.0001	226	0.02	0.02	0.9	0.0009	0.0011	29.6	32.4
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	146.34	0.021	0.0065	0.11	0.0001	0.0001	0.0085	0.0085	0.0075	0.0139	0.0001	0.0001	221	0.01	0.0125	—	0.0001	0.0001	25.5	29.2
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	146.34	0.009	0.006	0.09	0.0001	0.0001	0.0062	0.0087	0.0093	0.0139	0.0001	0.0001	217	0.01	0.0125	—	0.0001	0.0001	26.6	26.6
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	164.5	0.003	0.006	0.06	0.0001	0.0001	0.01	0.01	0.011	0.01125	0.0001	0.0001	205	0.02	0.02	—	0.0004	0.00045	25.9	25.9
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	127	0.013	0.001	0.05	0.0001	0.0001	0.012	0.012	0.008	0.0109	0.0001	0.0001	163	0.01	0.02	—	0.0003	0.0001	21.5	21.5
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	48.07	0.024	0.081	0.16	0.0001	0.0001	0.0001	0.0001	—	—	—	—	16.4	—	—	1.9	0.0001	0.0001	18.3	18.7
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	87.23	0.029	0.035	0.13	0.0001	0.0001	0.0001	0.0002	0.1	0.101	0.0001	0.0001	36.4	0.04	0.04	1.5	0.0007	0.0007	13.5	13.5
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	70.45	0.039	0.058	0.11	0.0001	0.0001	0.0001	0.0001	0.123	0.13	0.0001	0.0001	44	0.04	0.03	1.7	0.0001	0.0001	11.9	11.9
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	70.45	0.044	0.304	0.12	0.0001	0.0001	0.0001	0.0001	0.133	0.145	0.0001	0.0001	44.1	0.03	0.02	—	0.0001	0.0001	12.4	14.3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	70.45	0.028	0.037	0.14	0.0001	0.0001	0.0001	0.0001	0.1285	0.13	0.0001	0.0001	61	0.035	0.03	—	0.0001	0.0001	12	12
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	70.45	0.032	0.038	0.14	0.0001	0.0001	0.0001	0.0001	0.13	0.13	0.0001	0.0001	53.9	0.04	0.03	—	0.0001	0.0001	12.5	13.3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	70.45	0.019	0.048	0.14	0.0001	0.0001	0.0001	0.0001	0.07145	0.129	0.0001	0.0001	57.3	0.035	0.03	—	0.0001	0.0001	12.6	13.5
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	74.44	0.022	0.026	0.12	0.0001	0.0001	0.0001	0.0001	0.161	0.164	0.0001	0.0001	55.2	0.04	0.04	—	0.0004	0.0001	11.4	11.6
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	145.833	0.011	0.381	0.15	0.0001	0.0001	0.0006	0.0009	0.168	0.173	0.0001	0.0001	182	0.02	0.02	—	0.0005	0.0001	48.6	48.6

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part A**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Alkalinity as CaCO ₃ (mg/L)	Aluminum		Ammonia-N (mg/L)	Antimony		Arsenic		Barium		Beryllium		Bicarbonate (mg/L)	Boron		Bromide (mg/L)	Cadmium		Calcium	
							Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	160	0.006	—	—	—	—	—	—	0.164	—	0.0001	—	—	0.03	—	—	0.0006	—	—	—
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	155.556	0.005	0.017	0.14	0.0001	0.0001	0.0006	0.0006	0.157	0.166	0.0001	0.0001	189	0.02	0.03	—	0.0007	0.0005	47	47
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	160	0.005	—	—	—	—	—	—	0.164	—	0.0001	—	—	0.03	—	—	0.0008	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	—	0.008	—	—	—	—	—	—	0.155	—	0.0001	—	—	0.03	—	—	0.0009	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	—	0.007	—	0.12	0.0001	—	0.0006	—	0.152	—	0.0001	—	191	0.02	—	—	0.0006	—	46.5	—
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	150	0.003	—	—	—	—	—	—	0.163	—	0.0001	—	—	0.02	—	—	0.0004	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	166.667	0.004	—	—	—	—	—	—	0.163	—	0.0001	—	—	0.02	—	—	0.0003	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	146.341	0.021	0.006	0.14	0.0001	0.0001	0.0004	0.0005	0.157	0.179	0.0001	0.0001	196	0.02	0.03	—	0.0006	0.0001	46.2	46.2
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	158.333	0.006	0.012	0.14	0.0001	0.0001	0.0005	0.0006	0.158	0.162	0.0001	0.0001	194	0.02	0.02	—	0.0003	0.0001	43.9	44.6
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	151.25	0.02	0.005	0.17	0.0001	0.0001	0.0005	0.0005	0.166	0.18	0.0001	0.0001	195	0.02	0.03	—	0.0007	0.0001	43.4	43.5
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	143.023	0.004	—	—	—	—	—	—	0.163	—	0.0001	—	—	0.02	—	—	0.0004	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	—	0.004	—	—	—	—	—	—	0.145	—	0.0001	—	—	0.01	—	—	0.0003	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	147.619	0.01	0.005	0.14	0.0001	0.0001	0.0005	0.0006	0.144	0.182	0.0001	0.0001	194	0.01	0.03	—	0.0004	0.0001	40.8	40.8
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	—	0.008	0.004	0.15	0.0001	0.0001	0.0005	0.0005	0.226	0.187	0.0001	0.0001	196	0.04	0.03	—	0.0001	0.0001	41.8	41.8
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	147.619	0.003	—	—	—	—	—	—	0.146	—	0.0001	—	—	0.02	—	—	0.0004	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	147.674	0.013	0.02	0.14	0.0001	0.0001	0.0005	0.0005	0.153	0.164	0.0001	0.0001	194	0.02	0.02	—	0.0001	0.0006	44.2	44.2
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	147.619	0.006	0.058	0.13	0.0001	0.0001	0.0005	0.0005	0.156	0.159	0.0001	0.0001	193	0.02	0.02	—	0.0007	0.0001	44.8	44.8
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	159.524	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	153.488	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	151.163	0.0065	0.0095	0.13	0.0001	0.0001	0.0005	0.0006	0.161	0.102	0.0001	0.0001	195	0.025	0.025	—	0.00025	0.00035	43.5	43.5
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	—	0.005	—	—	—	—	—	—	0.162	—	0.0001	—	—	0.02	—	—	0.0006	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	152.273	0.008	0.009	0.13	0.0001	0.0001	0.0005	0.0005	0.163	0.163	0.0001	0.0001	194	0.02	0.02	—	0.0006	0.0003	44.1	44.1
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	157.292	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	—	0.008	0.02	0.12	0.0001	0.0001	0.0005	0.0005	0.033	0.0955	0.0001	0.0001	196	0.02	0.02	—	0.0003	0.0001	39.2	39.2
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	—	0.008	0.005	0.13	0.0001	0.0001	0.0006	0.0006	0.159	0.159	0.0001	0.0001	195	0.01	0.02	—	0.0005	0.0005	39.7	39.7
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	—	0.003	0.003	0.12	0.0001	0.0001	0.0006	0.0004	0.162	0.176	0.0001	0.0001	193	0.02	0.03	—	0.0001	0.0005	39.2	39.2
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	125	0.005	0.0005	0.12	0.0001	0.0001	0.0006	0.0005	0.16	0.183	0.0001	0.0001	195	0.02	0.03	—	0.0003	0.0001	37	37
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	147.5	0.004	0.003	0.12	0.0001	0.0001	0.0005	0.0006	0.167	0.18	0.0001	0.0001	195	0.02	0.03	—	0.0001	0.0001	38.3	38.3
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	157.6	0.0005	0.034	0.07	0.0001	0.0001	0.011	0.013	—	—	—	—	187	—	—	—	0.0009	0.0009	21.8	22.6
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	165.5	0.01	—	0.12	0.0004	—	0.011	—	0.0065	—	0.0001	—	168	0.02	—	—	0.0002	—	25.8	—
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	135.7	0.0005	—	0.07	0.0001	—	0.0097	—	0.006	—	0.0001	—	161	0.01	—	—	0.0015	—	20	—
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	130.61	0.0005	0.065	0.11	0.0001	0.0001	0.0095	0.0095	—	—	—	—	162	—	—	—	0.0001	0.0001	15.4	16.6

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part A**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Alkalinity as CaCO ₃ (mg/L)	Aluminum		Ammonia-N (mg/L)	Antimony		Arsenic		Barium		Beryllium		Bicarbonate (mg/L)	Boron		Bromide (mg/L)	Cadmium		Calcium	
							Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	118.2	0.006	—	0.09	0.0001	—	0.0098	—	0.0132	—	0.0001	—	160	0.22	—	—	0.0001	—	16.4	—
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	128.26	0.0155	0.008	0.11	0.0002	—	0.0086	—	0.01465	0.0345	0.0001	0.0001	160	0.025	0.02	—	0.0002	0.0002	16.2	—
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	95	0.00375	—	0.07	0.0001	—	0.0092	—	0.012	—	0.0001	—	139	0.0125	—	—	0.0007	—	13.8	—
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	157.5	0.0005	0.0005	0.08	0.0001	0.0001	0.0061	0.0081	—	—	—	—	206	—	—	1	0.0001	0.0001	21.4	21.5
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	162.96	0.0005	—	0.05	0.0001	—	0.0076	—	0.0131	—	0.0001	—	204	0.005	—	—	0.007	—	25.7	—
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	170	0.0005	0.004	0.07	0.0001	—	0.0082	—	0.012	0.012	0.0001	0.0001	179	0.005	0.02	—	0.0015	0.0001	19.9	—
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	165.15	0.0005	0.0005	0.05	0.0001	0.0001	0.011	0.011	—	—	—	—	204	—	—	—	0.0005	0.0004	22	22
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	—	0.002	—	0.06	0.0001	—	0.0106	—	0.008	—	0.0001	—	201	0.02	—	—	0.0001	—	26	—
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	136.2	0.00125	—	0.06	0.0001	—	0.0099	—	0.00995	—	0.0001	—	183	0.0125	—	—	0.0007	—	19.9	—
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	144.92	0.004	0.004	0.11	0.0001	0.0001	0.011	0.015	—	—	—	—	194	—	—	—	0.0008	0.0007	21.5	21.8
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	105	0.0005	—	0.02	0.0001	—	0.0098	—	0.0178	—	0.0001	—	155	0.03	—	—	0.0001	—	16	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	—	0.0005	—	0.16	0.0001	—	0.0102	—	0.0194	—	0.0001	—	157	0.02	—	—	0.0001	—	17.5	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	120	0.004	0.008	0.12	0.0001	0.0001	0.013	0.014	—	—	—	—	155	—	—	—	0.0003	0.0003	15.3	15.8
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	120	0.003	0.004	0.12	0.0001	0.0001	0.0091	0.013	—	—	—	—	154	—	—	—	0.0005	0.0005	15.4	16.2
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	—	0.004	0.004	0.17	0.0001	0.0001	0.012	0.012	—	—	—	—	151	—	—	—	0.0001	0.0003	16.2	16.4
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	136.67	0.0005	—	0.12	0.0001	—	0.0091	—	0.016	—	0.0001	—	171	0.005	—	—	0.0011	—	19	—
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	137.5	0.001	0.0005	0.07	0.0001	—	0.0097	—	0.011	0.016	0.0001	0.0001	188	0.01	0.01	—	0.001	0.0016	19.1	—
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	159.4	0.0005	0.007	0.1	0.0001	0.0001	0.0085	0.0093	—	—	—	—	185	—	—	—	0.0001	0.0005	19.7	21.2
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	145	0.001	—	0.09	0.0001	—	0.008	—	0.077	—	0.0001	—	187	0.02	—	—	0.0011	—	20.3	—
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	156.45	0.0005	0.005	0.1	0.0001	0.0001	0.0055	0.0065	—	—	—	—	197	—	—	—	0.0001	0.0001	23.1	23.1
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	153.19	0.004	—	0.1	0.0001	—	0.008	—	0.108	—	0.0001	—	195	0.005	—	—	0.0024	—	23.8	—
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	143.8	0.0035	—	0.1	0.0001	—	0.0069	—	0.0813	—	0.0001	—	191	0.02	—	—	0.0008	—	24.3	—
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	164.42	0.0005	0.0005	0.11	0.0001	0.0001	0.006	0.0065	—	—	—	—	211	—	—	—	0.0004	0.0004	41.3	42.3
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	166.67	0.004	—	0.15	0.0001	—	0.007	—	0.0609	—	0.0001	—	211	0.02	—	—	0.0004	—	42.2	—
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	217.5	0.001	—	0.07	0.0001	—	0.0062	—	0.058	—	0.0001	—	211	0.02	—	—	0.0004	—	41.6	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	162.26	0.006	0.0125	0.13	0.0001	0.0001	0.0045	0.0063	0.09	0.1	0.0001	0.0001	183	0.03	0.025	—	0.0006	0.0005	22	22
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	162.26	0.005	0.008	0.13	0.0001	0.0001	0.0051	0.0056	0.093	0.09615	0.0001	0.0001	184	0.03	0.03	—	0.0006	0.00045	22.8	22.9
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	162.26	0.0005	0.0005	0.18	0.0001	0.0001	0.0048	0.006	—	—	—	—	182	—	—	—	0.0003	0.0003	21.2	21.3
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	162.26	0.004	0.006	0.14	0.0001	0.0001	0.0048	0.0064	0.086	0.095	0.0001	0.0001	182	0.03	0.03	—	0.0009	0.0011	23.5	23.5
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	137.5	0.004	—	0.11	0.0001	—	0.0049	—	0.099	—	0.0001	—	179	0.03	—	—	0.0012	—	20.2	—
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	139.58	0.0005	0.0005	0.13	0.0001	0.0001	0.0034	0.0034	—	—	—	—	170	—	—	—	0.0004	0.0004	24.3	26.4
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	137	0.0105	—	0.14	0.0001	—	0.0033	—	0.081	—	0.0001	—	177	0.03	—	—	0.00035	—	26.5	—
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	142.4	0.005	—	0.13	0.0001	—	0.0039	—	0.081	—	0.0001	—	181	0.02	—	—	0.00065	—	28.8	—
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	153.84	0.009	0.019	0.13	0.0001	0.0001	0.0042	0.0051	—	—	—	—	189	—	—	—	0.0001	0.0003	27.4	28.6
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	173.8	0.008	—	0.1	0.0002	—	0.0048	—	0.089	—	0.0001	—	195	0.03	—	—	0.001	—	29.6	—
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	162	0.002	—	0.08	0.0001	—	0.0069	—	0.08	—	0.0001	—	196	0.01	—	—	0.0013	—	23	—
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	173.52	0.0005	0.0005	0.11	0.0001	0.0001	0.0021	0.0024	—	—	—	—	213	—	—	—	0.0004	0.0004	25.2	25.2
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	156	0.005	—	0.12	0.0001	—	0.0015	—	0.0726	—	0.0001	—	211	0.02	—	—	0.0002	—	25.7	—
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	137.96	0.01	0.019	0.25	0.0001	0.0001	0.0006	0.0007	0.715	0.716	0.0001	0.0001	129	0.03	0.03	—	0.0003	0.0005	7.86	7.86



Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part A

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Alkalinity as CaCO ₃ (mg/L)	Aluminum		Ammonia-N (mg/L)	Antimony		Arsenic		Barium		Beryllium		Bicarbonate (mg/L)	Boron		Bromide (mg/L)	Cadmium		Calcium	
							Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	107.14	0.005	0.015	0.07	0.0001	0.0001	0.0001	0.0001	—	—	—	—	98.6	—	—	—	0.0001	0.0003	7.47	7.48
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	78.18	0.007	—	0.08	0.0001	—	0.0001	—	0.244	—	0.0001	—	75.5	0.08	—	—	0.0009	—	7.49	—
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	63.8	0.001	—	0.02	0.0001	—	0.0001	—	0.252	—	0.0001	—	82.8	0.05	—	—	0.0015	—	6.51	—

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

Note: Results below the detection limit are presented as half the detection limit.

m = metre; masl = metres above sea level; MW = mine water; CaCO₃= calcium carbonate; mg/L = milligrams per litre; Diss. = dissolved; N = nitrogen; — = data not available.

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part B**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Carbonate (mg/L)	Chloride	Chromium		Cobalt		Copper		Hydroxide (mg/L)	Ion Balance	Iron		Lead		Lithium		Magnesium	
							Diss. (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	34.3	59.8	0.0005	0.0005	0.00015	0.0003	0.0001	0.0003	0.25	1.02	0.005	0.81	0.00015	0.00015	—	—	22.5	24.1
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	27.4	98.5	0.0005	0.0005	0.00025	0.00015	0.0003	0.0003	0.25	0.9	0.005	0.005	0.00015	0.0003	—	—	23.9	24.2
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	0.25	106	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.01	0.42	0.97	0.00015	0.00015	—	—	30.3	30.7
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	64.9	43.7	0.0005	0.0005	0.00015	0.00015	0.0009	0.001	0.25	1.02	0.005	0.005	0.0009	0.001	0.021	0.021	1.52	1.65
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	69	43.7	0.0005	0.0005	0.00015	0.00015	0.0001	0.0005	0.25	1.01	0.005	0.005	0.0003	0.0014	0.018	0.018	1.42	1.53
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	14.3	90.9	0.001	—	0.00015	—	0.0001	—	0.25	1.01	0.005	—	0.0005	—	0.052	—	34.2	—
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	0.25	114	0.064	0.0005	0.0003	0.0007	0.0002	0.0068	0.25	1.02	0.68	1.41	0.00015	0.0055	0.045	0.046	30	30.4
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	0.25	122	0.0005	0.0005	0.0036	0.0036	0.0028	0.0028	0.25	1.06	0.6	0.6	0.00015	0.00015	0.048	0.05	30.8	30.8
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	15	236	0.0005	—	0.0004	—	0.0001	—	0.25	1.02	0.005	—	0.00015	—	0.028	—	40.2	—
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	0.25	122	0.002	0.0005	0.0004	0.0007	0.0005	0.0012	0.25	1.03	0.005	1.02	0.00015	0.00015	0.122	0.123	31	31.1
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	0.25	130	0.0005	—	0.0004	—	0.0002	—	0.25	1.03	0.005	—	0.00015	—	0.077	—	31.3	—
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	0.25	130	0.0005	—	0.0004	—	0.0001	—	0.25	1.02	0.005	—	0.00015	—	0.067	—	32.5	—
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	0.25	143	0.031	0.021	0.0007	0.00735	0.0005	0.0751	0.25	1.02	0.005	8.9	0.00015	0.01615	0.049	0.051	29.8	40.3
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	0.25	80.7	0.0005	—	0.00015	—	0.0001	—	0.25	1.04	1.23	—	0.00015	—	0.029	—	25.1	—
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	0.25	135	0.0005	0.001	0.0004	0.0004	0.0001	0.0001	0.25	0.99	1.66	1.66	0.00015	0.0004	0.032	0.032	33.2	33.2
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	0.25	100	0.0005	—	0.0003	—	0.0002	—	0.25	0.98	0.005	—	0.00015	—	0.048	—	24.7	—
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	15.3	136	0.002	0.0005	0.00015	0.0006	0.0001	0.0004	0.25	0.96	0.005	0.79	0.00015	0.00015	0.027	0.027	22.2	23
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	6.1	113	0.0005	—	0.0003	—	0.0003	—	0.25	1	0.005	—	0.00015	—	0.033	—	23.9	—
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	7	122	0.004	0.0005	0.00015	0.0009	0.0003	0.0006	0.25	1.04	0.005	1.69	0.00015	0.0003	0.034	0.035	26.8	27.5
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	0.25	199	0.002	0.002	0.001	0.0012	0.0008	0.0013	0.25	1.05	0.005	1.75	0.00015	0.0007	0.037	0.038	42.7	42.7
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	0.25	274	0.032	0.002	0.0011	0.0014	0.0008	0.0009	0.25	1.04	0.005	0.79	0.00015	0.00015	0.04	0.04	53.3	53.3
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	0.25	113	0.001	0.001	0.0013	0.0014	0.0001	0.0001	0.25	1.07	0.005	0.61	0.00015	0.00015	—	—	23.3	23.8
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	0.25	144	0.001	0.001	0.0012	0.0019	0.0001	0.001	0.25	1.05	0.94	1.05	0.0023	0.092	—	—	21.4	21.7
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	0.25	146	0.003	0.003	0.0013	0.0016	0.0001	0.0001	0.25	1.04	0.61	0.67	0.00015	0.00015	—	—	21.7	21.8
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	0.25	177	0.0005	0.0005	0.0007	0.0008	0.0001	0.0001	0.25	1.03	0.05	0.99	0.00015	0.00015	—	—	24.4	24.6
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	17.3	25.7	0.001	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	0.98	0.1	0.51	0.00015	0.00015	—	—	12.4	12.5
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	10.7	23.9	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.03	0.005	0.45	0.00015	0.00015	0.09	0.091	12.9	13
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	4.2	22.7	0.003	0.00175	0.0004	0.000325	0.0005	0.0002	0.25	1.05	0.005	0.44	0.00015	0.00015	0.092	0.094	12.8	12.8
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	0.25	27.5	0.0005	0.003125	0.0005	0.000325	0.0001	0.0001	0.25	1.04	0.71	1.19	0.00015	0.00015	0.021	0.021	18	18
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	0.25	39.3	0.0005	0.0005	0.00015	0.0004	0.0001	0.0001	0.25	0.94	0.2	0.91	0.00015	0.00015	—	—	19.3	19.4
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	0.25	36.6	0.001	0.0005	0.00015	0.00015	0.0001	0.0003	0.25	1.04	0.82	1.07	0.00015	0.00015	0.024	0.024	20.9	20.9
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	0.25	33.8	0.0005	0.002	0.00015	0.00015	0.0103	0.0001	0.25	0.98	0.005	0.87	0.00015	0.00015	0.024	0.024	19.1	19.1
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	0.25	35.5	0.0005	0.00075	0.0005	0.000325	0.0001	0.0001	0.25	1.03	0.18	1.02	0.00015	0.00015	0.025	0.025	20.3	20.4
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	11.4	39.9	0.001	0.0005	0.0003	0.0006	0.0001	0.0001	0.25	0.94	0.005	0.005	0.00015	0.0005	—	—	17.4	18.1
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	0.25	45	0.0005	0.00125	0.00015	0.000225	0.0001	0.0007	0.25	0.97	0.005	0.09	0.00015	0.00015	0.068	0.068	18.1	18.6
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	0.25	44.7	0.0005	0.0005	0.0003	0.0037	0.0001	0.0027	0.25	0.99	0.005	0.05	0.00015	0.00015	0.066	0.067	18.4	18.4
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	0.25	44.8	0.0005	0.0005	0.0003	0.00015	0.0001	0.0001	0.25	0.98	0.005	0.05	0.00015	0.00015	0.066	0.067	18.2	18.2
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	0.25	44.8	0.00125	0.0005	0.000225	0.004	0.00085	0.0036	0.25	0.97	0.005	0.04	0.00015	0.00015	0.067	0.067	18.1	18.1
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	0.25	36.7	0.003	0.002	0.0006	0.0006	0.0002	0.0004	0.25	1.07	0.005	0.04	0.00015	0.00015	0.064	0.066	18.9	18.9
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	5.6	56	0.0005	0.0005	0.0005	0.0007	0.0001	0.0004	0.25	1.03	0.005	0.1	0.00015	0.00015	0.066	0.067	21	21

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part B**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Carbonate (mg/L)	Chloride	Chromium		Cobalt		Copper		Hydroxide (mg/L)	Ion Balance	Iron		Lead		Lithium		Magnesium	
							Diss. (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	0.25	36.1	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1	0.005	0.49	0.00015	0.00015	—	—	19.8	20.1
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	0.25	37.8	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.04	0.04	0.55	0.00015	0.00015	0.026	0.026	21	21
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	0.25	37.4	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	0.98	0.005	0.27	0.00015	0.00015	0.025	0.025	19.4	19.5
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	0.25	38	0.0005	0.036	0.0004	0.00015	0.0001	0.0001	0.25	1.03	0.005	0.32	0.00015	0.00015	0.025	0.025	19.9	19.9
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	0.25	36.9	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	0.98	0.005	0.44	0.00015	0.00015	—	—	19.3	19.3
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	0.25	27.7	0.0005	0.0005	0.00015	0.0003	0.0001	0.0006	0.25	1.03	0.6	1.16	0.00015	0.0006	0.022	0.022	18.4	18.4
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	0.25	28.4	0.0005	0.0005	0.0003	0.0003	0.0005	0.0002	0.25	1.01	0.39	1.31	0.00015	0.00015	0.023	0.023	18.6	18.9
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	15.3	21.9	0.003	0.002	0.0004	0.0005	0.0001	0.0001	0.25	1.03	0.03	0.46	0.00015	0.00015	0.093	0.093	12.4	12.6
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	7.3	27.5	0.0005	0.0005	0.0003	0.0004	0.0001	0.0001	0.25	1.01	0.005	0.56	0.00015	0.00015	0.082	0.082	13	13
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	0.25	36.8	0.0005	0.0005	0.0005	0.0008	0.0001	0.0004	0.25	1.01	0.005	0.39	0.00015	0.00015	—	—	17.7	18.3
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	0.25	36.6	0.0005	—	0.0006	—	0.0001	—	0.25	1.02	0.1	—	0.00015	—	—	—	17.8	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	0.25	36.5	0.0005	—	0.0006	—	0.0005	—	0.25	1.01	0.005	—	0.00015	—	—	—	17.5	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	0.25	35.7	0.0005	—	0.0003	—	0.0001	—	0.25	1.04	0.005	—	0.00015	—	—	—	17.6	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	0.25	36.1	0.0005	—	0.0009	—	0.0001	—	0.25	1.04	0.005	—	0.00015	—	—	—	17.6	—
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	0.25	35.3	0.001	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	0.98	0.04	0.89	0.00015	0.00015	—	—	17.5	17.7
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	0.25	31.4	0.002	0.0025	0.0005	0.000375	0.0003	0.00045	0.25	0.98	0.005	0.99	0.00015	0.00015	0.051	0.051	17.4	18.1
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	0.25	30.9	0.003	0.0035	0.0006	0.000375	0.0001	0.00045	0.25	1.02	0.005	0.9	0.00015	0.00015	0.052	0.054	17.6	17.8
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	0.25	32.4	0.00325	0.0005	0.000325	0.00045	0.0001	0.0001	0.25	1.02	0.67	0.99	0.00015	0.00015	0.046	0.046	17.4	17.4
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	0.25	24.1	0.0005	0.021	0.0004	0.00015	0.0001	0.0001	0.25	1.02	0.61	0.86	0.00015	0.00015	0.017	0.017	14.2	14.2
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	21	66.2	0.0005	0.0005	0.0005	0.0004	0.0013	0.0014	0.25	1.07	0.005	0.05	0.00015	0.0022	—	—	12.4	12.5
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	20.2	62.6	0.001	0.001	0.00015	0.00015	0.0001	0.0001	0.25	1.01	0.005	0.005	0.00015	0.00015	0.0005	0.145	12.7	12.7
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	20.5	68	0.0035	0.005	0.000225	0.0004	0.0002	0.0003	0.25	1.03	0.005	0.005	0.00015	0.00015	0.134	0.136	14.2	14.2
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	21.1	66.3	0.012	0.005	0.0003	0.0014	0.0001	0.0017	0.25	1.03	0.005	0.66	0.00015	0.0014	0.129	0.133	14.2	17.1
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	11.6	66.4	0.003	0.004	0.000225	0.0003	0.0005	0.0003	0.25	1.06	0.005	0.005	0.00015	0.00015	0.134	0.134	14.3	14.3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	15.5	67.9	0.005	0.005	0.0003	0.0003	0.0001	0.0004	0.25	1.04	0.005	0.005	0.00015	0.00015	0.131	0.131	14.4	14.6
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	14	67.8	0.003	0.005	0.000225	0.0004	0.00045	0.0006	0.25	1.05	0.005	0.005	0.00015	0.00015	0.132	0.133	14.5	14.5
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	18	81	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.01	0.005	0.005	0.00015	0.00015	0.112	0.112	16.7	16.8
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	0.25	125	0.002	0.004	0.0003	0.0022	0.0001	0.0026	0.25	1.04	0.11	0.43	0.00015	0.0024	0.134	0.142	29.7	29.7
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	—	—	0.003	—	0.0003	—	0.0001	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	0.25	122	0.0005	0.0005	0.0003	0.0004	0.0001	0.0004	0.25	1.06	0.1	0.39	0.00015	0.00015	0.095	0.095	30.1	30.1
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	—	—	0.0005	—	0.0003	—	0.0001	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	—	—	0.0005	—	0.0003	—	0.0001	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	0.25	—	0.003	—	0.00015	—	0.0001	—	0.25	—	0.1	—	0.00015	—	0.078	—	29.4	—
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	—	—	0.0005	—	0.0007	—	0.0001	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	—	—	0.0005	—	0.0008	—	0.0003	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	0.25	110	0.0005	0.047	0.0008	0.00015	0.0003	0.0001	0.25	1.1	0.1	0.46	0.00015	0.00015	0.071	0.071	30	30
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	0.25	110	0.0005	0.0005	0.0007	0.0003	0.0001	0.0001	0.25	1.06	0.09	0.44	0.00015	0.00015	0.063	0.064	28.7	28.8
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	0.25	106	0.002	0.097	0.0009	0.00015	0.0008	0.0001	0.25	1.08	0.04	0.48	0.00015	0.00015	0.073	0.074	29.3	29.7
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	—	—	0.003	—	0.0008	—	0.0013	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	—	—	0.003	—	0.0008	—	0.0007	—	—	—	—	—	0.00015	—	—	—	—	—

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part B**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Carbonate (mg/L)	Chloride	Chromium		Cobalt		Copper		Hydroxide (mg/L)	Ion Balance	Iron		Lead		Lithium		Magnesium	
							Diss. (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	0.25	96.5	0.002	0.083	0.0008	0.00015	0.0009	0.0001	0.25	1.1	0.08	0.48	0.00015	0.00015	0.061	0.062	28.4	28.7
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	0.25	97.5	0.095	0.095	0.00015	0.00015	0.0001	0.0001	0.25	1.09	0.09	0.48	0.00015	0.00015	0.061	0.062	28	28
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	—	—	0.0005	—	0.0008	—	0.0009	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	0.25	107	0.00225	0.0005	0.0006	0.0009	0.00065	0.0013	0.25	1.09	0.36	0.47	0.00015	0.00015	0.059	0.059	28.9	28.9
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	0.25	112	0.005	0.002	0.0009	0.0009	0.0006	0.0007	0.25	1.08	0.42	0.49	0.00015	0.00015	0.058	0.058	29.1	29.1
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	0.25	108	0.00225	0.00225	0.000575	0.00055	0.0004	0.00045	0.25	1.07	0.41	0.48	0.00015	0.00015	0.055	0.055	28.4	28.5
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	—	—	0.0005	—	0.0009	—	0.0007	—	—	—	—	—	0.00015	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	0.25	109	0.004	0.0005	0.0009	0.0009	0.0006	0.0008	0.25	1.07	0.38	0.49	0.00015	0.00015	0.054	0.054	28.6	28.6
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	0.25	93	0.0005	0.002	0.0009	0.000475	0.0169	0.00945	0.25	1.09	0.42	0.48	0.00015	0.000225	0.051	0.051	27.5	27.5
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	0.25	96.5	0.003	0.0005	0.0009	0.0008	0.0009	0.0011	0.25	1.08	0.34	0.49	0.00015	0.00015	0.052	0.052	28.3	28.3
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	0.25	97	0.0005	0.033	0.009	0.00015	0.0011	0.0001	0.25	1.08	0.3	0.37	0.00015	0.00015	0.051	0.051	27.5	27.5
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	0.25	100	0.0005	0.053	0.0007	0.00015	0.001	0.0001	0.25	1.03	0.32	0.35	0.00015	0.00015	0.052	0.052	26.9	26.9
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	0.25	96	0.0005	0.017	0.0009	0.00015	0.0009	0.0001	0.25	1.05	0.32	0.37	0.00015	0.00015	0.049	0.049	26.8	27
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	0.25	30.7	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	0.94	0.2	1.01	0.00015	0.0015	—	—	15.1	15.3
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	10.7	31.4	0.0005	—	0.0003	—	0.0001	—	0.25	1.03	0.03	—	0.00015	—	0.02	—	16.6	—
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	0.25	25.2	0.002	—	0.00015	—	0.0001	—	0.25	1.01	0.35	—	0.00015	—	0.017	—	14.1	—
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	0.25	9.8	0.0005	0.0005	0.00015	0.00015	0.0001	0.0006	0.25	0.95	0.25	1.13	0.00015	0.0005	—	—	11.5	11.7
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	0.25	9.1	0.0005	—	0.00015	—	0.0001	—	0.25	1.01	0.84	—	0.00015	—	0.014	—	11.8	—
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	0.25	8.5	0.00125	0.0005	0.00015	0.00015	0.00055	0.0003	0.25	0.97	0.25	—	0.000225	0.00015	0.013	—	11.2	—
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	0.25	7	0.00125	—	0.00015	—	0.0001	—	0.25	1	0.72	—	0.000875	—	0.013	—	10.4	—
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	0.25	21.4	0.0005	0.0005	0.0003	0.0006	0.0001	0.0003	0.25	0.91	0.05	0.6	0.00015	0.00015	—	—	14.2	14.3
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	0.25	19.1	0.0005	—	0.0021	—	0.0015	—	0.25	1.04	0.14	—	0.00015	—	0.021	—	15.6	—
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	0.25	16.7	0.0005	0.0005	0.0004	0.0003	0.0001	0.0001	0.25	1.02	0.47	—	0.00015	0.00015	0.02	—	13.9	—
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	0.25	28.3	0.0005	0.0005	0.0004	0.0007	0.0001	0.0001	0.25	0.96	0.1	0.79	0.00015	0.00015	—	—	16.8	16.8
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	0.25	28.5	0.0005	—	0.00015	—	0.0017	—	0.25	1.05	0.005	—	0.00015	—	0.022	—	17.9	—
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	0.25	22.6	0.00075	—	0.000225	—	0.0001	—	0.25	1	0.31	—	0.00065	—	0.02	—	15.4	—
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	0.25	19.2	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.02	1.03	1.14	0.00015	0.00015	—	—	16.7	16.7
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	0.25	19.8	0.069	—	0.00015	—	0.0001	—	0.25	1	0.39	—	0.00015	—	0.016	—	13.6	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	0.25	20.1	0.067	—	0.00015	—	0.0001	—	0.25	1.03	0.4	—	0.00015	—	0.016	—	14	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	0.25	16	0.0005	0.0005	0.0003	0.0003	0.0001	0.0001	0.25	0.99	0.005	2.3	0.00015	0.00015	—	—	12.9	13.2

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part B

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Carbonate (mg/L)	Chloride	Chromium		Cobalt		Copper		Hydroxide (mg/L)	Ion Balance	Iron		Lead		Lithium		Magnesium	
							Diss. (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	0.25	15.8	0.0005	0.0005	0.0003	0.0003	0.0001	0.0001	0.25	1	0.005	2.36	0.00015	0.00015	—	—	13.1	13.2
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	0.25	15.6	0.0005	0.0005	0.0003	0.0003	0.0001	0.0001	0.25	1.03	0.005	1.19	0.00015	0.00015	—	—	13.1	13.2
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	0.25	23.4	0.0005	—	0.00015	—	0.0001	—	0.25	1.03	0.13	—	0.00015	—	0.017	—	15.3	—
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	0.25	18.1	0.0005	0.0005	0.0003	0.0003	0.0006	0.0001	0.25	1	0.16	—	0.00015	0.00015	0.017	—	16	—
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	0.25	34	0.0005	0.0005	0.0004	0.0004	0.0001	0.0001	0.25	1.02	0.18	0.95	0.00015	0.00015	—	—	17.9	18
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	0.25	33.5	0.0005	—	0.0006	—	0.0004	—	0.25	1.03	0.005	—	0.00015	—	0.02	—	18.2	—
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	0.25	39.3	0.0005	0.0005	0.0004	0.0004	0.0001	0.0001	0.25	1	0.72	0.91	0.00015	0.00015	—	—	19.1	19.2
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	0.25	43.1	0.0005	—	0.0036	—	0.0028	—	0.25	1.04	0.2	—	0.00015	—	0.022	—	20.4	—
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	0.25	42.7	0.0005	—	0.0005	—	0.0005	—	0.25	1.06	0.005	—	0.00015	—	0.023	—	20.4	—
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	0.25	122	0.0005	0.0005	0.00015	0.0004	0.0001	0.0003	0.25	0.92	0.7	1.58	0.00015	0.00015	—	—	28	28.1
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	0.25	102	0.0005	—	0.0003	—	0.0002	—	0.25	1.05	1.07	—	0.00015	—	0.046	—	29.7	—
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	0.25	95	0.0005	—	0.0011	—	0.0007	—	0.25	1.05	0.89	—	0.00015	—	0.042	—	29.2	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	0.25	37.9	0.0005	0.00075	0.00015	0.00015	0.0001	0.0006	0.25	0.99	0.005	0.22	0.00015	0.00015	—	—	16.5	16.5
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	0.25	38.8	0.0005	0.00075	0.00015	0.00015	0.0001	0.0008	0.25	0.99	0.005	0.23	0.00015	0.00015	—	—	16.6	16.6
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	0.25	38.8	0.0005	0.0005	0.00015	0.0003	0.0001	0.0001	0.25	0.97	0.005	0.22	0.00015	0.00015	—	—	16.2	16.4
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	0.25	38.8	0.001	0.001	0.00015	0.00015	0.0001	0.0001	0.25	1	0.005	0.19	0.00015	0.00015	—	—	16.7	16.7
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	0.25	41.9	0.0005	—	0.00015	—	0.0001	—	0.25	0.96	0.005	—	0.00015	—	0.039	—	16.4	—
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	1.4	52.9	0.0005	0.0005	0.0004	0.0007	0.0001	0.0003	0.25	0.91	0.005	0.005	0.00015	0.00015	—	—	13.4	13.7
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	0.25	63.2	0.00075	—	0.000225	—	0.0001	—	0.25	0.96	0.005	—	0.00015	—	0.053	—	16.8	—
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	2.9	63.2	0.00175	—	0.000275	—	0.0001	—	0.25	1.02	0.005	—	0.00015	—	0.044	—	19.7	—
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	0.25	47.1	0.0005	0.0005	0.0006	0.0007	0.0001	0.0011	0.25	1.02	0.19	0.75	0.00015	0.0006	—	—	19.7	19.9
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	0.25	48.2	0.0005	—	0.00015	—	0.0001	—	0.25	0.98	0.1	—	0.00015	—	—	—	20.3	—
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	0.25	32	0.005	—	0.00015	—	0.0001	—	0.25	1.02	0.005	—	0.00015	—	0.023	—	19.6	—
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	0.25	42	0.0005	0.0005	0.00015	0.0005	0.0001	0.0001	0.25	0.94	0.005	0.58	0.00015	0.00015	—	—	20.3	20.4
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	0.25	38.6	0.0005	—	0.00015	—	0.0001	—	0.25	0.98	0.005	—	0.00015	—	0.026	—	20.8	—
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	24.7	38.2	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.04	0.005	0.01	0.00015	0.00015	0.034	0.034	17.4	17.7
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	0.25	54.1	0.0005	0.0005	0.00015	0.00015	0.0001	0.0001	0.25	1.05	0.005	0.005	0.00015	0.00015	—	—	13.5	13.5
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	9.8	59.1	0.0005	—	0.00015	—	0.0001	—	0.25	1	0.005	—	0.00015	—	0.023	—	13.2	—
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	3.1	55.8	0.001	—	0.00015	—	0.0001	—	0.25	1.01	0.005	—	0.00015	—	0.02	—	12.6	—

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

Note: Results below the detection limit are presented as half the detection limit.

m = metre; masl = metres above sea level; MW = mine water; CaCO₃= calcium carbonate; mg/L = milligrams per litre; Diss. = dissolved; N = nitrogen; — = data not available.

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part C

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Manganese		Mercury		Molybdenum		Nickel		Nitrate-N (mg/L)	Nitrite-N (mg/L)	Nitrite-Nitrate (mg/L)	Oil & Grease (mg/L)	Ortho PO4 (mg/L)	PP Alkalinity as CaCO3 (mg/L)	Phosphorus	
						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)							Diss. (mg/L)	Total (mg/L)
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	0.0005	0.009	0.025	0.025	0.02	0.02	0.00025	0.00025	0.022	0.006	0.028	1.1	0.241	28.6	—	—
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	0.0005	0.001	0.025	0.025	0.0183	0.0208	0.00025	0.00025	0.0015	0.003	0.003	1	0.2	22.8	—	—
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	0.38	0.375	0.025	0.025	0.0143	0.0143	0.0037	0.0035	0.003	0.0015	0.003	1	0.251	0.05	—	—
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	0.0005	0.0005	0.025	0.025	0.0085	0.0082	0.00025	0.00025	0.004	0.004	0.0015	1	0.029	54.1	0.05	0.05
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	0.0005	0.0005	0.025	0.025	0.0076	0.0071	0.00025	0.00025	0.024	0.027	0.003	1	0.04	57.5	0.05	0.05
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	0.015	—	0.025	—	0.0151	—	0.0016	—	0.0015	0.0015	0.0015	1	0.243	11.9	0.3	—
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	0.279	0.294	0.025	0.025	0.0211	0.0211	0.0035	0.0057	0.004	0.0015	0.004	5	0.303	0.05	0.4	0.4
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	0.043	0.043	0.025	0.025	0.0138	0.017	0.0342	0.0335	0.0015	0.0015	0.0015	1	0.203	0.05	0.4	0.4
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	0.07	—	0.025	—	0.0058	—	0.0035	—	0.006	0.0015	0.006	1	0.086	12.5	0.1	—
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	0.257	0.254	0.025	0.025	0.021	0.201	0.0044	0.0086	0.0015	0.0015	—	1	0.124	0.05	0.2	0.3
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	0.232	—	0.025	—	0.0201	—	0.0055	—	0.0015	0.0015	—	1	0.051	0.05	0.05	—
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	0.273	—	0.26	0.025	0.0255	—	0.0054	—	0.0015	0.0015	—	1	0.061	0.05	0.05	—
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	0.2	0.2705	0.025	0.17	0.0185	0.0143	0.0026	0.0605	0.0015	0.0015	—	1	—	0.05	0.05	0.3
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	0.548	—	0.025	—	0.0291	—	0.003	—	0.01	0.0015	0.01	1	0.373	0.05	0.6	—
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	0.56	0.633	0.025	0.025	0.0206	0.0204	0.0039	0.0043	0.0015	0.0015	0.0015	1	0.365	0.05	0.6	0.6
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	0.198	—	0.025	—	0.0265	—	0.0043	—	0.179	0.049	0.228	1	0.05	0.05	0.05	—
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	0.2	0.216	0.025	0.025	0.0127	0.0134	0.0028	0.0112	0.004	0.003	0.007	1	0.15	12.8	0.1	0.2
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	0.093	—	0.025	—	0.0253	—	0.0072	—	0.19	0.037	—	1	0.123	5.1	0.1	—
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	0.189	0.202	0.025	0.025	0.0275	0.026	0.0042	0.0119	0.147	0.034	—	1	0.08	5.8	0.05	0.2
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	0.487	0.485	0.025	0.025	0.0181	0.201	0.0106	0.0107	0.006	0.0015	—	1	—	0.05	0.05	0.4
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	0.246	0.248	0.025	0.025	0.0084	0.0086	0.0045	0.0035	0.0015	0.0015	—	2.2	0.076	0.05	0.1	0.2
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	0.12	0.164	0.025	0.025	0.0199	0.0178	0.0114	0.0205	0.074	0.004	0.081	0.1	0.241	0.05	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	0.113	0.155	0.025	0.025	0.0143	0.0157	0.0143	0.0209	0.091	0.004	0.095	0.1	0.161	0.05	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	0.117	0.144	0.025	0.025	0.014	0.0143	0.0144	0.0218	0.094	0.003	0.097	0.1	0.136	0.05	—	—
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	0.097	0.109	0.025	0.025	0.0165	0.0165	0.00025	0.00025	0.006	0.0015	0.006	0.1	0.064	0.05	—	—
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	0.272	0.294	0.025	0.025	0.0378	0.0367	0.0025	0.0027	0.018	0.031	0.049	1	0.642	14.4	—	—
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	0.257	0.276	0.025	0.025	0.0372	0.0375	0.0021	0.0022	0.011	0.029	0.04	1	0.67	8.9	0.7	0.8
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	0.26	0.288	0.025	0.025	0.0375	0.04085	0.0009	0.0018	0.008	0.025	—	—	—	3.5	0.7	0.8
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	0.445	0.446	0.025	0.025	0.0393	0.04185	0.00025	0.001525	0.028	0.005	—	1	0.539	0.05	0.6	0.7
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	0.279	0.321	0.025	0.025	0.0336	0.0354	0.00025	0.00025	0.0015	0.0015	0.0015	1	0.41	0.05	—	—
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	0.382	0.382	0.025	0.025	0.0351	0.0364	0.0023	0.0023	0.009	0.003	0.012	1	0.469	0.05	0.7	0.8
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	0.394	0.412	0.025	0.025	0.0359	0.0419	0.0022	0.0036	0.0015	0.003	0.004	—	0.424	0.05	0.4	0.7
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	0.38	0.3785	0.025	0.025	0.0369	0.037	0.0006	0.001675	0.027	0.005	—	1	0.42	0.05	0.4	0.7
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	0.078	0.047	0.025	0.025	0.0265	0.0235	0.0032	0.00025	0.0015	0.004	0.006	1	0.538	9.5	—	—
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	0.079	0.0815	0.025	0.025	0.0294	0.0297	0.0024	0.003	0.0015	0.004	0.004	1	0.527	0.05	0.5	0.6
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	0.08	0.016	0.025	0.1	0.0292	0.0348	0.0027	0.0329	0.0015	0.004	0.004	1	0.534	0.05	0.6	0.6
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	0.08	0.082	0.025	0.025	0.0293	0.0291	0.0024	0.0027	0.0015	0.005	0.005	1	0.531	0.05	0.6	0.6
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	0.0805	0.016	0.025	0.025	0.02745	0.0332	0.0031	0.032	0.0015	0.004	0.004	1	0.536	0.05	0.6	0.6
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	0.087	0.086	0.025	0.025	0.0333	0.0327	0.0016	0.001	0.0015	0.0015	—	—	0.569	0.05	0.7	0.7
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	0.112	0.112	0.025	0.025	0.0259	0.025	0.0034	0.0033	0.021	0.005	—	1	0.493	4.7	0.5	0.5

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part C

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Manganese		Mercury		Molybdenum		Nickel		Nitrate-N (mg/L)	Nitrite-N (mg/L)	Nitrite-Nitrate (mg/L)	Oil & Grease (mg/L)	Ortho PO4 (mg/L)	PP Alkalinity as CaCO3 (mg/L)	Phosphorus	
						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)							Diss. (mg/L)	Total (mg/L)
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	0.212	0.143	0.025	0.025	0.0231	0.0218	0.0023	0.00025	0.0015	0.0015	0.0015	1	0.35	0.05	—	—
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	0.206	0.208	0.025	0.025	0.024	0.0242	0.0019	0.0022	0.0015	0.004	0.005	1	0.465	0.05	0.5	0.6
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	0.195	0.201	0.025	0.025	0.0225	0.0248	0.002	0.002	0.0015	0.0015	0.0015	—	0.397	0.05	0.4	0.5
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	0.197	0.169	0.025	0.025	0.0235	0.0226	0.00025	0.0028	0.008	0.004	—	1	0.289	0.05	0.4	0.5
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	0.207	0.213	0.025	0.025	0.0227	0.0239	0.0023	0.0024	0.003	0.0015	0.003	1	0.341	0.05	—	—
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	0.457	0.046	0.025	0.025	0.0405	0.0416	0.0018	0.0021	0.0015	0.0015	0.0015	1	0.559	0.05	0.6	0.9
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	0.486	0.673	0.025	0.025	0.0437	0.0436	0.0024	0.0027	0.0015	0.003	—	—	0.444	0.05	0.5	0.8
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	0.246	0.287	0.025	0.025	0.0384	0.0396	0.0076	0.0084	0.004	0.025	—	—	—	12.8	0.7	0.8
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	0.268	0.291	0.025	0.025	0.037	0.0362	0.00025	0.00025	0.023	0.005	—	1	0.695	6.1	0.6	0.7
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	0.272	0.289	0.025	0.025	0.0335	0.0362	0.00025	0.0053	0.0015	0.005	0.006	0.1	0.618	0.05	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	0.283	—	0.025	—	0.0368	—	0.0051	—	0.019	0.006	—	—	—	0.05	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	0.3	—	0.025	—	0.0347	—	0.0069	—	0.084	0.012	—	—	—	0.05	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	0.277	—	0.025	—	0.0339	—	0.006	—	0.01	0.006	—	—	—	0.05	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	0.281	—	0.025	—	0.0359	—	0.0076	—	0.005	0.006	—	—	—	0.05	—	—
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	0.448	0.462	0.025	0.025	0.038	0.0386	0.0032	0.0029	0.0015	0.003	0.007	1	0.473	0.05	—	—
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	0.467	0.504	0.025	0.025	0.0421	0.2494	0.00025	0.002025	0.003	0.003	—	—	—	0.05	0.4	0.8
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	0.486	0.5045	0.025	0.025	0.0441	0.0432	0.0008	0.00225	0.0015	0.003	—	—	—	0.05	0.4	0.7
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	0.4685	0.4815	0.025	0.025	0.0419	0.03895	0.001825	0.001975	0.029	0.005	—	1	0.416	0.05	0.6	0.7
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	0.41	0.364	0.025	0.025	0.0332	0.03	0.00025	0.0027	0.0015	0.006	—	1	0.828	0.05	0.8	0.9
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	0.0005	0.0005	0.025	0.025	0.0299	0.029	0.00025	0.00025	0.0015	0.0015	0.0015	0.1	0.0015	17.5	—	—
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	0.002	0.002	0.025	0.025	0.0257	0.026	0.0012	0.0011	0.0015	0.0015	0.0015	1	0.01	16.8	0.05	0.05
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	0.00075	0.002	0.025	0.025	0.0283	0.0301	0.003	0.0063	0.0015	0.0015	—	—	0.009	17.1	0.05	0.05
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	0.001	0.013	0.025	0.025	0.0284	0.0288	0.0045	0.0067	0.0015	0.0015	—	—	0.009	17.6	0.05	0.05
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	0.00075	0.001	0.025	0.025	0.0268	0.0294	0.0035	0.005	0.0015	0.0015	—	—	0.008	9.7	0.05	0.05
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	0.001	0.001	0.14	0.025	0.0298	0.0293	0.005	0.0053	0.0015	0.0015	—	—	0.007	12.9	0.05	0.05
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	0.001	0.002	0.025	0.025	0.02795	0.0298	0.00365	0.0057	0.0015	0.0015	—	—	0.007	11.7	0.05	0.05
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	0.0005	0.001	0.025	0.025	0.0243	0.0226	0.00025	0.00025	0.021	0.005	—	1	0.007	15	0.05	0.05
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	0.202	0.21	0.025	0.025	0.0278	0.031	0.0043	0.0352	0.049	0.005	—	1	0.161	0.05	0.2	0.3
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	0.207	—	—	—	0.0254	—	0.0043	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	0.207	0.209	0.025	0.025	0.0235	0.0229	0.0043	0.0052	0.037	0.011	—	1	0.189	0.05	0.2	0.2
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	0.209	—	—	—	0.0226	—	0.0044	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	0.211	—	—	—	0.0214	—	0.0044	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	0.201	—	0.025	—	0.0204	—	0.0042	—	—	—	—	—	0.217	0.05	0.2	—
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	0.197	—	—	—	0.0227	—	0.007	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	0.199	—	—	—	0.0215	—	0.0086	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	0.205	0.2	0.025	0.025	0.0227	0.0205	0.0077	0.0047	0.0015	0.0015	—	1	0.215	0.05	0.2	0.3
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	0.02	0.202	0.025	0.025	0.0202	0.021	0.0071	0.0049	0.0015	0.0015	—	1	0.216	0.05	0.2	0.3
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	0.196	0.193	0.025	0.025	0.0206	0.0217	0.005	0.0047	0.0015	0.0015	—	1	0.222	0.05	0.3	0.3
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	0.189	—	—	—	0.0197	—	0.0087	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	0.175	—	—	—	0.019	—	0.0071	—	—	—	—	—	—	—	—	—

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part C

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Manganese		Mercury		Molybdenum		Nickel		Nitrate-N (mg/L)	Nitrite-N (mg/L)	Nitrite-Nitrate (mg/L)	Oil & Grease (mg/L)	Ortho PO4 (mg/L)	PP Alkalinity as CaCO3 (mg/L)	Phosphorus	
						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)							Diss. (mg/L)	Total (mg/L)
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	0.175	0.194	0.025	0.025	0.0169	0.0203	0.0077	0.0047	0.0015	0.0015	—	1	0.201	0.05	0.3	0.3
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	0.195	0.235	0.025	0.025	0.0201	0.0267	0.0051	0.0067	0.0015	0.0015	—	1	0.244	0.05	0.3	0.3
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	0.176	—	—	—	0.0195	—	0.0086	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	0.112	0.187	0.025	0.025	0.02015	0.019	0.002675	0.00025	0.0015	0.0015	—	1	0.251	0.05	0.3	0.3
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	0.186	0.188	0.025	0.025	0.0193	0.0193	0.00025	0.00025	0.0015	0.0015	—	1	0.288	0.05	0.3	0.3
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	0.1955	0.186	0.025	0.025	0.01975	0.0195	0.002825	0.002625	0.005	0.0015	—	1	0.244	0.05	0.3	0.3
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	0.184	—	—	—	0.0183	—	0.00025	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	0.187	0.181	0.025	—	0.0194	0.0199	0.00025	0.00025	0.003	0.0015	—	1	0.278	0.05	0.3	0.3
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	0.18	0.197	0.025	0.025	0.0187	0.0202	0.00025	0.002775	0.0015	0.0015	—	1	0.268	0.05	0.8	0.8
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	0.183	0.182	0.025	0.025	0.0192	0.0182	0.00025	0.00025	0.0015	0.0015	—	—	0.303	0.05	0.3	0.4
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	0.184	0.197	0.025	0.025	0.0188	0.0191	0.00025	0.0035	0.003	0.0015	—	—	0.307	0.05	0.4	0.4
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	0.179	0.193	0.025	0.025	0.0192	0.0203	0.00025	0.0038	0.004	0.0015	—	—	0.276	0.05	0.4	0.4
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	0.186	0.187	0.025	0.025	0.0183	0.0201	0.00025	0.0039	0.004	0.0015	—	—	0.326	0.05	0.3	0.4
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	0.326	0.374	0.025	0.025	0.0366	0.0352	0.00025	0.00025	0.0015	0.0015	0.003	0.1	0.671	0.05	—	—
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	0.463	—	0.025	—	0.0349	—	0.0021	—	0.0015	0.003	0.005	—	0.484	8.9	0.5	—
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	0.371	—	0.025	—	0.0347	—	0.00025	—	—	—	—	—	0.9	0.05	0.7	—
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	0.248	0.261	0.025	0.025	0.037	0.0418	0.00025	0.00025	0.015	0.016	0.031	0.3	0.959	0.05	—	—
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	0.315	—	0.025	—	0.0383	—	0.0011	—	0.0015	0.024	0.025	—	0.942	0.05	1.1	—
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	0.323	0.407	0.025	—	0.03775	0.0382	0.00175	0.0022	0.0015	0.024	0.024	—	0.931	0.05	0.9	—
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	0.275	—	0.025	—	0.03555	—	0.001325	—	—	—	—	—	1.3	0.05	1.1	—
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	0.329	0.373	0.025	0.025	0.0439	0.0452	0.00025	0.00025	0.0015	0.003	0.003	1	0.508	0.05	—	—
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	0.08	—	0.025	—	0.0549	—	0.0196	—	0.0015	0.008	0.009	—	0.61	0.05	0.7	—
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	0.36	0.391	0.025	—	0.0475	0.045	0.00025	0.003	—	—	—	—	0.922	0.05	0.7	—
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	0.36	0.448	0.025	0.025	0.0416	0.0384	0.00025	0.0042	0.0015	0.004	0.003	0.1	0.563	0.05	—	—
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	0.493	—	0.025	—	0.0466	—	0.003	—	0.0015	0.004	0.005	—	0.535	0.05	0.6	—
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	0.4565	—	0.025	—	0.04635	—	0.001375	—	—	—	—	—	0.844	0.05	0.6	—
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	0.325	0.342	0.025	—	0.0402	0.0408	0.00025	0.00025	0.0015	0.003	0.005	0.1	0.736	0.05	—	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	0.363	—	0.025	—	0.0376	—	0.0021	—	—	—	—	—	1	0.05	0.9	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	0.375	—	0.025	—	0.0369	—	0.0016	—	—	—	—	—	1.1	0.05	0.9	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	0.253	0.292	0.025	—	0.0398	0.0365	0.00025	0.00025	0.009	0.003	0.012	0.1	0.87	0.05	—	—

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part C

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Manganese		Mercury		Molybdenum		Nickel		Nitrate-N (mg/L)	Nitrite-N (mg/L)	Nitrite-Nitrate (mg/L)	Oil & Grease (mg/L)	Ortho PO4 (mg/L)	PP Alkalinity as CaCO3 (mg/L)	Phosphorus	
						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)							Diss. (mg/L)	Total (mg/L)
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	0.245	0.269	0.025	—	0.0377	0.038	0.00025	0.00025	0.0015	0.003	0.004	0.1	0.993	0.05	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	0.25	0.254	0.025	—	0.0365	0.0375	0.00025	0.00025	0.005	0.004	0.009	0.1	0.96	0.05	—	—
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	0.192	—	0.025	—	0.04	—	0.0015	—	0.005	0.005	0.01	1	0.813	0.05	0.8	—
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	0.401	0.3	0.025	—	0.0429	0.0392	0.00025	0.00025	—	—	—	—	0.677	0.05	0.6	—
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	0.293	0.295	0.025	0.025	0.0343	0.0295	0.00025	0.0033	0.0015	0.004	0.005	0.1	0.435	0.05	—	—
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	0.28	—	0.025	—	0.0347	—	0.00025	—	0.003	0.0015	—	—	0.443	0.05	0.4	—
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	0.3	0.31	0.025	0.025	0.0307	0.0311	0.00025	0.0049	0.058	0.005	0.063	0.1	0.458	0.05	—	—
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	0.043	—	0.025	—	0.0395	—	0.0228	—	0.0015	0.0015	0.0015	—	0.421	0.05	0.5	—
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	0.333	—	0.025	—	0.03565	—	0.00275	—	0.004	0.0015	—	—	0.332	0.05	0.4	—
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	0.34	0.348	0.025	0.025	0.0199	0.024	0.00025	0.00025	0.0015	0.0015	0.0015	1	0.167	0.05	—	—
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	0.412	—	0.025	—	0.0235	—	0.0035	—	0.0015	0.0015	0.0015	—	0.35	0.05	0.5	—
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	0.402	—	0.025	—	0.0254	—	0.00025	—	0.0015	0.0015	—	—	0.259	0.05	0.4	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	0.212	0.2135	0.025	0.025	0.0284	0.02995	0.0019	0.00235	0.0015	0.006	0.007	1	0.67	0.05	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	0.21	0.217	0.025	0.025	0.0292	0.03	0.0021	0.0024	0.0015	0.006	0.006	1	0.678	0.05	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	0.145	0.18	0.025	0.025	0.0315	0.0266	0.00025	0.00025	0.034	0.006	0.04	1	0.636	0.05	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	0.209	0.211	0.025	0.025	0.0289	0.0282	0.002	0.0021	0.003	0.006	0.009	1	0.705	0.05	—	—
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	0.205	—	0.08	0.24	0.0298	—	0.0017	—	0.013	0.015	0.028	—	0.691	0.05	0.6	—
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	0.069	0.07	0.025	0.025	0.0267	0.026	0.00025	0.0023	0.0015	0.009	0.009	1	0.551	1.2	—	—
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	0.1095	—	0.025	—	0.02645	—	0.0029	—	0.0015	0.005	0.005	—	0.492	0.05	0.6	—
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	0.1365	—	0.025	—	0.0268	—	0.002275	—	—	—	—	—	0.511	2.4	0.5	—
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	0.228	0.227	0.025	0.025	0.0272	0.0245	0.001	0.0055	0.0015	0.0015	0.003	0.1	0.44	0.05	—	—
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	0.252	—	0.025	—	0.028	—	0.0029	—	0.0015	0.0015	0.0015	—	0.594	0.05	—	—
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	0.246	—	0.025	—	0.0328	—	0.00025	—	—	—	—	—	0.676	0.05	0.4	—
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	0.176	0.188	0.025	0.025	0.0215	0.0232	0.00025	0.00025	0.0015	0.004	0.004	1	0.269	0.05	—	—
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	0.231	—	0.025	—	0.0227	—	0.0023	—	0.0015	0.0015	0.0015	—	0.286	0.05	0.3	—
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	0.004	0.004	0.025	0.025	0.0154	0.0155	0.00025	0.0006	0.006	0.0015	0.006	1	0.179	20.6	0.2	0.2
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	0.001	0.001	0.025	0.025	0.021	0.021	0.00025	0.00025	0.0015	0.0015	0.0015	0.1	0.032	0.05	—	—
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	0.007	—	0.025	—	0.0205	—	0.0015	—	0.0015	0.0015	0.0015	—	0.025	8.2	0.05	—
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	0.008	—	0.025	—	0.0243	—	0.00025	—	—	—	—	—	0.031	2.6	0.05	—

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

Note: Results below the detection limit are presented as half the detection limit.

m = metre; masl = metres above sea level; MW = mine water; CaCO₃ = calcium carbonate; mg/L = milligrams per litre; Diss. = dissolved; N = nitrogen; PP = phenolphthalein; — = data not available.

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part D

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Potassium		pH		Selenium		Silicon		Silver		Sodium		Strontium		Sulphate Diss. (mg/L)	Sulphur		TDS (mg/L)	TSS (mg/L)	Thallium		Tin	
						Diss. (mg/L)	Total (mg/L)	— Unit	Total Unit	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	38.7	40.2	—	9.25	0.0001	0.0001	—	—	0.00005	0.00005	49.7	52	—	—	1.5	—	—	274	0.2	—	—	—	—
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	35	35.6	—	9.28	0.0001	0.0001	—	—	0.00005	0.00005	58.5	58.9	—	—	1.7	—	—	390	0.2	0.0005	0.0005	—	—
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	14.2	14.2	—	8.09	0.0001	0.0001	—	—	0.00005	0.00005	49.5	49.5	0.359	0.36	0.7	—	—	380	4	0.0005	0.0005	0.0005	0.0005
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	62.1	62.1	—	9.88	0.0001	0.0001	0.23	0.28	0.00005	0.00005	74.8	75.5	0.151	0.15	2.7	25.6	27.2	315	0.2	0.0005	0.0005	0.0005	0.0005
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	60.9	60.9	—	10.66	0.0001	0.0001	0.24	0.27	0.00005	0.00005	74.7	75.3	0.14	0.14	1.4	23.2	28.8	320	1	0.0005	0.0005	0.0005	0.0005
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	21.1	—	—	8.67	0.0001	—	4.97	—	0.00005	—	47.5	—	0.394	—	2.7	3.5	—	348	1	0.0005	—	0.0005	—
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	11	11.3	—	8.05	0.0001	0.0001	6.58	6.85	0.00005	0.0004	48.6	49.2	0.445	0.452	18.3	6.7	7	382	6	0.0005	0.0005	0.0005	0.0005
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	16.8	16.9	—	8.08	0.0001	0.0003	7.07	7.07	0.0002	0.0005	51.9	52.5	0.449	0.44	15.7	6.3	6.3	354	0.2	0.0005	0.0005	0.0005	0.0005
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	26.3	—	—	9.27	0.0001	—	2.86	—	0.00005	—	73.7	—	0.514	—	2.5	8.7	—	512	33	0.0005	—	0.0005	—
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	17	17.1	—	8.21	0.0001	0.0001	6.51	6.75	0.00005	0.0003	53.7	53.7	0.436	0.424	19.4	6.9	6.9	394	4	0.0005	0.0005	0.0005	0.0005
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	20.9	—	—	8.22	0.0001	—	6.41	—	0.00005	—	55.9	—	0.438	—	16	5.5	—	348	0.2	0.0005	—	0.0005	—
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	13.4	—	—	8.15	0.0001	—	6.49	—	0.00005	—	52.9	—	0.475	—	20.9	7.6	—	360	34	0.0005	—	0.0005	—
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	25.2	25.2	—	8.6	0.0001	0.0001	5.07	9.3	0.00005	0.00005	59.3	59.3	0.437	0.5035	11.1	4.2	4.2	374	19	0.0005	0.0005	0.0005	0.0005
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	4.98	—	—	7.77	0.0001	—	6.75	—	0.00005	—	45.3	—	0.308	—	0.05	0.1	—	340	0.2	0.0005	—	0.0005	—
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	6.03	6.12	—	7.48	0.0001	0.0001	6.04	6.04	0.00005	0.00005	49.5	49.8	0.42	0.419	0.8	0.4	0.4	360	0.2	0.0005	0.0005	0.0005	0.0005
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	10.5	—	—	8.27	0.0001	—	5.16	—	0.00005	—	44.2	—	0.302	—	5.9	1.9	—	335	104	0.0005	—	0.0005	—
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	26.2	26.2	—	9.33	0.0001	0.0001	3.31	3.63	0.00005	0.00005	65.8	65.8	0.298	0.3	1.1	8.7	8.7	395	1	0.0005	0.0005	0.0005	0.0005
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	27.2	—	—	8.93	0.0001	—	4.28	—	0.00005	—	58.7	—	0.354	—	3.4	1.3	—	298	108	0.0005	—	0.0005	—
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	23.8	24	—	8.98	0.0001	0.0001	4.46	5.02	0.00005	0.0002	58.1	58.3	0.387	0.366	2.8	1.1	1.4	350	11	0.0005	0.0005	0.0005	0.0005
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	7.22	7.28	—	7.91	0.0001	0.0001	6.64	6.64	0.00005	0.00005	59.9	60	0.569	0.583	4.6	1.8	1.8	534	3	0.0005	0.0005	0.0005	0.0005
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	13.1	13.2	—	8.54	0.0001	0.0001	6.7	6.7	0.00005	0.00005	66.7	67.5	0.795	0.806	3.8	1.4	1.4	532	1	0.0005	0.0005	0.0005	0.0005
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	9.53	9.62	—	7.8	0.0001	0.0001	—	—	0.00005	0.00005	70.9	71.2	—	—	6.2	—	—	378	0.2	0.0005	0.0005	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	8.67	8.87	—	7.94	0.0001	0.0001	—	—	0.00005	0.00005	76.1	76.3	—	—	0.2	—	—	442	0.2	0.0005	0.0005	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	8.75	9	—	7.88	0.0001	0.0001	—	—	0.00005	0.00005	77.3	78.5	—	—	0.1	—	—	492	0.2	0.0005	0.0005	—	—
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	21	21.4	—	8.06	0.0001	0.0001	—	—	0.00005	0.00005	80.7	81.9	—	—	0.7	—	—	448	0.2	—	—	—	—
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	5.9	5.9	—	9.44	0.0001	0.0001	—	—	0.00005	0.00005	33.3	33.3	0.224	0.223	6.7	—	—	246	2	0.0005	0.0005	0.0005	0.0005
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	5.9	6.04	—	9.22	0.0001	0.0001	6.76	6.94	0.00005	0.00005	33.7	34.3	0.213	0.216	6.4	2.3	2.3	230	0.2	0.0005	0.0005	0.0005	0.0005
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	5.97	6.01	—	8.32	0.0001	0.0001	6.9	6.9	0.00005	0.00005	34.7	34.7	0.215	0.234	6	2.3	2.3	235	1	0.0005	0.0005	0.0005	0.0005
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	3.9	3.9	—	7.76	0.0001	0.0001	6.83	6.9	0.00005	0.00005	35.4	35.5	0.215	0.2195	0.5	0.2	0.3	214	0.2	0.0005	0.0005	0.0005	0.0005
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	4.11	4.19	—	7.7	0.0001	0.0001	—	—	0.00005	0.00005	36.4	36.7	—	—	0.1	—	—	272	0.2	0.0005	0.0005	—	—
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	4.64	4.77	7.14	7.62	0.0001	0.0001	6.84	6.84	0.00005	0.00005	38.7	38.7	0.24	0.246	0.2	0.1	0.1	270	0.2	0.0005	0.0005	0.0005	0.0005
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	4.41	4.45	—	8.04	0.0001	0.0001	6.27	6.27	0.00005	0.00005	36.3	36.3	0.234	0.258	0.05	0.1	0.1	240	0.2	0.0005	0.0005	0.0005	0.0005
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	4.45	4.45	—	7.66	0.0001	0.0001	6.5	6.67	0.00005	0.00005	38.2	38.2	0.255	0.253	0.2	0.1	0.1	238	0.2	0.0005	0.0005	0.0005	0.0005
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	6.99	7.12	—	9.27	0.0001	0.0001	—	—	0.00005	0.00005	31.4	31.4	0.307	—	3.7	—	—	265	0.2	0.0005	0.0005	0.0005	—
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	7.57	7.57	—	8.4	0.0001	0.0001	5.07	5.46	0.00005	0.00005	34.6	34.6	0.328	0.341	3.4	1.2	1.2	240	0.2	0.0005	0.0005	0.0005	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	7.55	7.67	—	8.4	0.0001	0.0001	5.23	5.33	0.00005	0.0002	34.3	34.8	0.323	0.43	3.5	1.6	1.6	214	0.2	0.0005	0.0005	0.0005	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	7.57	7.62	—	8.4	0.0001	0.0001	5.12	5.27	0.00005	0.00005	34.4	34.6	0.328	0.326	3.4	1.7	1.7	235	0.2	0.0005	0.0005	0.0005	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	7.63	7.63	—	8.4	0.0001	0.0001	5.07	5.19	0.00005	0.00005	34.5	34.5	0.327	0.451	3.5	1.5	1.5	240	0.2	0.0005	0.0005	0.0005	0.0005
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	7.95	7.95	—	8.43	0.0001	0.0001	5.62	5.62	0.00005	0.00005	35	35.2	0.352	0.348	3	1.3	1.3	230	0.2	0.0005	0.0005	0.0005	0.0005
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	7.59	7.7	—	8.79	0.0001	0.0001	5.63	5.67	0.00005	0.00005	37.4	37.8	0.349	0.337	6.2	3.1	3.2	266	0.2	0.0005	0.0005	0.0005	0.0005
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	5	5.06	—	7.83	0.0001	0.0001	—	—	0.00005	0.00005	32.4	32.4	0.272	—	0.5	—	—	230	0.2	0.0005	0.0005	0.0005	—
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	5.26	5.34	—	7.76	0.0001	0.0001	5.56	5.56	0.00005	0.00005	32.9	33	0.281	0.286	0.1	0.1	0.1	244	0.2	0.0005	0.0005	0.0005	0.0005
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	4.95	5.12	—	8.12	0.0001	0.0001	5.15	5.15	0.														

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part D**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Potassium		pH		Selenium		Silicon		Silver		Sodium		Strontium		Sulphate Diss. (mg/L)	Sulphur		TDS (mg/L)	TSS (mg/L)	Thallium		Tin	
						Diss. (mg/L)	Total (mg/L)	— Unit	Total Unit	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	4.99	4.99	—	7.74	0.0001	0.0001	5.3	5.39	0.00005	0.00005	32	32	0.285	0.266	0.3	0.1	0.1	200	0.2	0.0005	0.0005	0.0005	0.0005
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	4.87	4.97	—	7.74	0.0001	0.0001	—	—	0.00005	0.00005	31.1	31.8	0.269	0.28	0.3	—	—	206	0.2	0.0005	0.0005	0.0005	0.0005
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	4	4.03	—	7.54	0.0001	0.0001	6.9	6.9	0.00005	0.00005	35.2	35.5	0.214	0.22	0.2	0.2	0.3	266	0.2	0.0005	0.0005	0.0005	0.0005
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	4.16	4.16	—	7.68	0.0001	0.0001	6.76	7.04	0.00005	0.00005	36.6	36.7	0.236	0.232	0.4	0.1	0.1	240	0.2	0.0005	0.0005	0.0005	0.0005
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	5.77	5.77	—	9.12	0.0001	0.0001	6.74	6.98	0.00005	0.00005	34.1	34.1	0.211	0.235	6.1	2.3	2.4	210	0.2	0.0005	0.0005	0.0005	0.0005
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	5.42	5.42	—	9.11	0.0001	0.0001	6.74	6.75	0.00005	0.00005	33.9	34	0.216	0.213	5.9	1.9	1.9	202	0.2	0.0005	0.0005	0.0005	0.0005
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	6.28	6.35	—	8.27	0.0001	0.0001	—	—	0.00005	0.00005	38.8	38.8	—	—	2.5	—	—	310	0.2	0.0005	0.0005	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	6.49	—	—	8.26	0.0001	—	—	—	0.00005	—	39.2	—	—	—	2.4	—	—	228	—	0.0005	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	6.24	—	—	8.2	0.0001	—	—	—	0.00005	—	38.5	—	—	—	2.4	—	—	234	—	0.0005	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	6.32	—	—	8.26	0.0001	—	—	—	0.00005	—	38.4	—	—	—	2.4	—	—	248	—	0.0005	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	6.33	—	—	8.25	0.0001	—	—	—	0.00005	—	38.2	—	—	—	2.3	—	—	236	—	0.0005	—	—	—
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	4.84	4.94	—	8.19	0.0001	0.0001	—	—	0.00005	0.00005	37.8	37.8	0.233	0.235	2.3	—	—	260	0.2	0.0005	0.0005	0.0005	0.0005
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	4.57	4.65	7.67	8.9	0.0001	0.0001	6.29	6.66	0.00005	0.00005	37.5	38.1	0.235	0.2495	2.1	0.6	0.7	246	0.2	0.0005	0.0005	0.0005	0.0005
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	4.58	4.71	—	8.9	0.0001	0.0001	6.38	6.42	0.00005	0.00005	37.8	38.7	0.245	0.2525	2.1	0.7	0.7	256	0.2	0.0005	0.0005	0.0005	0.0005
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	4.22	4.22	—	7.96	0.0001	0.0001	6.45	6.47	0.00005	0.00005	37.1	37.1	0.223	0.2185	1.7	0.6	0.6	224	0.2	0.0005	0.0005	0.0005	0.0005
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	3.19	3.19	—	7.65	0.0001	0.0001	6.36	6.36	0.00005	0.00005	27.5	27.5	0.167	0.157	1.3	0.5	0.5	184	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	16.1	16.1	—	9.76	0.0002	0.0002	—	—	0.00005	0.00005	38.7	38.9	—	—	45.5	—	—	250	0.2	—	—	—	—
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	15.5	15.5	—	9.59	0.0001	0.0001	1.44	1.44	0.00005	0.00005	38.9	39	0.232	0.233	35.5	12.1	12.1	232	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	16.3	16.3	—	10.23	0.0001	0.0001	1.31	1.41	0.00005	0.00005	41.8	41.9	0.261	0.268	27.8	9.98	10	200	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	15.8	16.3	—	10.23	0.0001	0.0001	1.36	2.56	0.00005	0.00005	40.9	41.9	0.271	0.278	26.9	10.2	10.2	236	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	16.4	16.4	—	10.23	0.0001	0.0001	1.31	1.34	0.00005	0.00005	42	42	0.256	0.269	27	9.94	9.94	225	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	16	16	—	10.23	0.0001	0.0001	1.37	1.39	0.00005	0.00005	41.6	41.6	0.274	0.276	27.3	10.1	10.3	230	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	16.5	16.5	—	10.23	0.0001	0.0001	1.34	1.4	0.00005	0.00005	42.1	42.1	0.2585	0.268	27.3	10.2	10.2	225	0.2	0.0005	0.0005	0.0005	0.0005
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	16.2	16.2	—	9.78	0.0001	0.0001	1.11	1.21	0.00005	0.00005	43.9	43.9	0.271	0.264	21.3	7.2	7.6	234	2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	11.8	12	—	8.91	0.0001	0.0001	6.25	6.25	0.00005	0.00005	56.2	56.5	0.594	0.62	37.7	14	14	392	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	—	—	—	8.49	—	—	—	—	0.00005	—	—	—	0.584	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	11	11	—	8.61	0.0001	0.0001	6.46	6.46	0.00005	0.00005	53.5	53.5	0.575	0.578	23.6	9.4	9.4	378	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	—	—	—	8.43	—	—	—	—	0.00005	—	—	—	0.559	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	—	—	—	—	—	—	—	—	0.00005	—	—	—	0.554	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	10.4	—	—	8.01	0.0001	—	6.46	—	0.00005	—	51.4	—	0.526	—	—	7.9	—	—	0.2	0.0005	—	0.0005	—
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	—	—	—	8.24	—	—	—	—	0.00005	—	—	—	0.578	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	—	—	—	8.21	—	—	—	—	0.00005	—	—	—	0.577	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	10.6	10.6	—	8.24	0.0001	0.0001	6.62	6.62	0.00005	0.00005	52	52	0.586	0.57	15.1	6.2	6.2	367	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	10	10.1	—	8.38	0.0001	0.0001	6.39	6.44	0.00005	0.00005	49.2	49.4	0.571	0.564	12.6	5.1	5.1	347	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	10.4	10.6	—	8.41	0.0001	0.0001	6.57	6.57	0.00005	0.00005	51.6	52	0.597	0.59	17.1	7.5	8.6	360	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	—	—	—	8.39	—	—	—	—	0.00005	—	—	—	0.566	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	—	—	—	—	—	—	—	—	0.00005	—	—	—	0.54	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	9.91	10.2	—	8.34	0.0001	0.0001	6.42	6.48	0.00005	0.00005	48.6	49.9	0.515	0.69	11.3	5.1	5.3	345	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	9.98	10	—	8.03	0.0001	0.0001	6.49	6.52	0.00005	0.00005	48.6	50.7	0.588	0.735	11.5	4.9	5.1	352	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	—	—	—	8.37	—	—	—	—	0.00005	—	—	—	0.542	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	10.1	10.1	—	8.51	0.0001	0.0001	6.47	6.47	0.00005	0.00005	49.5	49.5	0.57	0.573	10.4	4.7	4.7	352	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	10.1	10.1	—	8.58	0.0001	0.0001	6.51	6.51	0.00005	0.00005	49.5	49.5	0.559	0.572	9.5	5	5	336	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	—	—	—	8.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part D

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Potassium		pH		Selenium		Silicon		Silver		Sodium		Strontium		Sulphate Diss. (mg/L)	Sulphur		TDS (mg/L)	TSS (mg/L)	Thallium		Tin	
						Diss. (mg/L)	Total (mg/L)	— Unit	Total Unit	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	—	—	—	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	9.82	9.86	—	7.95	0.0001	0.0001	6.4	6.42	0.00005	0.00005	48.3	48.4	0.564	0.544	8.4	4.5	4.9	350	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	—	—	—	—	—	—	—	—	0.00005	—	—	—	0.548	—	—	—	—	—	—	0.0005	—	0.0005	—
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	9.91	9.91	—	8.05	0.0001	0.0001	6.47	6.47	0.00005	0.00005	48.5	48.5	0.548	0.571	8	3.9	4.4	348	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	—	7.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	—	—	—	8.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	—	8.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	—	8.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	9.6	9.6	—	8.74	0.0001	0.0001	6.28	6.28	0.00005	0.00005	47.5	47.5	0.527	0.5645	6.6	1600	1620	318	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	9.82	9.82	—	8.85	0.0001	0.0001	6.51	6.51	0.00005	0.00005	48.2	48.2	0.561	0.55	10	3.9	3.9	342	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	9.45	9.45	—	8.58	0.0001	0.0003	6.19	6.19	0.00005	0.00005	47.2	47.2	0.547	0.538	6.2	2	2.2	—	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	—	—	—	8.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	9.45	9.45	—	8.36	0.0001	0.0001	6.01	6.01	0.00005	0.00005	46.7	46.7	0.56	0.536	5.9	2.4	2.5	—	0.2	0.0005	0.0005	0.0005	0.0005
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	—	—	—	8.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	9.2	9.34	—	8.19	0.0001	0.0001	6.05	6.06	0.00005	0.00005	46.1	46.4	0.545	0.533	5.5	2.5	2.5	—	0.2	0.0005	0.0005	0.0005	0.0005
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	3.26	3.27	—	8.7	0.0001	0.0001	—	—	0.00005	0.00005	30.6	30.9	—	—	0.8	—	—	225	0.2	0.0005	0.0005	—	—
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	3.61	—	—	9.58	0.0001	—	6.45	—	0.00005	—	32.8	—	0.19	—	1	0.4	—	226	0.2	0.0005	—	0.0005	—
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	3.21	—	—	8.39	0.0002	—	6.16	—	0.00005	—	28.7	—	0.168	—	1.3	0.5	—	—	0.2	0.0005	—	0.0005	—
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	3.34	3.39	—	7.65	0.0001	0.0001	—	—	0.00005	0.00005	24.8	25.2	—	—	0.7	—	—	175	0.2	0.0005	0.0005	—	—
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	3.69	—	—	7.42	0.0001	—	6.21	—	0.00005	—	26	—	0.132	—	0.8	0.4	—	164	0.2	0.0005	—	0.0005	—
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	3.32	—	—	7.24	0.0001	—	6.04	—	0.00005	0.00005	24.1	—	0.1315	0.242	0.9	0.4	—	168	0.2	0.0005	0.0005	0.00125	0.0005
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	3.12	—	—	8.04	0.0001	—	6.01	—	0.00005	—	23	—	0.118	—	1.2	0.5	—	—	0.2	0.0005	—	0.0005	—
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	2.75	2.8	—	7.64	0.0001	0.0001	—	—	0.00005	0.00005	31.8	32	—	—	0.7	—	—	176	4	0.0005	0.0005	—	—
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	3.11	—	—	7.97	0.0001	—	7.01	—	0.0002	—	33.5	—	0.221	—	0.6	0.4	—	194	0.2	0.0005	—	0.0005	—
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	2.84	—	—	7.77	0.0001	—	6.53	—	0.00005	0.00005	31.4	—	0.171	0.155	1.1	0.5	—	—	0.2	0.0005	0.0005	0.0005	0.0005
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	3.72	3.74	—	7.81	0.0001	0.0001	—	—	0.00005	0.00005	33.8	33.9	—	—	0.8	—	—	208	0.2	0.0005	0.0005	—	—
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	3.84	—	—	7.73	0.0031	—	6.84	—	0.00005	—	34.3	—	0.205	—	0.9	0.5	—	248	0.2	0.0005	—	0.0005	—
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	3.49	—	—	7.85	0.0001	—	6.43	—	0.00005	—	31.6	—	0.186	—	1.3	0.5	—	—	0.2	0.0005	—	0.0005	—
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	4.37	4.46	—	7.5	0.0001	0.0001	—	—	0.00005	0.00005	30.5	30.6	—	—	0.5	—	—	220	0.2	—	—	—	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	4.36	—	—	8.03	0.0001	—	6.26	—	0.0001	—	27.1	—	0.18	—	0.8	0.3	—	—	0.2	0.0005	—	0.0005	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	4.55	—	—	7.72	0.0001	—	6.37	—	0.00005	—	27.6	—	0.182	—	0.8	0.3	—	—	0.2	0.0005	—	0.0005	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	4.56	4.6	—	7.54	0.0001	0.0001	—	—	0.00005	0.00005	25.3	25.6	—	—	0.5	—	—	154	1	—	—	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	4.63	4.76	—	7.57	0.0001	0.0001	—	—	0.00005	0.00005	25.4	25.9	—	—	0.5	—	—	170	1	—	—	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	4.67	4.72	—	7.68	0.0001	0.0001	—	—	0.00005	0.00005	25.2	25.4	—	—	0.4	—	—	160	0.2	—	—	—	—
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	4.84	—	—	7.98	0.0001	—	6.4	—	0.00005	—	30	—	0.19	—	0.5	0.3	—	180	4	0.0005	—	0.0005	—
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	4.17	—	—	7.93	0.0001	—	6.37	—	0.00005	0.00005	29.5	—	0.188	0.173	0.8	0.3	—	—	1	0.0005	0.0005	0.0005	0.0005
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	6.46	6.67	—	7.62	0.0001	0.0001	—	—	0.00005	0.00005	34.1	34.9	—	—	0.1	—	—	246	1	0.0005	0.0005	—	—
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	6.3	—	—	8.19	0.0001	—	5.69	—	0.00005	—	33.9	—	0.253	—	0.05	0.1	—	—	0.2	0.0005	—	0.0005	—
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	6.08	6.23	—	7.61	0.0001	0.0001	—	—	0.00005	0.00005	34.5	35.3	—	—	0.2	—	—	334	3	0.0005	0.0005	—	—
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	6.28	—	—	7.92	0.0001	—	5.85	—	0.00005	—	37.1	—	0.345	—	0.3	0.6	—	204	0.2	0.0005	—	0.0005	—
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	6.04	—	—	8.04	0.0001	—	5.9	—	0.00005	—	36.5	—	0.2795	—	1.1	0.6	—	—	0.2	0.0005	—	0.0005	—

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part D

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Potassium		pH		Selenium		Silicon		Silver		Sodium		Strontium		Sulphate Diss. (mg/L)	Sulphur		TDS (mg/L)	TSS (mg/L)	Thallium		Tin	
						Diss. (mg/L)	Total (mg/L)	— Unit	Total Unit	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)		Diss. (mg/L)	Total (mg/L)			Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	5.3	5.38	—	7.78	0.0001	0.0001	—	—	0.00005	0.00005	44.9	45	—	—	4.1	—	—	385	5	0.0005	0.0005	—	—
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	5.86	—	—	7.96	0.0001	—	6.14	—	0.00005	—	47.5	—	0.354	—	4.3	1.8	—	370	1	0.0005	—	0.0005	—
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	5.51	—	—	7.88	0.0001	—	6.29	—	0.00005	—	46.5	—	0.395	—	7.7	2.6	—	—	0.2	0.0005	—	0.0005	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	8.35	8.4	—	8.16	0.0001	0.0001	—	—	0.00005	0.00005	33.2	33.2	0.273	0.2865	1.9	—	—	230	0.2	0.0005	0.0005	0.0005	0.00075
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	8.21	8.22	—	8.16	0.0001	0.0001	—	—	0.00005	0.00005	32.9	32.9	0.275	0.286	1.9	—	—	230	0.2	0.0005	0.0005	0.0005	0.0005
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	8.21	8.28	—	8.16	0.0001	0.0001	—	—	0.00005	0.00005	33	33.3	—	—	1.9	—	—	205	0.2	0.0005	0.0005	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	8.18	8.36	—	8.16	0.0001	0.0001	—	—	0.00005	0.00005	32.8	33.7	0.272	0.268	2	—	—	196	0.2	0.0005	0.0005	0.0005	0.0005
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	8.47	—	—	7.54	0.0001	—	4.17	—	0.00005	—	34.3	—	0.292	—	1.7	0.6	—	220	0.2	0.0005	—	0.0005	—
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	9.7	9.74	—	8.32	0.0001	0.0001	—	—	0.00005	0.00005	35.4	35.7	—	—	6.5	—	—	260	1	0.0005	0.0005	—	—
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	10.3	—	—	7.58	0.0001	—	3.77	—	0.00005	—	38.5	—	0.326	—	4.5	1.5	—	260	0.2	0.0005	—	0.0005	—
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	10.2	—	—	8.81	0.0001	—	4.13	—	0.00005	—	39.5	—	0.3305	—	3.7	1.2	—	—	0.2	0.0005	—	0.0005	—
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	5.72	5.72	—	7.69	0.0001	0.0001	—	—	0.00005	0.00005	34.4	34.4	—	—	4.5	—	—	266	0.2	0.0005	0.0005	—	—
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	5.02	—	—	8.03	0.0001	—	—	—	0.00005	—	31.1	—	0.3	—	4.4	—	—	260	0.2	0.0005	—	0.0005	—
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	5.18	—	—	7.8	0.0001	—	5.64	—	0.00005	—	31.5	—	0.287	—	0.6	0.3	—	—	0.2	0.0005	—	0.0005	—
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	4.69	4.72	—	7.73	0.0001	0.0001	—	—	0.00005	0.00005	31.5	31.9	—	—	0.4	—	—	264	0.2	0.0005	0.0005	—	—
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	4.93	—	—	7.93	0.0001	—	6	—	0.00005	—	31.7	—	0.277	—	0.4	0.1	—	186	1	0.0005	—	0.0005	—
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	26.7	26.7	—	9.57	0.0001	0.0001	1.35	1.41	0.00005	0.00005	39.9	39.9	0.316	0.325	2.4	10.6	10.6	212	0.2	0.0005	0.0005	0.0005	0.0005
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	11.7	11.8	—	8.67	0.0001	0.0001	—	—	0.00005	0.00005	35	35.4	—	—	0.4	—	—	190	0.2	—	—	—	—
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	11.6	—	—	9.22	0.0001	—	0.52	—	0.00005	—	34.2	—	0.194	—	0.2	0.4	—	194	0.2	0.0005	—	0.0005	—
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	10.9	—	—	9.27	0.0001	—	0.5	—	0.00005	—	33.2	—	0.205	—	0.3	0.1	—	—	0.2	0.0005	—	0.0005	—

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

Note: Results below the detection limit are presented as half the detection limit.

m = metre; masl = metres above sea level; MW = mine water; mg/L = milligrams per litre; Diss. = dissolved; TDS = total dissolved solids; TSS = total suspended solids; — = data not available.

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part E

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Titanium		Total Alkalinity as CaCO ₃		Total Dissolved Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Phosphate (mg/L)	Uranium		Vanadium		Zinc		Isotopes		
						Diss. (mg/L)	Total (mg/L)						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Deuterium	Oxygen-18	Tritium-TU
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	0.005	0.024	179	289	0.95	0.245	—	—	—	—	0.0021	0.0213	—	—	7.5	0.005
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	0.008	0.011	188	342	0.86	0.205	—	—	—	—	0.0008	0.001	-190	-23.5	7.5	0.008
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	0.0005	0.004	181	346	0.2	0.394	0.0002	0.0008	0.0005	0.0005	0.0018	0.0023	—	—	15	0.0005
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	0.057	0.066	186	299	0.98	0.048	0.0002	0.0002	0.0005	0.0005	0.0016	0.0043	-190	-23.4	1.3	0.057
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	0.066	0.063	187	296	1.04	0.047	0.0002	0.0002	0.0005	0.0005	0.0003	0.001	-190	-23.5	0.25	0.066
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	0.0005	—	179	323	0.23	0.262	0.0002	—	0.0005	—	0.0003	—	-191	-23.7	0.25	0.0005
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	0.002	0.008	161	362	0.57	0.362	0.0002	0.0004	0.0005	0.002	0.0018	0.0117	-193	-24.4	—	0.002
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	0.006	0.005	160	379	0.32	0.289	0.0009	0.0005	0.0005	0.0005	0.0014	0.0025	-192	-24.6	0.25	0.006
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	0.0005	—	109	482	0.66	0.145	0.0002	—	0.0005	—	0.0019	—	-194	-24.6	0.4	0.0005
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	0.0005	0.022	164	384	0.3	0.259	0.0017	0.0019	0.0005	0.0005	0.0017	0.0084	-192	-24.3	0.25	0.0005
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	0.0005	—	161	389	0.31	0.23	0.0008	—	0.0005	—	0.0003	—	-192	-24.3	0.4	0.0005
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	0.0005	—	158	388	0.34	0.233	0.0007	—	0.0005	—	0.0022	—	-192	-24.2	0.4	0.0005
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	0.003	0.074	142	385	0.45	0.19	0.0002	0.00045	0.0005	0.0035	0.0013	0.08135	-192	-24.4	—	0.003
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	0.0005	—	173	300	0.08	0.577	0.0006	—	0.0005	—	0.0003	—	-187	-23.8	0.25	0.0005
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	0.0005	0.001	170	372	0.14	0.501	0.0004	0.0009	0.0005	0.0005	0.0007	0.0015	-192	-24.1	—	0.0005
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	0.0005	—	160	320	0.25	0.09	0.0256	—	0.0005	—	0.0007	—	-190	-23.5	1.5	0.0005
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	0.0005	0.004	155	372	0.67	0.18	0.001	0.0017	0.0005	0.0005	0.0003	0.0051	-192	-24.2	0.25	0.0005
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	0.0005	—	164	354	0.59	0.326	0.0005	—	0.0005	—	0.0003	—	-191	-23.9	2.3	0.0005
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	0.0005	0.011	162	366	0.43	0.156	0.0005	0.0012	0.0005	0.0005	0.001	0.0059	-191	-23.8	—	0.0005
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	0.003	0.01	156	467	0.16	0.31	0.0004	0.0022	0.0005	0.0005	0.0039	0.0059	-192	-24.6	—	0.003
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	0.004	0.005	135	559	0.18	0.138	0.0015	0.0013	0.001	0.0005	0.0041	0.0076	-192.1	-25.46	3	0.004
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	0.001	0.01	167	364	0.18	0.253	—	—	—	—	0.0003	0.0013	-192	-23.9	7.5	0.001
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	0.0005	0.0005	156	392	0.14	0.177	—	—	—	—	0.0008	0.0333	-192	-24.2	7.5	0.0005
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	0.0005	0.001	154	392	0.13	0.168	—	—	—	—	0.0028	0.005	-193	-23.9	20	0.0005
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	0.004	0.007	146	435	0.33	0.14	—	—	—	—	0.0006	0.0081	-194	-24.3	17	0.004
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	0.0005	0.0005	153	205	0.77	0.673	0.0026	0.0024	0.0005	0.0005	0.0006	0.0094	-187	-21.8	15	0.0005
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	0.0005	0.0005	151	203	0.27	0.678	0.0027	0.0027	0.0005	0.0005	0.0003	0.0162	—	—	9.4	0.0005
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	0.001	0.00125	152	200	0.44	0.668	0.0022	0.0024	0.001	0.00075	0.0016	0.0124	—	—	—	0.001
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	0.0005	0.00075	168	214	0.08	0.716	0.0019	0.00175	0.0005	0.00125	0.0201	0.03405	-182.8	-23.77	3	0.0005
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	0.0005	0.001	186	240	0.08	0.654	—	—	—	—	0.0066	0.0085	-191	-23.7	7.5	0.0005
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	0.0005	0.0005	186	245	0.1	0.717	0.0006	0.0008	0.0005	0.0005	0.0071	0.0204	-187	-23.8	0.25	0.0005
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	0.142	0.0005	180	230	0.12	0.685	0.0007	0.0006	0.0005	0.0005	0.0196	0.0203	—	—	—	0.142
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	0.0005	0.0005	180	236	0.09	0.727	0.0006	0.00075	0.0005	0.0005	0.0026	0.0123	-184	-24.33	3	0.0005
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	0.0005	0.004	178	240	0.2	0.559	0.0024	—	0.0005	—	0.0003	0.0033	-190	-23.5	7.5	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	0.0005	0.002	169	242	0.16	0.543	0.0027	0.00235	0.0005	0.0005	0.0009	0.00695	-189	-23.1	0.4	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	0.0005	0.0005	173	247	0.18	0.542	0.0024	0.002	0.0005	0.0005	0.0008	0.0025	-189	-23	0.4	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	0.0005	0.0005	171	244	0.19	0.538	0.0026	0.0027	0.0005	0.0005	0.0007	0.0061	-190	-23.4	0.4	0.0005
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	0.0005	0.0005	171	244	0.19	0.543	0.00265	0.0014	0.0005	0.0005	0.0003	0.0022	-190	-23.4	0.4	0.0005
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	0.002	0.001	173	242	0.23	0.581	0.0029	0.0028	0.0005	0.0005	0.0037	0.0085	—	—	—	0.002
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	0.002	0.002	169	267	0.14	0.538	0.0024	0.002	0.0005	0.0005	0.0003	0.0162	-183.5	-24.14	3	0.002
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	0.0005	0.006	162	216	0.21	0.506	0.0002	—	0.0005	—	0.0006	0.0018	—	—	7.5	0.0005
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	0.0005	0.0005	161	221	0.14	0.522	0.0002	0.0002	0.0005	0.0005	0.0063	0.011	—	—	0.25	0.0005
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	0.0005	0.0005	159	213	0.22	0.415	0.0002	0.0002	0.0005	0.0005	0.003	0.0104	—	—	—	0.0005
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	0.0005	0.001	154	213	0.13	0.44	0.0002	0.0002	0.0005	0.009	0.0109	0.028	-185.6	-24.36	0.4	0.0005

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part E

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Titanium		Total Alkalinity as CaCO ₃		Total Dissolved Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Phosphate (mg/L)	Uranium		Vanadium		Zinc		Isotopes		
						Diss. (mg/L)	Total (mg/L)						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Deuterium	Oxygen-18	Tritium-TU
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	0.0005	0.0005	161	214	0.2	0.504	0.0005	0.0005	0.0005	0.0005	0.0018	0.0006	—	—	7.5	0.0005
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	0.0005	0.0005	175	221	0.13	0.736	0.0018	0.0026	0.0005	0.0005	0.0019	0.0072	—	—	0.25	0.0005
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	0.0005	0.0005	179	223	0.1	0.736	0.0021	0.002	0.0005	0.0005	0.0029	0.0069	—	—	—	0.0005
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	0.001	0.002	151	196	0.43	0.673	0.0025	0.0021	0.0005	0.001	0.0003	0.0066	—	—	—	0.001
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	0.002	0.002	145	200	0.31	0.749	0.0018	0.0017	0.0005	0.0005	0.0003	0.0065	-171.9	-22.31	3	0.002
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	0.0005	0.0005	191	255	0.16	0.713	—	—	—	—	0.0003	0.0073	—	—	1.9	0.0005
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	0.003	—	194	255	—	—	—	—	—	—	0.0018	—	—	—	—	0.003
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	0.0005	—	192	252	—	—	—	—	—	—	0.0233	—	—	—	—	0.0005
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	0.002	—	190	252	—	—	—	—	—	—	0.0008	—	—	—	—	0.002
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	0.006	—	190	252	—	—	—	—	—	—	0.0003	—	—	—	—	0.006
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	0.0005	0.0005	185	242	1.65	0.683	0.0065	0.0064	0.0005	0.0005	0.0003	0.0003	-189	-23.2	7.5	0.0005
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	0.0005	0.0005	181	229	0.12	0.656	0.0053	0.0056	0.0005	0.0005	0.0009	0.00685	—	—	—	0.0005
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	0.0005	0.0005	178	228	0.12	0.642	0.0055	0.00525	0.0005	0.0005	0.0003	0.00155	—	—	—	0.0005
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	0.0005	0.00075	168	222	0.1	0.574	0.0045	0.0042	0.00125	0.0005	0.00745	0.0014	-182.1	-23.42	3	0.0005
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	0.001	0.0005	134	176	0.13	0.842	0.0008	0.001	0.0005	0.005	0.0003	0.0053	-168.3	-21.8	9.4	0.001
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	0.029	0.031	48.5	226	0.16	0.004	—	—	—	—	0.0003	0.0213	—	—	—	0.029
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	0.002	0.002	63.6	217	0.21	0.01	0.0002	0.0002	0.0005	0.0005	0.0029	0.0024	-191	-23.8	0.25	0.002
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	0.00425	0.009	70.3	223	0.11	0.012	0.0002	0.0002	0.00075	0.001	0.0003	0.0026	—	—	—	0.00425
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	0.007	0.04	71.3	220	0.19	0.016	0.0002	0.0002	0.002	0.002	0.0017	0.0098	—	—	—	0.007
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	0.0045	0.008	69.3	220	0.19	0.011	0.0002	0.0002	0.00075	0.002	0.0009	0.0021	—	—	—	0.0045
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	0.007	0.008	70	222	0.19	0.013	0.0002	0.0002	0.002	0.001	0.0016	0.0022	—	—	—	0.007
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	0.0045	0.009	70.4	223	0.19	0.013	0.0002	0.0002	0.00075	0.001	0.00055	0.003	—	—	—	0.0045
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	0.008	0.007	75.4	236	0.14	0.008	0.0002	0.0002	0.0005	0.0005	0.0003	0.0029	-182.7	-24.29	3	0.008
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	0.002	0.033	149	401	0.4	0.257	0.0002	0.0008	0.0005	0.002	0.0024	0.0186	-191.4	-24.79	0.4	0.002
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	0.002	—	—	—	—	—	0.0002	—	0.0005	—	0.0003	—	-192.2	-24.89	0.4	0.002
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	0.001	0.002	155	382	0.32	0.254	0.0002	0.0002	0.0005	0.0005	0.0003	0.0003	-189.6	-24.81	0.4	0.001
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	0.001	—	—	—	—	—	0.0002	—	0.0005	—	0.0012	—	-189.1	-24.71	0.4	0.001
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	0.001	—	—	—	—	—	0.0002	—	0.0005	—	0.0142	—	-188.6	-24.76	0.4	0.001
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	0.001	—	157	—	—	—	0.0002	—	0.0005	—	0.0003	—	—	—	—	0.001
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	0.006	—	—	—	—	—	0.0002	—	0.002	—	0.0003	—	-190.1	-24.75	0.4	0.006
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	0.006	—	—	—	—	—	0.0002	—	0.002	—	0.0024	—	-189.3	-24.69	0.4	0.006
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	0.006	0.003	161	363	0.33	0.248	0.0002	0.0002	0.0005	0.012	0.0016	0.0032	-188.7	-24.66	0.4	0.006
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	0.005	0.002	159	352	0.31	0.282	0.0002	0.0002	0.0005	0.0005	0.0003	0.0117	-190.3	-24.63	0.4	0.005

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part E

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Titanium		Total Alkalinity as CaCO ₃		Total Dissolved Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Phosphate (mg/L)	Uranium		Vanadium		Zinc		Isotopes		
						Diss. (mg/L)	Total (mg/L)						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Deuterium	Oxygen-18	Tritium-TU
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	0.007	0.004	160	356	0.3	0.262	0.0002	0.0002	0.0005	0.026	0.0018	0.0041	-188.7	-24.75	0.4	0.007
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	0.005	—	—	—	—	—	0.0002	—	0.0005	—	0.0013	—	-189.6	-24.58	0.4	0.005
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	0.006	—	—	—	—	—	0.0002	—	0.0005	—	0.0013	—	-188.2	-24.71	0.4	0.006
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	0.005	0.002	159	333	0.32	0.284	0.0002	0.0002	0.0005	0.022	0.0011	0.0058	-187.5	-24.61	0.4	0.005
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	0.003	0.002	161	336	0.3	0.271	0.0002	0.0002	0.029	0.248	0.001	0.0013	—	—	—	0.003
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	0.007	—	—	—	—	—	0.0002	—	0.0005	—	0.0018	—	-187.9	-24.48	0.4	0.007
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	0.003	0.005	159	348	0.3	0.299	0.0002	0.0002	0.0005	0.0005	0.00645	0.0073	-181	-24.66	0.25	0.003
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	0.004	0.013	158	352	0.32	0.306	0.0002	0.0002	0.0005	0.001	0.0014	0.0021	-186.3	-24.68	1.1	0.004
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	—	—	—	—	—	—	—	—	—	—	—	—	-186.5	-24.36	0.4	—
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	—	—	—	—	—	—	—	—	—	—	—	—	-183	-24.34	0.4	—
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	0.003	0.00225	160	345	0.35	0.312	0.0002	0.0002	0.0005	0.00075	0.0006	0.00645	-185.5	-24.68	0.25	0.003
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	0.004	—	—	—	—	—	0.0002	—	0.002	—	0.0015	—	-184.2	-24.42	0.4	0.004
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	0.004	0.004	159	346	0.32	0.313	0.0002	0.0002	0.002	0.0005	0.001	0.0021	-183	-24.62	0.4	0.004
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	—	—	—	—	—	—	—	—	—	—	—	—	-187.6	-24.53	0.4	—
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	-187.4	-24.42	0.4	—
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	0.0005	0.00125	161	322	0.31	0.313	0.0002	0.0002	0.004	0.02325	0.0051	0.00915	-185.6	-24.38	0.4	0.0005
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	0.005	0.008	160	331	0.28	0.309	0.0002	0.0002	0.0005	0.0005	0.0009	0.0046	-187.8	-24.37	0.4	0.005
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	0.005	0.002	158	324	0.23	—	0.0002	0.0002	0.0005	0.008	0.0011	0.0023	-178.3	-24.64	0.4	0.005
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	0.005	0.001	160	324	0.27	—	0.0002	0.0002	0.0005	0.014	0.0077	0.0014	—	—	—	0.005
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	0.003	0.002	160	320	0.22	—	0.0002	0.0002	0.0005	0.02	0.0081	0.0016	-177.6	-24.75	0.4	0.003
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	0.0005	0.007	153	198	0.07	0.757	—	—	—	—	0.0003	0.0043	—	—	—	0.0005
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	0.0005	—	156	208	0.18	0.75	0.0015	—	0.0005	—	0.0003	—	—	—	—	0.0005
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	0.0005	—	132	176	0.16	—	0.0013	—	0.0005	—	0.0008	—	—	—	—	0.0005
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	0.0005	0.015	133	150	0.09	1	—	—	—	—	0.0021	0.0032	—	—	—	0.0005
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	0.0005	—	131	151	0.26	1	0.0002	—	0.0005	—	0.0011	—	—	—	0.25	0.0005
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	0.0005	0.0005	131	147	0.27	0.998	0.0002	0.0006	0.0005	0.0005	0.0082	0.0015	—	—	—	0.0005
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	0.00075	—	114	132	0.19	—	0.0002	—	0.0005	—	0.0054	—	—	—	—	0.00075
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	0.0005	0.0005	169	197	0.08	0.714	—	—	—	—	0.0003	0.0027	—	—	—	0.0005
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	0.0005	—	167	201	0.09	0.734	0.0034	—	0.0005	—	0.0013	—	—	—	—	0.0005
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	0.0005	0.0005	147	178	0.11	—	0.0027	0.0026	0.0005	0.0005	0.0003	0.0109	—	—	—	0.0005
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	0.0005	0.0005	167	209	0.05	0.783	—	—	—	—	0.0012	0.0026	-188	-22.5	7.5	0.0005
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	0.0005	—	165	214	0.06	0.776	0.0017	—	0.021	—	0.0063	—	—	—	—	0.0005
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	0.00075	—	150	188	0.1	—	0.00135	—	0.0005	—	0.0048	—	—	—	—	0.00075
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	0.001	0.0005	159	192	0.15	3.52	—	—	—	—	0.011	0.0073	-187	-21.9	7.5	0.001
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	0.0005	—	127	162	0.13	—	0.0002	—	0.018	—	0.0008	—	—	—	—	0.0005
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	0.0005	—	129	167	0.16	—	0.0002	—	0.018	—	0.0021	—	—	—	—	0.0005
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	0.0005	0.0005	127	155	0.25	3.17	—	—	—	—	0.0003	0.0072	—	—	—	0.0005
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	0.002	0.002	126	155	0.2	3.31	—	—	—	—	0.0003	0.0079	—	—	—	0.002

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part E

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Titanium		Total Alkalinity as CaCO ₃		Total Dissolved Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Phosphate (mg/L)	Uranium		Vanadium		Zinc		Isotopes		
						Diss. (mg/L)	Total (mg/L)						Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Diss. (mg/L)	Total (mg/L)	Deuterium	Oxygen-18	Tritium-TU
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	0.002	0.0005	124	154	0.2	1.22	—	—	—	—	0.0008	0.003	—	—	—	0.002
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	0.0005	—	140	181	0.12	1.12	0.0006	—	0.0005	—	0.0003	—	—	—	—	0.0005
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	0.0005	0.001	154	184	0.18	—	0.0018	0.0006	0.0005	0.0005	0.0008	0.0009	—	—	—	0.0005
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	0.0005	0.0005	152	206	0.14	0.679	—	—	—	—	0.0006	0.0106	—	—	—	0.0005
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	0.0005	—	153	207	0.09	—	0.0004	—	0.0005	—	0.0003	—	—	—	—	0.0005
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	0.0005	0.0005	162	223	0.15	0.667	—	—	—	—	0.0013	0.0106	—	—	—	0.0005
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	0.0005	—	160	230	0.12	0.671	0.0005	—	0.0005	—	0.001	—	—	—	—	0.0005
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	0.00125	—	157	228	0.1	—	0.001	—	0.0005	—	0.0147	—	—	—	—	0.00125
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	0.0005	0.001	173	352	0.11	0.514	—	—	—	—	0.001	0.0011	—	—	—	0.0005
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	0.0005	—	173	338	0.15	0.533	0.0005	—	0.0005	—	0.0011	—	—	—	—	0.0005
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	0.005	—	173	332	0.08	—	0.0002	—	0.0005	—	0.0003	—	—	—	—	0.005
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	0.0005	0.0005	150	213	3.08	0.717	0.0021	0.00205	0.0005	0.0005	0.0039	0.00795	—	—	—	0.0005
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	0.0005	0.0005	151	215	3.74	0.714	0.002	0.0021	0.0005	0.0005	0.0007	0.0064	—	—	—	0.0005
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	0.0005	0.004	149	212	1.49	0.719	—	—	—	—	0.0003	0.0042	—	—	—	0.0005
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	0.0005	0.0005	149	215	1.57	0.705	0.0018	0.0019	0.0005	0.0005	0.0003	0.0003	—	—	—	0.0005
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	0.0005	—	147	215	0.16	0.698	0.002	—	0.0005	—	0.0027	—	—	—	—	0.0005
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	0.0005	0.009	142	230	0.13	0.537	—	—	—	—	0.0003	0.0033	—	—	—	0.0005
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	0.0005	—	145	250	0.18	0.572	0.0037	—	0.00075	—	0.0055	—	—	—	0.4	0.0005
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	0.0005	—	153	260	0.2	—	0.00275	—	0.0005	—	0.00765	—	—	—	—	0.0005
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	0.0005	0.002	155	235	0.2	0.654	—	—	—	—	0.0008	0.0051	—	—	0.4	0.0005
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	0.0005	—	160	238	0.2	0.644	0.0006	—	0.0005	—	0.0023	—	—	—	—	0.0005
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	0.001	—	161	212	0.22	—	0.0002	—	0.0005	—	0.0003	—	—	—	—	0.001
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	0.0005	0.0005	175	232	0.11	0.447	—	—	—	—	0.0003	0.0011	—	—	—	0.0005
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	0.0005	—	173	228	0.18	0.442	0.0002	—	0.0005	—	0.0003	—	—	—	—	0.0005
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	0.0005	0.0005	147	222	0.38	0.183	0.0002	0.0002	0.0005	0.0005	0.0003	0.0032	—	—	—	0.0005
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	0.005	0.004	80.9	172	0.07	0.034	—	—	—	—	0.0003	0.007	—	—	—	0.005
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	0.0005	—	78.3	173	0.13	0.04	0.0002	—	0.0005	—	0.0009	—	—	—	—	0.0005
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	0.002	—	73.1	164	0.11	—	0.0002	—	0.0005	—	0.0003	—	—	—	—	0.002

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

Note: Results below the detection limit are presented as half the detection limit.

m = metre; masl = metres above sea level; MW = mine water; mg/L = milligrams per litre; Diss. = dissolved; CaCO₃ = calcium carbonate; TU = Tritium Unit; — = data not available.

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part F**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Radionuclides							
						Gross Alpha (Bq/L)	Gross Beta (Bq/L)	Radium-226 (Bq/L)	Radium-228 (Bq/L)	Thorium-228 (Bq/L)	Thorium-230 (Bq/L)	Thorium-232 (Bq/L)	Uranium (µg/L)
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	0.7	1.8	0.04	0.025	0.005	0.005	0.005	0.25
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	0.5	1.4	0.07	0.025	0.005	0.01	0.005	0.9
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	2.9	1.3	1.1	0.02	0.005	0.02	0.005	1.2
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	0.12	1.8	0.005	0.01	0.005	0.005	0.005	0.25
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	0.27	1.7	0.01	0.02	0.005	0.005	0.005	0.25
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	0.15	0.65	0.03	0.015	0.005	0.005	0.005	0.25
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	1.1	9.5	0.4	0.06	0.01	0.01	0.01	0.25
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	0.68	1.2	0.3	0.03	0.005	0.005	0.005	0.8
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	0.25	1.4	0.09	0.03	0.01	0.05	0.03	0.025
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	0.98	0.66	0.3	0.05	0.005	0.005	0.005	2.1
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	0.57	0.89	0.3	0.015	0.005	0.005	0.005	1
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	2	1.3	0.5	0.05	0.005	0.14	0.02	19
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	0.225	1	0.19	0.05	0.005	0.005	0.005	0.25
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	4.3	2.6	1.7	0.035	0.01	0.01	0.01	1.1
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	6.8	2.7	1.9	0.04	0.005	0.005	0.005	1
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	9.3	2.4	1.8	0.035	0.01	0.03	0.01	35
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	5.2	2.6	0.02	0.015	0.005	0.01	0.005	1.8
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	—	—	—	—	—	—	—	—
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	2.6	1.6	0.85	0.02	0.005	0.005	0.005	1.2
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	2	1.8	1.5	0.06	0.005	0.02	0.005	2.5
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	1.3	1	0.5	0.09	0.005	0.005	0.005	1.3
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	—	—	—	—	—	—	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	2.7	1.8	1.6	0.02	0.005	0.02	0.005	0.6
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	3.7	1.9	1.7	0.03	0.01	0.04	0.02	0.25
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	1.3	1.7	0.6	0.02	0.005	0.02	0.005	22
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	1.2	0.9	0.55	0.11	0.005	0.005	0.005	2.9
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	—	—	—	—	—	—	—	—
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	—	—	—	—	—	—	—	—
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	1.3	0.96	0.6	0.02	0.005	0.005	0.005	1.8
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	1.3	0.6	0.45	0.015	0.005	0.09	0.005	0.9
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	—	—	—	—	—	—	—	—
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	—	—	—	—	—	—	—	—
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	1.1	0.74	0.45	0.02	0.005	0.005	0.005	0.9
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	0.6	0.4	0.25	0.015	0.005	0.005	0.005	3.4
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	—	—	—	—	—	—	—	—
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	—	—	—	—	—	—	—	—
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	—	—	—	—	—	—	—	—

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part F

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Radionuclides							
						Gross Alpha (Bq/L)	Gross Beta (Bq/L)	Radium-226 (Bq/L)	Radium-228 (Bq/L)	Thorium-2228 (Bq/L)	Thorium-230 (Bq/L)	Thorium-232 (Bq/L)	Uranium (µg/L)
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	—	—	—	—	—	—	—	—
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	—	—	—	—	—	—	—	—
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	0.69	0.51	0.3	0.02	0.005	0.005	0.005	2.7
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	0.9	0.4	0.25	0.015	0.005	0.005	0.005	1
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	—	—	—	—	—	—	—	—
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	—	—	—	—	—	—	—	—
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	0.125	0.28	0.2	0.02	0.005	0.005	0.005	0.25
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	0.7	0.5	0.25	0.07	0.005	0.01	0.005	0.7
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	—	—	—	—	—	—	—	—
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	—	—	—	—	—	—	—	—
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	—	—	—	—	—	—	—	—
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	1.3	1.1	0.6	0.02	0.005	0.005	0.005	2.1
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	—	—	—	—	—	—	—	—
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	2.2	1.9	1.1	0.02	0.005	0.005	0.005	4.5
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	0.99	0.82	0.35	0.02	0.005	0.005	0.005	1
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	—	—	—	—	—	—	—	—
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	2.4	0.19	0.01	0.02	0.005	0.005	0.005	0.25
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	—	—	—	—	—	—	—	—
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	—	—	—	—	—	—	—	—
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	—	—	—	—	—	—	—	—
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	—	—	—	—	—	—	—	—

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part F**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Radionuclides							
						Gross Alpha (Bq/L)	Gross Beta (Bq/L)	Radium-226 (Bq/L)	Radium-228 (Bq/L)	Thorium-2228 (Bq/L)	Thorium-230 (Bq/L)	Thorium-232 (Bq/L)	Uranium (µg/L)
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	—	—	—	—	—	—	—	—
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	0.115	2	0.005	0.02	0.005	0.005	0.005	0.25
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	1.2	0.91	0.45	0.13	0.005	0.005	0.005	0.7
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	1.1	0.85	0.4	0.15	0.005	0.005	0.005	0.25
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	1.5	0.68	0.35	0.17	0.005	0.005	0.005	0.25
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	0.8	0.73	0.35	0.25	0.005	0.005	0.005	0.25
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	0.71	0.84	0.4	0.08	0.005	0.005	0.005	0.25
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	1.2	0.69	0.35	0.18	0.005	0.005	0.005	0.25
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	0.66	1.3	0.4	0.13	0.005	0.005	0.005	0.25
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	1.1	0.7	0.45	0.12	0.005	0.005	0.005	0.25
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	0.86	0.63	0.35	0.02	0.005	0.01	0.005	0.25
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	0.46	0.61	0.35	0.09	0.005	0.005	0.005	0.25
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	0.92	0.74	0.35	0.2	0.005	0.005	0.005	0.25
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	0.37	0.6	0.35	0.09	0.005	0.01	0.005	0.25
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	1.1	0.68	0.35	0.09	0.005	0.005	0.005	0.25
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	0.35	0.155	0.35	0.08	0.005	0.005	0.005	0.25
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	0.67	0.56	0.35	0.11	0.005	0.005	0.005	0.25
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	1.2	0.83	0.35	0.13	0.005	0.005	0.005	0.25
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	0.57	0.66	0.35	0.09	0.005	0.01	0.005	0.25
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	—	—	—	—	—	—	—	—
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	0.75	0.69	0.35	0.03	0.005	0.005	0.005	0.25
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	—	—	—	—	—	—	—	—

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part F**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Radionuclides							
						Gross Alpha (Bq/L)	Gross Beta (Bq/L)	Radium-226 (Bq/L)	Radium-228 (Bq/L)	Thorium-2228 (Bq/L)	Thorium-230 (Bq/L)	Thorium-232 (Bq/L)	Uranium (µg/L)
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	0.61	0.73	0.4	—	0.005	0.005	0.005	0.25
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	—	—	—	—	—	—	—	—
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	—	—	—	—	—	—	—	—
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	—	—	—	—	—	—	—	—
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	—	—	—	—	—	—	—	—
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	—	—	—	—	—	—	—	—
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	—	—	—	—	—	—	—	—
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	—	—	—	—	—	—	—	—
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	—	—	—	—	—	—	—	—
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	—	—	—	—	—	—	—	—
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	—	—	—	—	—	—	—	—
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	—	—	—	—	—	—	—	—
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	—	—	—	—	—	—	—	—
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	—	—	—	—	—	—	—	—
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	3.4	3.2	1.4	0.015	0.005	0.07	0.005	16
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	—	—	—	—	—	—	—	—
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	—	—	—	—	—	—	—	—
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	—	—	—	—	—	—	—	—
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	—	—	—	—	—	—	—	—
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	—	—	—	—	—	—	—	—
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	—	—	—	—	—	—	—	—
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	—	—	—	—	—	—	—	—
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	—	—	—	—	—	—	—	—
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	—	—	—	—	—	—	—	—
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	—	—	—	—	—	—	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	—	—	—	—	—	—	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	—	—	—	—	—	—	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	—	—	—	—	—	—	—	—
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	—	—	—	—	—	—	—	—
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	—	—	—	—	—	—	—	—
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	—	—	—	—	—	—	—	—
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	—	—	—	—	—	—	—	—

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part F

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Radionuclides							
						Gross Alpha (Bq/L)	Gross Beta (Bq/L)	Radium-226 (Bq/L)	Radium-228 (Bq/L)	Thorium-2228 (Bq/L)	Thorium-230 (Bq/L)	Thorium-232 (Bq/L)	Uranium (µg/L)
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	—	—	—	—	—	—	—	—
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	—	—	—	—	—	—	—	—
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	—	—	—	—	—	—	—	—
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	—	—	—	—	—	—	—	—
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	—	—	—	—	—	—	—	—
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	—	—	—	—	—	—	—	—
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	—	—	—	—	—	—	—	—
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	—	—	—	—	—	—	—	—
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	—	—	—	—	—	—	—	—
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	—	—	—	—	—	—	—	—

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.
Note: Results below the detection limit are presented as half the detection limit.
m = metre; masl = metres above sea level; MW = mine water; Bq/L = Becquerels per litre; Diss. = dissolved; µg/L = micrograms per litre; — = data not available.

Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part G

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Field (Physical) Parameters								
						Conductivity (corrected to 25°C) (µS/cm)	Conductivity (uncorrected) (µS/cm)	Conductivity (µS/cm)	Cumulative Time - Pumping Test (days)	Dissolved Oxygen (mg/L)	Redox Potential (corrected) (mV)	Redox Potential (uncorrected) (mV)	Temperature (°C)	Water Temperature (°C)
PIPE A154-025	Pipe A154-25	26/Oct/96	Kimberlite	1239-03	MW	—	—	—	—	—	21	-200	—	3.2
PIPE A154-025	Pipe A154-25	3/Nov/96	Kimberlite	1241-06	MW	643.5	—	495	—	—	64	-157	14	3.5
PIPE A154-025	Pipe A154-25	7/Nov/96	Granite	1242-02	MW	—	—	—	—	—	91	-130	3	3.3
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-03	MW	530.15	—	461	—	1	30	-192	17	3.1
PIPE A154-026	Pipe A154-26	13/Nov/96	Granite	1245-02	MW	517.5	—	450	—	1	32	-189	17	3.2
PIPE A154-026	Pipe A154-26	15/Nov/96	Kimberlite	1246-01	MW	562.35	—	489	—	0.5	130	-91	17	3.7
PIPE A154-027	Pipe A154-27	19/Nov/96	Granite	1247-02	MW	623.3	—	542	—	0.5	102	-119	17	3.1
PIPE A154-027	Pipe A154-27	20/Nov/96	Kimberlite	1248-01	MW	639.4	—	556	—	0.5	78	-142	18	4
PIPE A154-027	Pipe A154-27	25/Nov/96	Kimberlite	0877-06	MW	895	—	895	—	0.5	104	-115	25	5.6
PIPE A154-028	Pipe A154-28	29/Nov/96	Granite	1376-01	MW	667	—	667	—	1	384	170	25	9.8
PIPE A154-028	Pipe A154-28	30/Nov/96	Granite	1376-03	MW	767.88	—	486	—	0.5	407	186	5	3
PIPE A154-028	Pipe A154-28	1/Dec/96	Kimberlite	1376-04	MW	814.2	—	590	—	0.5	381	160	10	3.4
PIPE A154-028	Pipe A154-28	3/Dec/96	Kimberlite	1377-01	MW	725.76	—	567	—	0.5	335	114	15	3.4
PIPE A154-029	Pipe A154-29	24/Nov/96	Granite	1249-06	MW	531	—	531	—	1	102	-120	25	2.4
PIPE A154-029	Pipe A154-29	26/Nov/96	Granite	0877-07	MW	683	—	683	—	1	71	-150	25	3.4
PIPE A154-029	Pipe A154-29	27/Nov/96	Granite	1375-06	MW	546	—	546	—	1	441	222	25	5
PIPE A154-029	Pipe A154-29	28/Nov/96	Kimberlite	1375-05	MW	678.3	—	646	—	0.5	198	-23	20	3.3
PIPE A154-029	Pipe A154-29	30/Nov/96	Kimberlite	1376-02	MW	674.66	—	427	—	0.5	413	192	5	3
PIPE A154-029	Pipe A154-29	1/Dec/96	Kimberlite	1376-05	MW	794.88	—	576	—	0.5	365	144	10	3.4
PIPE A154-030	Pipe A154-30	6/Dec/96	Granite	1377-07	MW	949.76	—	742	—	1	453	230	15	1.5
PIPE A154-030	Pipe A154-30	9/Dec/96	Kimberlite	1379-01	MW	1036	—	1036	—	1	427	207	25	4.4
PIPE A418-016	Pipe A418-16	23/Oct/96	Kimberlite	1236-03	MW	—	—	—	—	—	—	—	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-01	MW	—	—	—	—	—	—	—	—	—
PIPE A418-016	Pipe A418-16	24/Oct/96	Kimberlite	1236-02	MW	—	—	—	—	—	—	—	—	—
PIPE A418-016	Pipe A418-16	27/Oct/96	Kimberlite	1239-08	MW	768.6	—	732	—	—	237	15	20	2.6
PORT-A	Port A	9/Nov/96	Biotite Schist	1243-01	MW	359.68	—	281	—	—	410	187	15	1.7
PORT-A	Port A	17/Nov/96	Biotite Schist	1246-06	MW	341.55	—	297	—	1	377	154	19	1.3
PORT-A	Port A	5/Dec/96	Biotite Schist	1377-03	MW	467.2	—	365	—	2	430	216	15	9.3
PORT-A	Port A	11/Jan/97	Biotite Schist	1380-02	MW	—	—	344	—	1	303	83	17	3.1
PORT-B	Port B	3/Nov/96	Biotite Schist	1241-05	MW	422.05	—	367	—	—	231	10	17	3.3
PORT-B	Port B	23/Nov/96	Biotite Schist	1249-01	MW	420	—	400	—	0.5	200	-21	21	3.4
PORT-B	Port B	28/Nov/96	Biotite Schist	1375-04	MW	438.9	—	418	—	1	402	185	20	7.4
PORT-B	Port B	12/Jan/97	Biotite Schist	1380-05	MW	—	—	425	—	0.5	367	147	18	4.4
PORT-C	Port C	12/Nov/96	Granite	1244-01	MW	456.55	—	397	—	1	261	141	17	4.2
PORT-C	Port C	25/Nov/96	Granite	0877-01	MW	412	—	412	—	2	297	76	25	3.7
PORT-C	Port C	25/Nov/96	Granite	0877-02	MW	412	—	412	—	2	297	76	25	3.7
PORT-C	Port C	25/Nov/96	Granite	0877-03	MW	412	—	412	—	2	297	76	25	3.7
PORT-C	Port C	25/Nov/96	Granite	0877-04	MW	412	—	412	—	2	297	76	25	3.7
PORT-C	Port C	7/Dec/96	Granite	1378-01	MW	429.18	—	311	—	1	433	211	11	2.5
PORT-C	Port C	12/Jan/97	Granite	1380-04	MW	—	—	476	—	1	392	172	18	4.5
PORT-D	Port D	7/Nov/96	Biotite Granite	1242-03	MW	322.56	—	252	—	—	438	215	15	1.2
PORT-D	Port D	17/Nov/96	Biotite Granite	1246-05	MW	405.95	—	353	—	5	333	112	19	2.9
PORT-D	Port D	28/Nov/96	Biotite Granite	1375-03	MW	367.5	—	350	—	5	415	196	20	5

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part G**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Field (Physical) Parameters								
						Conductivity (corrected to 25°C) (µS/cm)	Conductivity (uncorrected) (µS/cm)	Conductivity (µS/cm)	Cumulative Time - Pumping Test (days)	Dissolved Oxygen (mg/L)	Redox Potential (corrected) (mV)	Redox Potential (uncorrected) (mV)	Temperature (°C)	Water Temperature (°C)
PORT-D	Port D	15/Jan/97	Biotite Granite	1381-02	MW	—	—	377	—	6	464	244	17	3.3
PORT-E	Port E	5/Nov/96	Quartz Biotite Granite	1242-01	MW	447.2	—	344	—	—	301	79	14	2
PORT-E	Port E	16/Nov/96	Quartz Biotite Granite	1246-04	MW	362.25	—	315	—	1	213	-10	17	1.5
PORT-E	Port E	2/Dec/96	Quartz Biotite Granite	1376-07	MW	422.4	—	330	—	1	208	-13	15	2.7
PORT-E	Port E	4/Dec/96	Quartz Biotite Granite	1377-02	MW	297.15	—	283	—	1	371	150	20	2.6
PORT-E	Port E	11/Jan/97	Quartz Biotite Granite	1380-03	MW	—	—	307	—	2	342	122	17	2.3
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-04	MW	328	—	328	—	—	334	110	25	0.5
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-05	MW	328	—	328	—	—	334	110	25	0.5
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-06	MW	328	—	328	—	—	334	110	25	0.5
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-07	MW	328	—	328	—	—	334	110	25	0.5
PORT-F	Port F	29/Oct/96	Quartz Biotite Granite	1240-08	MW	328	—	328	—	—	334	110	25	0.5
PORT-F	Port F	10/Nov/96	Quartz Biotite Granite	1243-08	MW	426.65	—	371	—	0.5	251	29	17	2.7
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-04	MW	376.32	—	294	—	0.5	414	195	15	5
PORT-F	Port F	5/Dec/96	Quartz Biotite Granite	1377-05	MW	376.32	—	294	—	0.5	414	195	15	5
PORT-F	Port F	11/Jan/97	Quartz Biotite Granite	1380-01	MW	—	—	389	—	4	304	84	20	0.4
PORT-G	Port G	15/Jan/97	Granite Pegmatite	1381-01	MW	—	—	293	—	5	313	93	17	0.9
PORT-H	Port H	26/Oct/96	Kimberlite	1239-02	MW	416.85	—	397	—	—	366	142	23	0.6
PORT-H	Port H	15/Nov/96	Kimberlite	1246-02	MW	373.75	—	325	—	0.5	320	96	17	0.7
PORT-H	Port H	7/Dec/96	Kimberlite	1378-02	MW	409.86	—	297	—	1	347	126	11	3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-03	MW	409.86	—	297	—	1	347	126	11	3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-04	MW	409.86	—	297	—	1	347	126	11	3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-05	MW	409.86	—	297	—	1	347	126	11	3
PORT-H	Port H	7/Dec/96	Kimberlite	1378-06	MW	409.86	—	297	—	1	347	126	11	3
PORT-H	Port H	12/Jan/97	Kimberlite	1380-07	MW	526	414	—	—	3	242	121	—	1.5
PT97-001	PT97-1	21/Jan/97	—	0882-01	MW	—	—	532	0	2.5	14	-206	—	3.2
PT97-001	PT97-1	21/Jan/97	—	0882-02	MW	—	—	551	4.02	1.5	292	72	—	3.2
PT97-001	PT97-1	21/Jan/97	—	0882-03	MW	—	—	545	11.02	2.5	153	-67	—	3.3
PT97-001	PT97-1	21/Jan/97	—	0882-04	MW	—	—	542	14.54	1.5	72	-148	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-06	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	0882-07	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	22/Jan/97	—	1382-01	MW	—	—	517	31.54	2	133	-87	—	3.4
PT97-001	PT97-1	22/Jan/97	—	1382-02	MW	—	—	499	38.04	1	53	-167	—	3.5

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part G**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Field (Physical) Parameters								
						Conductivity (corrected to 25°C) (µS/cm)	Conductivity (uncorrected) (µS/cm)	Conductivity (µS/cm)	Cumulative Time - Pumping Test (days)	Dissolved Oxygen (mg/L)	Redox Potential (corrected) (mV)	Redox Potential (uncorrected) (mV)	Temperature (°C)	Water Temperature (°C)
PT97-001	PT97-1	22/Jan/97	—	1382-03	MW	—	—	509	36.02	1	53	-167	—	3.4
PT97-001	PT97-1	22/Jan/97	—	1382-04	MW	—	—	502	50.32	1	332	112	—	4
PT97-001	PT97-1	22/Jan/97	—	1382-05	MW	—	—	521	27.34	1	199	-21	—	3.4
PT97-001	PT97-1	23/Jan/97	—	1382-06	MW	—	—	494	54.36	2	194	-26	—	3.6
PT97-001	PT97-1	23/Jan/97	—	1382-07	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-09	MW	—	—	488	60.22	1	110	-110	—	3.5
PT97-001	PT97-1	23/Jan/97	—	1382-10	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	23/Jan/97	—	1382-11	MW	—	—	490	62.19	3	102	-118	—	3
PT97-001	PT97-1	24/Jan/97	—	1383-01	MW	—	—	483	70.22	3	195	-25	—	4.2
PT97-001	PT97-1	24/Jan/97	—	1383-04	MW	—	—	480	78.19	2	35	-185	—	3.5
PT97-001	PT97-1	24/Jan/97	—	1383-05	MW	—	—	490	76.44	3	78	-142	—	3.6
PT97-001	PT97-1	24/Jan/97	—	1383-09	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	24/Jan/97	—	1383-10	MW	—	—	506	81.2	1.5	-7	-227	—	3.6
PT97-001	PT97-1	25/Jan/97	—	1383-02	MW	—	—	471	92.54	4	100	-120	—	4
PT97-001	PT97-1	25/Jan/97	—	1383-13	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1383-14	MW	—	—	470	99.14	3	24	-196	—	3.3
PT97-001	PT97-1	25/Jan/97	—	1383-15	MW	—	—	—	—	—	—	—	—	—
PT97-001	PT97-1	25/Jan/97	—	1384-04	MW	—	—	469	130.12	1.5	38	-182	—	3.3
PT97-001	PT97-1	25/Jan/97	—	1384-07	MW	—	—	473	97	2	26	-194	—	3.3
PT97-001	PT97-1	26/Jan/97	—	1383-06	MW	—	—	465	152.34	2	29	-191	—	3.3
PT97-001	PT97-1	26/Jan/97	—	1383-12	MW	—	—	465	146.32	2.5	21	-199	—	3.2
PT97-001	PT97-1	26/Jan/97	—	1384-01	MW	—	—	467	149.02	2	25	-195	—	3.3
PT97-001	PT97-1	26/Jan/97	—	1384-05	MW	—	—	462	142.26	1	12	-208	—	3.3
PT97-001	PT97-1	27/Jan/97	—	1386-03	MW	—	—	459	162.34	0.5	98	-122	—	3.2
PT97-001	PT97-1	27/Jan/97	—	1386-04	MW	—	—	458	167	3.5	177	-43	—	3.2
PT97-001	PT97-1	27/Jan/97	—	1386-06	MW	—	—	469	170.16	3.5	144	-76	—	3.5
PT97-001	PT97-1	27/Jan/97	—	1386-07	MW	—	—	458	174.36	2	105	-115	—	3.2
PT97-001	PT97-1	28/Jan/97	—	1386-10	MW	—	—	454	184.34	3	205	-15	—	3.3
SEEP-001	Seep 1	31/Oct/96	Granite Pegmatite	1238-03	MW	301.3	—	262	—	—	193	-30	18	1.1
SEEP-001	Seep 1	18/Nov/96	Granite Pegmatite	1247-01	MW	362.24	—	283	—	10	331	110	15	2.9
SEEP-001	Seep 1	30/Jan/97	Granite Pegmatite	1387-07	MW	—	—	218	—	6	410	187	5	0.7
SEEP-002	Seep 2	31/Oct/96	Granite Pegmatite	1238-02	MW	212.75	—	185	—	—	247	25	18	2.6
SEEP-002	Seep 2	23/Nov/96	Granite Pegmatite	1249-02	MW	255.15	—	243	—	5	217	-5	21	2.5
SEEP-002	Seep 2	27/Nov/96	Granite Pegmatite	1375-01	MW	274	—	274	—	8	278	-55	25	1.1
SEEP-002	Seep 2	30/Jan/97	Granite Pegmatite	1387-06	MW	—	—	173	—	5	394	171	5	0.8
SEEP-003	Seep 3	1/Nov/96	Biotite Schist	1241-01	MW	360.18	—	261	—	—	281	61	10	2
SEEP-003	Seep 3	21/Nov/96	Biotite Schist	1248-03	MW	341.55	—	297	—	8	314	91	17	1.6
SEEP-003	Seep 3	30/Jan/97	Biotite Schist	1387-05	MW	—	—	232	—	5	409	189	5	—
SEEP-004	Seep 4	31/Oct/96	Granite Pegmatite	1238-01	MW	—	—	—	—	—	335	113	10	2.6
SEEP-004	Seep 4	14/Nov/96	Granite Pegmatite	1245-04	MW	364.55	—	317	—	3	311	90	17	2.3
SEEP-004	Seep 4	30/Jan/97	Granite Pegmatite	1387-04	MW	—	—	252	—	5	411	188	5	1.9
SEEP-005	Seep 5	27/Oct/96	Biotite Granite	1239-04	MW	318.15	—	303	—	—	123	-99	20	2.6
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-02	MW	—	—	232	—	6	426	206	5	2.1

**Table C-2 Groundwater Quality at Diavik Mine, 1996 and 1997 Sampling Program
Part G**

Sort Order	Location	Date Sampled	Rock Type	Sample Control Number	Matrix	Field (Physical) Parameters								
						Conductivity (corrected to 25°C) (µS/cm)	Conductivity (uncorrected) (µS/cm)	Conductivity (µS/cm)	Cumulative Time - Pumping Test (days)	Dissolved Oxygen (mg/L)	Redox Potential (corrected) (mV)	Redox Potential (uncorrected) (mV)	Temperature (°C)	Water Temperature (°C)
SEEP-005	Seep 5	29/Jan/97	Biotite Granite	1387-08	MW	—	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-05	MW	254.1	—	242	—	—	111	-111	20	2.4
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-06	MW	254.1	—	242	—	—	111	-111	20	2.4
SEEP-006	Seep 6	27/Oct/96	Biotite Granite	1239-07	MW	—	—	—	—	—	—	—	—	—
SEEP-006	Seep 6	13/Nov/96	Biotite Granite	1245-01	MW	325.45	—	283	—	8	315	93	17	2.5
SEEP-006	Seep 6	29/Jan/97	Biotite Granite	1387-01	MW	—	—	213	—	7	425	205	5	1.8
SEEP-007	Seep 7	28/Oct/96	Biotite Schist	1240-03	MW	428.8	—	335	—	—	174	-47	15	3
SEEP-007	Seep 7	28/Jan/97	Biotite Schist	1385-03	MW	—	—	280	—	8	473	253	5	—
SEEP-008	Seep 8	28/Oct/96	Biotite Granite	1240-02	MW	445.44	—	348	—	—	136	-84	15	3.9
SEEP-008	Seep 8	21/Nov/96	Biotite Granite	1248-02	MW	399.05	—	347	—	6	245	24	17	3.1
SEEP-008	Seep 8	28/Jan/97	Biotite Granite	1385-02	MW	—	—	296	—	7	488	268	5	3.4
SEEP-009	Seep 9	2/Nov/96	Biotite Granite	1241-03	MW	672.75	—	585	—	—	144	-78	18	3.5
SEEP-009	Seep 9	17/Nov/96	Biotite Granite	1246-07	MW	631.35	—	549	—	1	161	-61	19	2.6
SEEP-009	Seep 9	28/Jan/97	Biotite Granite	1385-01	MW	—	—	488	—	1	357	137	5	3.3
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-02	MW	357.65	—	311	—	—	429	210	17	4.3
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-03	MW	357.65	—	311	—	—	429	210	17	4.3
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-04	MW	357.65	—	311	—	—	429	210	17	4.3
SEEP-010	Seep 10	9/Nov/96	Biotite Granite	1243-05	MW	357.65	—	311	—	—	429	210	17	4.3
SEEP-010	Seep 10	25/Nov/96	Biotite Granite	0877-05	MW	362	—	362	—	8	366	146	25	4.4
SEEP-011	Seep 11	1/Nov/96	Biotite Granite/Schist	1241-02	MW	370.3	—	322	—	—	264	84	18	3.7
SEEP-011	Seep 11	26/Nov/96	Biotite Granite/Schist	0877-08	MW	431	—	431	—	8	346	127	25	4.5
SEEP-011	Seep 11	30/Jan/97	Biotite Granite/Schist	1387-09	MW	—	—	322	—	7	534	314	5	3.2
SEEP-012	Seep 12	28/Oct/96	Granite	1240-01	MW	450.56	—	352	—	—	220	-1	15	3
SEEP-012	Seep 12	12/Nov/96	Granite	1244-02	MW	451.95	—	393	—	5	274	53	17	2.9
SEEP-012	Seep 12	30/Jan/97	Granite	1387-10	MW	—	—	281	—	7	436	216	5	3.7
SEEP-013	Seep 13	2/Nov/96	Biotite Granite	1241-04	MW	439.3	—	382	—	—	277	53	17	0
SEEP-013	Seep 13	27/Nov/96	Biotite Granite	1375-02	MW	432	—	432	—	11	390	168	25	2.4
SEEP-A154	A154 Seep	23/Nov/96	—	1249-03	MW	386.4	—	368	—	1	159	-60	21	5.4
SEEP-A418	A418 Seep	26/Oct/96	Kimberlite	1239-01	MW	325.5	—	310	—	—	276	55	23	2.8
SEEP-A418	A418 Seep	15/Nov/96	Kimberlite	1246-03	MW	282.9	—	246	—	8	388	164	17	0.4
SEEP-A418	A418 Seep	30/Jan/97	Kimberlite	1387-11	MW	—	—	241	—	6	415	195	5	2.7

Source: Data reproduced from Blowes DW, Logsdon MJ. 1998. Diavik Geochemistry Baseline Report. Prepared for Diavik Diamond Mines Inc.

Note: Results below the detection limit are presented as half the detection limit.

m = metre; masl = metres above sea level; MW = mine water; °C = degrees Celsius; µS/cm = microsiemens per centimetre; mg/L = milligrams per litre; mV = millivolt; — = data not available.