

Appendix J: Percolation Testing

Appendix J.1: Percolation Testing Summary

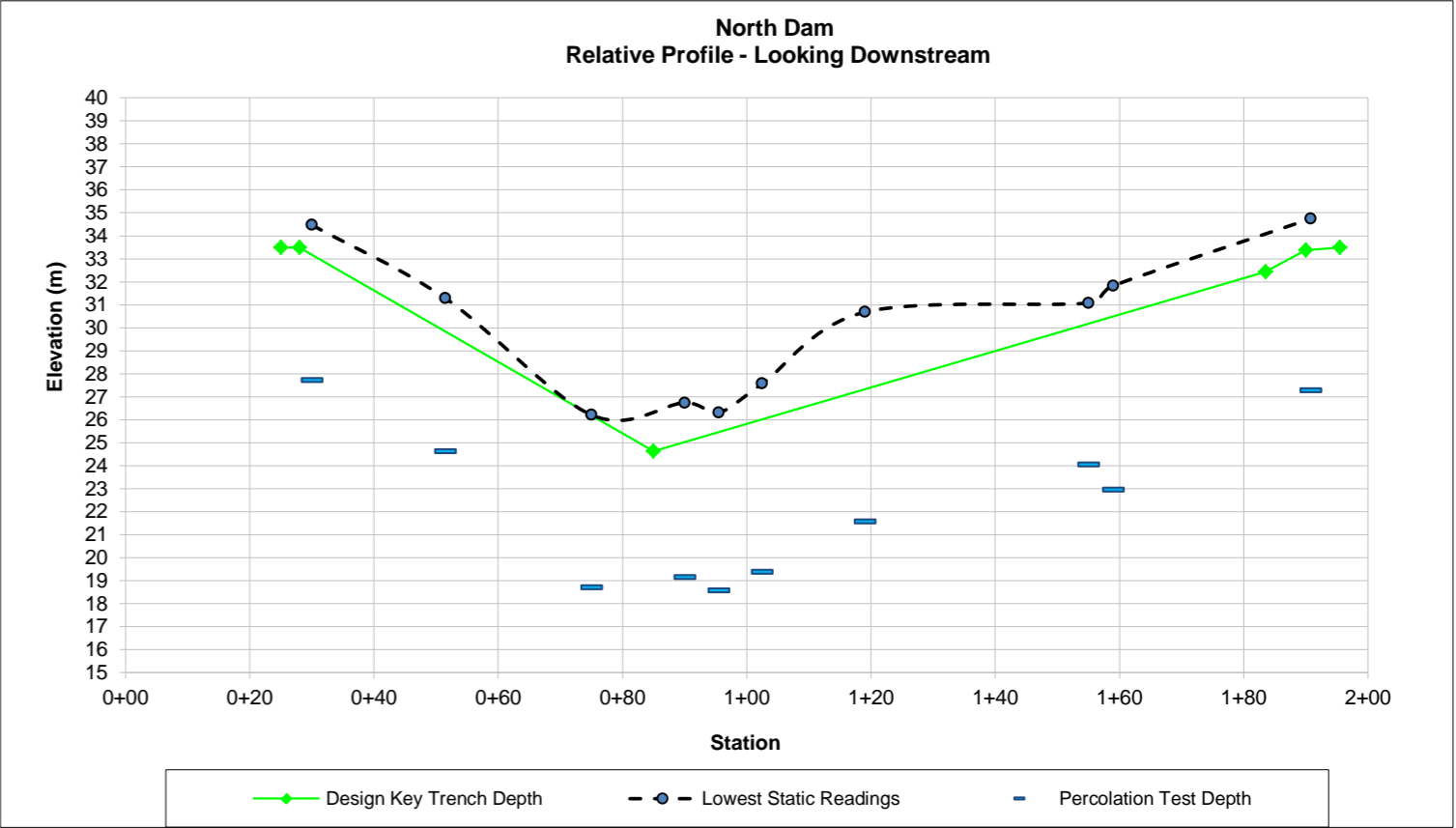
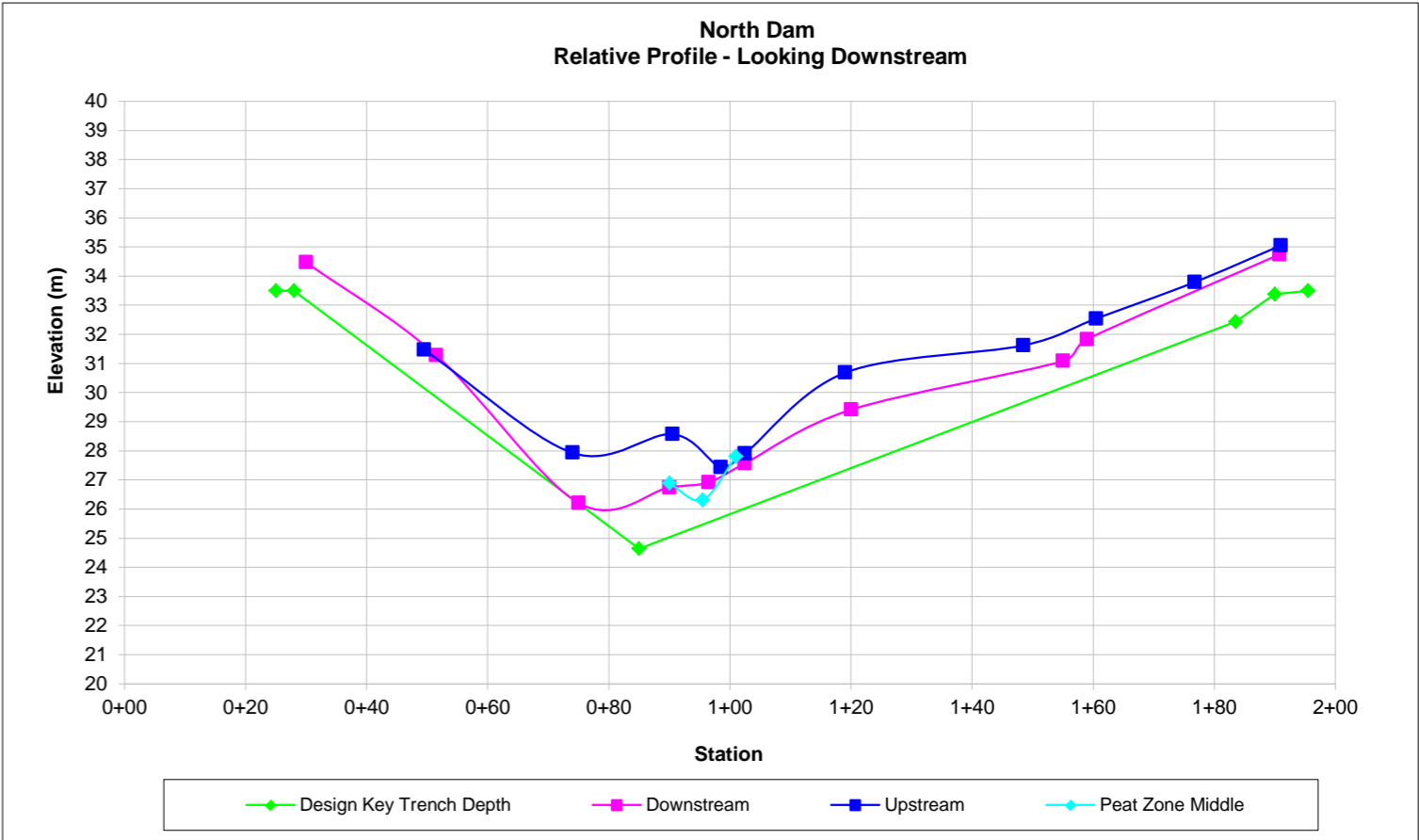
Percolation Test Summary North Dam													
	Percolation Hole ID	Station m	Northing m	Easting m	Nuna Survey DTM	Borehole OG Elevation m	Δ Elevation	OG to Datum Correction m	BoreholeDatum Elevation m	Percolation Test Depth From Datum m	Percolation Well Base Elevation	Water Level Drop from Datum m	Static Water Level
Downstream	P1	0+ 30	7,559,090.0	434,321.1	35.270	35.191	-0.079	0.150	35.041	7.55	27.72	-0.800	34.470
	P2	0+ 52	7,559,107.0	434,331.4	32.090	32.448	0.358	0.150	32.298	7.48	24.61	-0.810	31.280
	P3	0+ 75	7,559,126.0	434,348.2	27.310	27.237	-0.073	0.150	27.087	8.60	18.71	-1.100	26.210
	P4	0+ 90	7,559,137.0	434,358.2	26.840	26.773	-0.067	0.250	26.523	7.70	19.14	-0.100	26.740
	P5	0+ 97	7,559,141.0	434,362.2	26.960	27.192	0.232	0.500	26.692	9.45	17.51	-0.050	26.910
	P6	1+ 03	7,559,145.0	434,366.5	27.930	27.854	-0.076	0.200	27.654	8.55	19.38	-0.360	27.570
	P7	1+ 20	7,559,159.0	434,378.6	29.860	30.134	0.274	0.050	30.084	6.60	23.26	-0.450	29.410
	P8	1+ 55	7,559,177.0	434,395.6	31.540	31.506	-0.034	0.100	31.406	7.50	24.04	-0.460	31.080
	P9	1+ 59	7,559,186.0	434,404.0	32.190	32.069	-0.121	0.050	32.019	9.25	22.94	-0.360	31.830
	P10	1+ 91	7,559,210.0	434,424.9	34.790	34.542	-0.248	0.000	34.542	7.52	27.27	-0.050	34.740
Upstream	P12	0+ 50	7,559,100.0	434,339.6	32.250	32.559	0.309	0.100	32.459	7.40	24.85	-0.780	31.470
	P13	0+ 74	7,559,115.0	434,360.2	28.190	28.104	-0.086	0.350	27.754	8.30	19.89	-0.260	27.930
	P14	0+ 91	7,559,124.0	434,371.2	27.670	27.622	-0.048	0.300	27.322	7.80	19.87	0.900	28.570
	P15	0+ 99	7,559,129.0	434,375.2	27.770	27.544	-0.226	0.000	27.544	7.25	20.52	-0.335	27.435
	P16	1+ 03	7,559,135.0	434,379.2	28.200	27.986	-0.214	0.200	27.786	7.30	20.90	-0.290	27.910
	P17	1+ 19	7,559,149.0	434,390.1	29.860	29.847	-0.013	0.200	29.647	8.30	21.56	0.820	30.680
	P18	1+ 49	7,559,168.0	434,405.4	31.900	31.891	-0.009	0.100	31.791	7.85	24.05	-0.280	31.620
	P19	1+ 61	7,559,181.0	434,415.2	32.690	32.609	-0.081	0.150	32.459	7.80	24.89	-0.150	32.540
	P24	1+ 77	7,559,194.0	434,425.2	33.930	33.955	0.025	0.000	33.955	7.25	26.68	-0.140	33.790
	P20	1+ 91	7,559,204.0	434,431.5	35.050	34.913	-0.137	0.000	34.913	7.52	27.53	0.000	35.050
Peat Zone Middle	P23	0+ 90	7,559,131.0	434,364.6	27.170	27.396	0.226	0.350	27.046	7.30	19.87	-0.290	26.880
	P22	0+ 96	7,559,135.0	434,368.8	27.410	27.700	0.290	0.000	27.700	8.85	18.56	-1.100	26.310
	P21	1+ 01	7,559,140.0	434,372.4	28.030	28.193	0.163	0.300	27.893	8.30	19.73	-0.230	27.800

Notes:

Light Yellow = Lowest Static Readings of test hole sets
- Stations have been extraced/estimated with the assistance of AutoCAD 2011 by overlaying survey as-built info over SRK dwg DN-ND-03

FSL 33.5
Original Ground 0.00

Design Key Trench Depth (based on key trench toe points)			
Point ID	Elevation	Station	Depth
TE2	33.50	0+ 25	0.00
TE3	33.50	0+ 28	0.00
TE9	24.64	0+ 85	-8.86
TE1	32.43	1+ 84	-1.07
TE8	33.37	1+ 90	-0.13
TE7	33.50	1+ 96	0.00



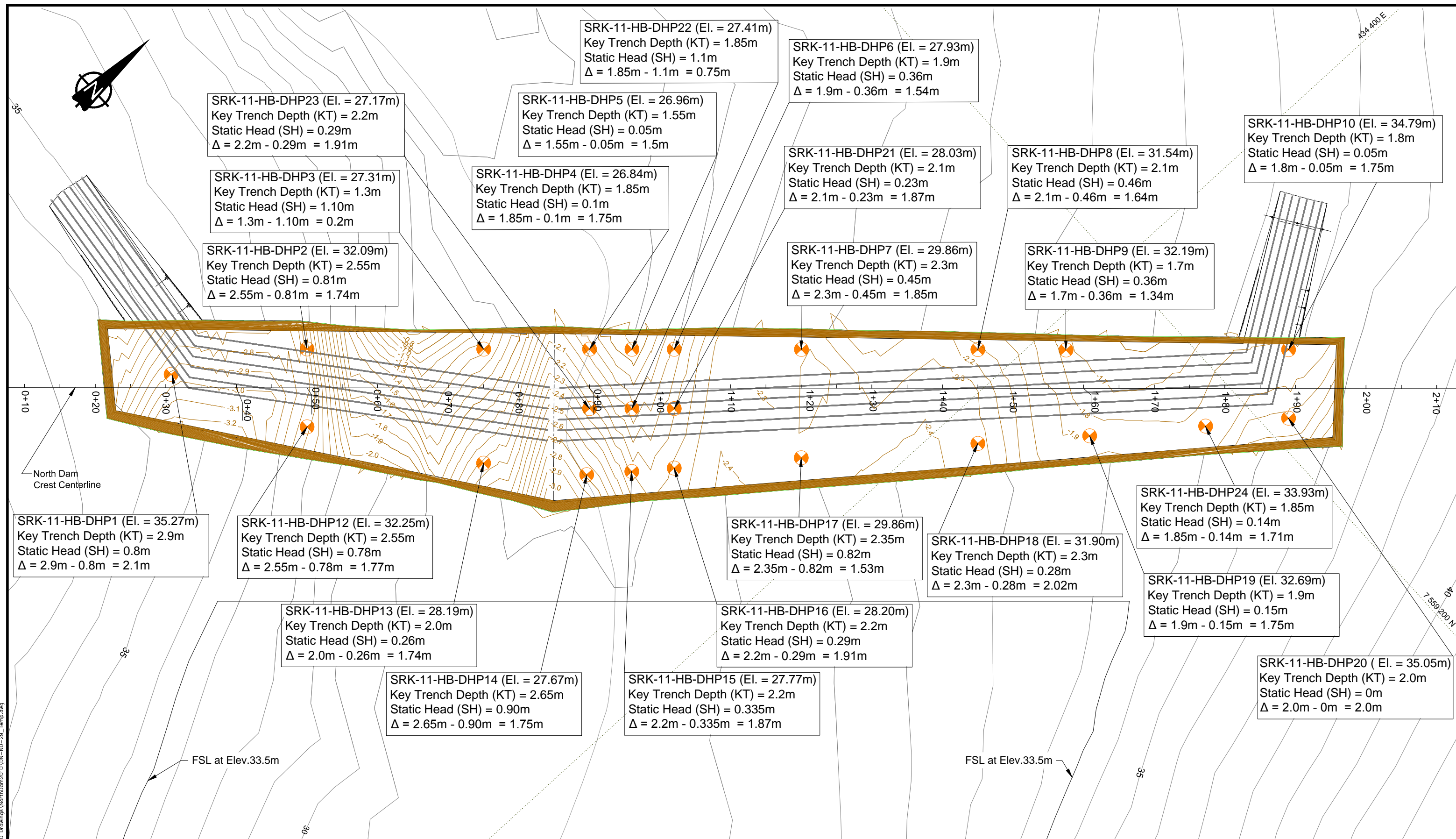
BH #	Sta.	Northing (m)	Easting (m)	Ground Elev. (m)	Date of Reading	Time of Reading	Elapsed Time (min)	Water Drop (m)	Graph
1	0+ 30	7,559,090.0	434,321.1	35.191	30-Jan-11	11:35	0	0.000	<p>P 1</p>
					30-Jan-11	11:36	1	-0.200	
					30-Jan-11	11:37	2	-0.340	
					30-Jan-11	11:40	5	-0.600	
					30-Jan-11	11:45	10	-0.690	
					30-Jan-11	11:50	15	-0.720	
					30-Jan-11	12:05	30	-0.760	
					30-Jan-11	12:20	45	-0.800	
					30-Jan-11	12:35	60	-0.800	
					30-Jan-11	13:00	85	-0.810	
					30-Jan-11	14:58	203	-0.800	
					30-Jan-11	16:31	296	-0.800	
					1-Feb-11	17:20	3225	ice	
2	0+ 50	7,559,107.0	434,331.4	32.448	30-Jan-11	12:13	0	-0.200	<p>P 2</p>
					30-Jan-11	12:14	1	-0.480	
					30-Jan-11	12:15	2	-0.560	
					30-Jan-11	12:18	5	-0.640	
					30-Jan-11	12:23	10	-0.720	
					30-Jan-11	12:34	21	-0.750	
					30-Jan-11	12:43	30	-0.780	
					30-Jan-11	13:05	52	-0.810	
					30-Jan-11	15:00	167	-0.810	
					30-Jan-11	16:10	237	-0.810	
					30-Jan-11	20:13	480	-0.810	
					1-Feb-11	17:20	3187	-0.810	
3	0+ 75	7,559,126.0	434,348.2	27.237	30-Jan-11	16:33	0	0.000	<p>P 3</p>
					30-Jan-11	16:34	1	-0.520	
					30-Jan-11	16:35	2	-0.870	
					30-Jan-11	16:38	5	-0.930	
					30-Jan-11	16:43	10	-0.930	
					30-Jan-11	16:48	15	-0.930	
					30-Jan-11	17:03	30	-0.930	
					30-Jan-11	17:18	45	-0.930	
					30-Jan-11	17:31	58	-0.930	
					30-Jan-11	18:03	90	-0.930	
					30-Jan-11	18:48	135	-0.930	
					1-Feb-11	17:20	2927	-1.100	
4	0+ 90	7,559,137.0	434,358.2	26.773	30-Jan-11	16:57	0	0.000	<p>P 4</p>
					30-Jan-11	16:58	1	-0.040	
					30-Jan-11	16:59	2	-0.060	
					30-Jan-11	17:02	5	-0.060	
					30-Jan-11	17:07	10	-0.070	
					30-Jan-11	17:18	21	-0.080	
					30-Jan-11	17:27	30	-0.100	
					30-Jan-11	18:01	64	-0.100	
					30-Jan-11	18:40	103	-0.100	
					1-Feb-11	17:20	2903	ice	
5	0+ 96	7,559,141.0	434,362.2	27.192	30-Jan-11	17:47	0	0.000	<p>P 5</p>
					30-Jan-11	17:48	1	-0.010	
					30-Jan-11	17:49	2	-0.040	
					30-Jan-11	17:57	10	-0.050	
					1-Feb-11	17:20	2853.0	ice	

BH #	Sta.	Northing (m)	Easting (m)	Ground Elev. (m)	Date of Reading	Time of Reading	Elapsed Time (min)	Water Drop (m)	Graph
6	1+ 02	7,559,145.0	434,366.5	27.854	31-Jan-11	12:44	0	0.000	<p>P 6</p>
					31-Jan-11	12:45	1	-0.090	
					31-Jan-11	12:46	2	-0.230	
					31-Jan-11	12:49	5	-0.300	
					31-Jan-11	12:54	10	-0.330	
					31-Jan-11	12:59	15	-0.360	
					31-Jan-11	14:05	81	-0.360	
					1-Feb-11	17:30	1726	ice	
7	1+ 20	7,559,159.0	434,378.6	30.134	1-Feb-11	12:05	0	0.000	<p>P 7</p>
					1-Feb-11	12:06	1	-0.230	
					1-Feb-11	12:09	4	-0.300	
					1-Feb-11	12:19	14	-0.410	
					1-Feb-11	12:41	36	-0.440	
					1-Feb-11	13:15	70	-0.440	
					1-Feb-11	17:30	325	-0.450	
8	1+ 45	7,559,177.0	434,395.6	31.506	31-Jan-11	13:27	0	0.000	<p>P 8</p>
					31-Jan-11	13:28	1	-0.300	
					31-Jan-11	13:29	2	-0.350	
					31-Jan-11	13:32	5	-0.380	
					31-Jan-11	13:37	10	-0.410	
					31-Jan-11	13:42	15	-0.450	
					31-Jan-11	14:09	42	-0.460	
					1-Feb-11	17:00	1653	ice	
9	1+ 65	7,559,186.0	434,404.0	32.069	31-Jan-11	13:48	0	0.000	<p>P 9</p>
					31-Jan-11	13:49	1	-0.250	
					31-Jan-11	13:50	2	-0.300	
					31-Jan-11	13:57	9	-0.360	
					31-Jan-11	14:19	31	-0.360	
					1-Feb-11	16:58	1630	ice	
10	1+ 89	7,559,210.0	434,424.9	34.542	28-Jan-11	13:49	0	0.000	<p>P 10</p>
					28-Jan-11	13:50	1	0.000	
					28-Jan-11	13:51	2	0.000	
					28-Jan-11	13:57	8	-0.050	
11	Not drilled								

BH #	Sta.	Northing (m)	Easting (m)	Ground Elev. (m)	Date of Reading	Time of Reading	Elapsed Time (min)	Water Drop (m)	Graph
12	0+ 50	7,559,100.0	434,339.6	32.559	30-Jan-11	10:56	0	-0.240	P 12
					30-Jan-11	10:57	1	-0.440	
					30-Jan-11	10:59	3	-0.510	
					30-Jan-11	11:01	5	-0.570	
					30-Jan-11	11:07	11	-0.700	
					30-Jan-11	11:14	18	-0.750	
					30-Jan-11	11:26	30	-0.760	
					30-Jan-11	11:42	46	-0.770	
					30-Jan-11	11:56	60	-0.770	
					30-Jan-11	13:03	127	-0.780	
					30-Jan-11	14:52	236	-0.780	
					30-Jan-11	16:29	333	-0.780	
					1-Feb-11	17:17	3261	ice	
13	0+ 75	7,559,115.0	434,360.2	28.104	1-Feb-11	10:51	0	0.000	P 13
					1-Feb-11	10:52	1	-0.140	
					1-Feb-11	10:53	2	-0.170	
					1-Feb-11	10:56	5	-0.200	
					1-Feb-11	11:01	10	-0.250	
					1-Feb-11	11:06	15	-0.250	
					1-Feb-11	11:26	35	-0.260	
					1-Feb-11	12:47	116	-0.260	
					1-Feb-11	13:19	148	-0.260	
					1-Feb-11	17:15	384	ice	
14	0+ 90	7,559,124.0	434,371.2	27.622	30-Jan-11	10:02	0	0.000	P 14
					30-Jan-11	10:03	1	-0.090	
					30-Jan-11	10:04	2	-0.190	
					30-Jan-11	10:07	5	-0.310	
					30-Jan-11	10:12	10	-0.440	
					30-Jan-11	10:19	17	-0.490	
					30-Jan-11	10:32	30	-0.560	
					30-Jan-11	10:46	44	-0.590	
					30-Jan-11	11:04	62	-0.610	
					30-Jan-11	12:02	120	-0.650	
					30-Jan-11	15:00	298	-0.750	
					30-Jan-11	16:06	364	-0.750	
					1-Feb-11	17:12	3310	-0.900	
15	0+ 96	7,559,129.0	434,375.2	27.544	29-Jan-11	14:00	0	0.000	P 15
					29-Jan-11	14:03	3	-0.070	
					29-Jan-11	14:05	5	-0.100	
					29-Jan-11	14:08	8	-0.150	
					29-Jan-11	14:12	12	-0.190	
					29-Jan-11	14:15	15	-0.210	
					29-Jan-11	14:30	30	-0.270	
					29-Jan-11	14:45	45	-0.320	
					29-Jan-11	15:00	60	-0.335	
					1-Feb-11	17:10	4510	ice	
16	1+ 02	7,559,135.0	434,379.2	27.986	1-Feb-11	11:15	0	0.000	P 16
					1-Feb-11	11:16	1	-0.150	
					1-Feb-11	11:17	2	-0.200	
					1-Feb-11	11:24	9	-0.260	
					1-Feb-11	12:45	90	-0.290	
					1-Feb-11	13:17	122	-0.290	
					1-Feb-11	17:08	353	ice	

BH #	Sta.	Northing (m)	Easting (m)	Ground Elev. (m)	Date of Reading	Time of Reading	Elapsed Time (min)	Water Drop (m)	Graph
17	1+ 20	7,559,149.0	434,390.1	29.847	1-Feb-11	11:51	0	0.000	P 17
					1-Feb-11	11:52	1	-0.550	
					1-Feb-11	11:53	2	-0.580	
					1-Feb-11	11:56	5	-0.610	
					1-Feb-11	11:59	8	-0.620	
					1-Feb-11	12:09	18	-0.620	
					1-Feb-11	13:15	84	-0.700	
					1-Feb-11	17:05	314	-0.820	
18	1+ 45	7,559,168.0	434,405.4	31.891	1-Feb-11	12:30	0	0.000	P 18
					1-Feb-11	12:31	1	-0.200	
					1-Feb-11	12:32	2	-0.220	
					1-Feb-11	12:34	4	-0.260	
					1-Feb-11	12:40	10	-0.280	
					1-Feb-11	13:13	43	-0.280	
					1-Feb-11	17:02	272	ice	
19	1+ 65	7,559,181.0	434,415.2	32.609	31-Jan-11	11:58	0	0.000	P 19
					31-Jan-11	11:59	1	-0.050	
					31-Jan-11	12:00	2	-0.070	
					31-Jan-11	12:07	9	-0.120	
					31-Jan-11	12:58	60	-0.150	
					31-Jan-11	14:11	133	-0.150	
					1-Feb-11	16:56	1738	-0.150	
20	1+ 89	7,559,204.0	434,431.5	34.913	28-Jan-11	14:08	0	0.000	P 20
					28-Jan-11	14:09	1	0.000	
					28-Jan-11	14:10	2	0.000	
					28-Jan-11	14:15	7	0.000	
					28-Jan-11	14:20	12	0.000	
					1-Feb-11	17:00	5932	ice	
21	1+ 02	7,559,140.0	434,372.4	28.193	1-Feb-11	11:29	0	0.000	P 21
					1-Feb-11	11:30	1	-0.100	
					1-Feb-11	11:31	2	-0.120	
					1-Feb-11	11:43	14	-0.220	
					1-Feb-11	12:43	74	-0.230	
					1-Feb-11	13:20	111	-0.230	
					1-Feb-11	17:30	361	ice	
22	0+ 96	7,559,135.0	434,368.8	27.700	28-Jan-11	14:43	0	0.000	P 22
					28-Jan-11	14:44	1	-0.740	
					28-Jan-11	14:45	2	-0.900	
					28-Jan-11	14:47	4	-1.000	
					28-Jan-11	14:50	7	-1.100	
					28-Jan-11	14:55	12	-1.100	
					1-Feb-11	buried			

BH #	Sta.	Northing (m)	Easting (m)	Ground Elev. (m)	Date of Reading	Time of Reading	Elapsed Time (min)	Water Drop (m)	Graph
23	0+ 90	7,559,131.0	434,364.6	27.396	30-Jan-11	17:21	0	0.000	<div>P 23</div>
					30-Jan-11	17:22	1	-0.020	
					30-Jan-11	17:23	2	-0.060	
					30-Jan-11	17:26	5	-0.100	
					30-Jan-11	17:31	10	-0.150	
					30-Jan-11	17:42	21	-0.220	
					30-Jan-11	17:58	37	-0.280	
					30-Jan-11	17:58	37	-0.290	
					30-Jan-11	18:44	83	-0.290	
					30-Jan-11	19:10	109	-0.290	
					1-Feb-11	17:28	2887	ice	
24	1+ 80	7,559,194.0	434,425.2	33.955	31-Jan-11	11:45	0	0.000	<div>P 24</div>
					31-Jan-11	11:46	1	-0.030	
					31-Jan-11	11:47	2	-0.060	
					31-Jan-11	11:50	5	-0.090	
					31-Jan-11	11:55	10	-0.110	
					31-Jan-11	12:00	15	-0.140	
					31-Jan-11	12:06	21	-0.140	
					31-Jan-11	12:56	71	-0.140	
					31-Jan-11	14:12	147	-0.140	
					1-Feb-11	16:53	1748	ice	



J:\01_SITES\Hope Bay\ACAD\2010 Drawings\North Dam\DN-ND-29_Temp.dwg

Appendix J.2: Percolation Hole Logs and Moisture Content

Moisture Content Determination and Sample Description

Date Sampled: Jan 25, 2011		Date Tested: February 13, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P1	9.01	0 - 0.5m	Clay, some sand, trace silt, organics, wet, brown.	34.9%
	9.02	0.5 - 1.0m	Clay, some sand, trace silt, moist, brown.	61.7%
	9.03	1.0 - 1.5m	Sand, trace silt, damp, brown.	26.5%
	9.04	1.5 - 2.0m	Sand, trace silt, damp, brown.	25.1%
	9.05	2.0 - 3.0m	Sand, moist, brown.	26.0%
	9.06	3.0 - 4.0m	Sand, trace gravel, silt, moist, brown.	17.6%
	9.07	4.0 - 5.0m	Sand, trace gravel, silt, damp, brown.	14.4%
	9.08	5.0 - 6.0m	Sand, trace gravel, silt, damp, brown.	18.0%
	9.09	6.0 - 7.0m	Sand, trace gravel, silt, damp, brown.	18.2%
	9.10	7.0 - 8.0m	Sand, trace gravel, silt, damp, brown.	18.3%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

Date Sampled: Jan 24, 2011		Date Tested: Feb 5, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P4	6.01	0.0-0.5	Peatmoss, water, dark brown; some ice and snow from surface incorporated at start of drilling.	715.5%
	6.02	0.5-1.0	Peatmoss, clay, trace sand, wet, brown.	65.8%
	6.03	1.0-1.5	Peatmoss, clay, water, trace sand, grey.	81.0%
	6.04	1.5-2.0	Peatmoss, clay, water, trace sand, grey.	104.3%
	6.05	2.0-3.0	Peatmoss, clay, water, trace sand, grey.	105.6%
	6.06	3.0-4.0	Clay, peatmoss, water, trace sand, grey.	170.7%
	6.07	4.0-5.0	Clay, sandy, wet, grey.	32.1%
	6.08	5.0-6.0	Sand, some clay, wet, grey.	21.2%
	6.09	6.0-7.0	Sand, damp, grey.	19.2%
	6.1	7.0-7.7	Sand, damp, grey.	16.0%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

[illegible]

Moisture Content Determination and Sample Description

Date Sampled: Jan 25, 2011		Date Tested: February 15, 2011		
By: John Kurylo		By: Garry Dang-Vuu		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P13	11.01	0 - 0.5m	Sand, some clay, trace silt, brown.	15.8%
	11.02	0.5 - 1.0m	Clay, some sand, trace silt, grey.	32.5%
	11.03	1.0 - 1.5m	Clay, trace sand, silt, wet, grey.	34.5%
	11.04	1.5 - 2.0m	Clay, some sand, saturated, brown.	54.6%
	11.05	2.0 - 3.0m	Clay, some sand, trace silt, saturated, dark brown.	82.9%
	11.06	3.0 - 4.0m	Clay, some sand, trace silt, wet, mottled dark grey/ brown.	34.3%
	11.07	4.0 - 5.0m	Clay, some sand, trace silt, wet, mottled grey/ brown.	35.0%
	11.08	5.0 - 6.0m	Clay, some sand, trace silt, wet, mottled grey/ brown.	34.3%
	11.09	6.0 - 7.0m	Clay, sandy, trace silt, wet, dark grey.	35.8%
	11.10	7.0 - 8.0m	Sand, trace silt, saturated, brown.	16.1%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

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Moisture Content Determination and Sample Description

Date Sampled: Jan 27, 2011		Date Tested: Feb 4, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P19	21.01	0 - 0.5	Sand, trace clay, trace organics, damp, brown.	14.7%
	21.02	0.5 - 1.0	Sand, trace clay, trace organics, wet, brown.	20.3%
	21.03	1.0 - 1.5	sand, water, clay, brown/grey.	84.3%
	21.04	1.5 - 2.0	Clay, water, some sand, rock pieces, grey.	58.0%
	21.05	2.0 - 3.0	Clay, trace sand, wet, grey.	37.8%
	21.06	3.0 - 4.0	Clay, trace sand, wet, grey.	45.2%
	21.07	4.0 - 5.0	Clay, trace sand, wet, grey.	49.8%
	21.08	5.0 - 6.0	Clay, rock pieces, damp, grey.	13.5%
	21.09	6.0 - 7.0	Rock pieces, trace clay, dry, grey.	3.5%
	21.10	7.0 - 8.0	Rock pieces, dry, grey.	1.3%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

Date Sampled: Jan 27, 2011		Date Tested: Feb 4, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P20	22.01	0 - 0.5	Sand, some rock chips, trace clay, trace organics, moist, brown.	7.2%
	22.02	0.5 - 1.0	Sand, rock chips, moist, brown.	8.9%
	22.03	1.0 - 1.5	Sand, rock chips, trace clay, wet, grey.	15.3%
	22.04	1.5 - 2.0	Rock chips, moist, grey.	3.4%
	22.05	2.0 - 3.0	Rock chips, dry, grey.	0.4%
	22.06	3.0 - 4.0	Rock chips, dry, grey.	0.3%
	22.07	4.0 - 5.0	Rock chips, dry, grey.	0.4%
	22.08	5.0 - 6.0	Rock chips, dry, grey.	0.4%
	22.09	6.0 - 8.0	Rock chips, dry, grey.	0.4%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

Date Sampled: Jan 26, 2011		Date Tested: Feb 2, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P21	17.01	0 - 0.5	Sand, trace clay, trace organics, damp, brown.	18.5%
	17.02	0.5 - 1.0	Sand, water, trace clay, grey.	96.4%
	17.03	1.0 - 1.5	Clay, water, trace sand, grey.	113.0%
	17.04	1.5 - 2.0	Clay, water, trace sand, grey.	71.6%
	17.05	2.0 - 3.0	Clay, water, trace sand, grey.	64.3%
	17.06	3.0 - 4.0	Clay, water, trace sand, grey.	54.5%
	17.07	4.0 - 5.0	Clay, water, trace sand, grey.	60.2%
	17.08	5.0 - 6.0	Clay, trace sand, wet, grey.	56.5%
	17.09	6.0 - 7.0	Clay, trace sand, wet, grey.	58.4%
	17.1	7.0 - 8.0	Clay, sandy, Trace pebbles, wet, grey.	39.6%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

Date Sampled: Jan 26, 2011		Date Tested: Feb 1, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P22	16.01	0 - 0.5	Peatmoss, water, brown. Some ice and snow from start of borehole drilling expected to have been present.	1126.8%
	16.02	0.5 - 1.0	Peatmoss, water, brown	346.1%
	16.03	1.0 - 1.5	Peatmoss, water, brown	180.1%
	16.04	1.5 - 2.0	Peatmoss, water, brown	309.2%
	16.05	2.0 - 3.0	Peatmoss, water, brown	75.0%
	16.06	3.0 - 4.0	Peatmoss with clay, water, trace sand, brown-grey	55.9%
	16.07	4.0 - 5.0	Clay, Tr.sand, wet, grey	50.4%
	16.08	5.0 - 6.0	Clay, Tr.sand, wet, grey	61.1%
	16.09	6.0 - 7.0	Sand & Clay, wet, grey	30.8%
	16.10	7.0 - 8.0	Sand, trace clay, wet, grey	23.6%
	16.11	8.0 - 9.0	Sand, rock pieces, wet, grey	15.4%
	16.12	9.0 - 10.0	Sand, fine grained, damp, dry	16.1%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

Date Sampled: Jan 26, 2011		Date Tested: Feb 1, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P23	15.01	0 - 0.5	Peatmoss, wet, brown; some ice and snow incorporated at start of drilling.	491.7%
	15.02	0.5 - 1.0	Peatmoss, wet, brown.	320.9%
	15.03	1.0 - 1.5	Peatmoss, some sand, wet, brown.	74.5%
	15.04	1.5 - 2.0	Peatmoss, trace sand, wet, brown.	173.0%
	15.05	2.0 - 3.0	Peatmoss, trace sand, wet, brown.	119.4%
	15.06	3.0 - 4.0	Peatmoss, wet, brown-black.	242.6%
	15.07	4.0 - 5.0	Peatmoss with clay, trace sand, wet, grey.	61.7%
	15.08	5.0 - 6.0	Peatmoss, clay, sand, wet, grey.	36.7%
	15.09	6.0 - 7.0	Clay, sand, trace organic's, grey.	23.4%
	15.10	7.0 - 8.0	Sand, some clay, brown.	20.6%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

Date Sampled: Jan 28, 2011		Date Tested: Feb 2, 2011		
By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P24	23.01	0 - 0.5	Rock pieces, trace sand, trace organics, brown.	9.2%
	23.02	0.5 - 1.0	Rock pieces, trace sand, trace clay, brown.	8.7%
	23.03	1.0 - 1.5	Rock pieces, trace sand, trace clay, wet, brown.	16.7%
	23.04	1.5 - 2.0	Sand, water, grey	54.9%
	23.05	2.0 - 2.5	Sand, rock pieces, water, grey.	16.8%
	23.06	2.5 - 3.5	Rock pieces, moist, grey.	13.7%
	23.07	3.5 - 4.5	Rock pieces, dry, grey.	0.6%
	23.08	4.5 - 5.5	Rock pieces, dry, grey.	1.0%
	23.09	5.5 - 6.5	Rock pieces, dry, grey.	1.3%
	23.10	6.5 - 7.5	Rock pieces, dry, grey.	0.5%
<i>Note : Drill depths based on visual observations and driller estimations of run lengths.</i>				

Moisture Content Determination and Sample Description

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