

REQUEST FOR INFORMATION

RFI NUMBER	JDS-	-RFI-00)4	
ISSUE DATE (YY/MM/DD)	Februar	ry 20, 2011		
PRIORITY	Н	M	L	
REQ'D RESPONSE DATE	Februar	ry 22, 2011		

		REQ'D RESPONSE DATE	February 22, 2011
Hope Bay Mining Project:	Quality Assurance Test Results	Project Zene/Aren	Donie Month
		Project Zone/Area:	Doris North
Company:	SRK Consulting (Canada) Inc.	Station/Location:	North Dam
Attention:	Lowell Wade	Discipline:	Civil
AFE:		Specification Number:	Technical Specifications Rev. "E"
Related Drawings:	SRK North Dam IFC Drawing Package	Related Documents:	Section 1.1.11 Quality Assurance
			Clause 3.
Related WBS Code	WBS Co	ode Description:	
Technical Specifications Clause 3. "All QA or or request." Proposed Corrective Ac	escription of Issue/Approval Required: Revision "E" Section 1.1.11 Quality Assurance ther test data, collected by the Engineer tion: On or other test data (and reports) be made	, shall be made available to the El	
contents, particle size of methods, bulk density, time of sampling/testin	ry to make the initial submission as a "draft" listribution analysis, laboratory compaction of core degree of saturation, freeze back temporation.	characteristics of soil using standard e	ffort, density of soil in place by nuclear
	Print:	\$ign:	Date:
		/	
Cost Impact Detailed Estimate attac Schedule Impact Source for Communicat	No Yes Owner Change Vendor Change	Designer Change	
the RFI has cost and/or	orized change documents and cannot be use schedule effect, it is the contractor's respon orization is at the contractor's risk and exper	sibility to immediately advise Newmo	
Corrective Action A	pproved Correct as Follows:		
Response:			
sample tracking	hed all the QA test results to date in the daily report, to make sure of and Contractor in a timely manne	QA results including "draft" i	
Responsible Newmont	Representative: Large Who	Sign:	Fast 21, 20,

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,	34.9%
			brown.	
	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%
<u> Vote</u> : Drill	depths based on	visual observati	ions and driller estimations of run lengths.	

Date Samp	oled: Jan 25, 20)11	Date Tested: February 14, 2011	
By: John K	Curylo		By: Garry Dang-Vuu	
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P2	8.01	0 - 0.5m	Sand, trace gravel, silt, damp, brown.	10.8%
	8.02 8.03	0.5 - 1.0m 1.0 - 1.5m	Sand & Gravel (12.5mm max) trace silt, damp, brown. Sand, trace gravel, damp, brown.	6.4% 16.2%
	8.04	1.5 -2.0m	Sand, trace gravel, damp, light brown.	25.0%
	8.05	2.0 - 3.0m	Sand, wet, brown.	20.5%
	8.06	3.0 - 4.0m	Sand, wet, brown.	24.1%
	8.07	4.0 - 5.0m	Sand, wet, brown.	22.4%
	8.08	5.0 - 6.0m	Sand, trace gravel, brown.	18.8%
	8.09	6.0 - 7.0m	Sand, trace gravel, silt, wet, brown.	18.1%
	8.10	7.0 - 8.0m	Sand, trace gravel, wet, brown.	18.2%
Note : Drill	depths based on	visual observati	ons and driller estimations of run lengths.	

oled: Jan 24, 20)11	Date Tested: Feb 5, 2011		
By: John Kurylo		By: Jeff Orr		
Sample No.	Depth (M)	Sample Description	M/C	
7.01	0.0 - 0.5	Sand, some clay, trace organics, brown.	18.2%	
7.02	0.5 - 1.0	Clay, water, trace sand, grey.	65.2%	
7.03	1.0 - 1.5	Clay, trace sand, wet, grey.	43.6%	
7.04	1.5 - 2.0	Clay, trace sand, wet, grey.	52.8%	
7.05	2.0 - 3.0	Sand, water, trace clay, grey.	21.0%	
7.06	3.0 - 4.0	Sand, water, trace clay, grey.	12.8%	
7.07	4.0 - 5.0	Sand, wet, grey.	18.0%	
7.08	5.0 - 6.0	Sand, wet, grey.	22.2%	
7.09	6.0 - 7.0	Sand, wet, grey.	19.1%	
7.10	7.0 - 8.5	Sand, wet, grey.	18.4%	
depths based on	visual observat	ions and driller estimations of run lengths.		
	7.01 7.02 7.03 7.04 7.05 7.06 7.07 7.08 7.09 7.10	Sample No. Depth (M) 7.01 0.0 - 0.5 7.02 0.5 - 1.0 7.03 1.0 - 1.5 7.04 1.5 - 2.0 7.05 2.0 - 3.0 7.06 3.0 - 4.0 7.07 4.0 - 5.0 7.08 5.0 - 6.0 7.09 6.0 - 7.0 7.10 7.0 - 8.5	Sample No. Depth (M) Sample Description 7.01 0.0 - 0.5 Sand, some clay, trace organics, brown. 7.02 0.5 - 1.0 Clay, water, trace sand, grey. 7.03 1.0 - 1.5 Clay, trace sand, wet, grey. 7.04 1.5 - 2.0 Clay, trace sand, wet, grey. 7.05 2.0 - 3.0 Sand, water, trace clay, grey. 7.06 3.0 - 4.0 Sand, water, trace clay, grey. 7.07 4.0 - 5.0 Sand, wet, grey. 7.08 5.0 - 6.0 Sand, wet, grey. 7.09 6.0 - 7.0 Sand, wet, grey.	

drilling. 6.02 0.5-1.0 Peatmoss, clay, trace sand, wet, brown. 6.03 1.0-1.5 Peatmoss, clay, water, trace sand, grey. 6.04 1.5-2.0 Peatmoss, clay, water, trace sand, grey. 6.05 2.0-3.0 Peatmoss, clay, water, trace sand, grey. 6.06 3.0-4.0 Clay, peatmoss, water, trace sand, grey. 6.07 4.0-5.0 Clay, sandy, wet, grey. 6.08 5.0-6.0 Sand, some clay, wet, grey. 6.09 6.0-7.0 Sand, damp, grey.		Date Tested: Feb 5, 2011)11	oled: Jan 24, 20	Date Samp
Peatmoss, water, dark brown; some ice and snow from surface incorporated at start of drilling.		By: Jeff Orr		urylo	By: John K
P4 6.01 0.0-0.5 snow from surface incorporated at start of drilling. 7 6.02 0.5-1.0 Peatmoss, clay, trace sand, wet, brown. 6 6.03 1.0-1.5 Peatmoss, clay, water, trace sand, grey. 6 6.04 1.5-2.0 Peatmoss, clay, water, trace sand, grey. 1 6.05 2.0-3.0 Peatmoss, clay, water, trace sand, grey. 1 6.06 3.0-4.0 Clay, peatmoss, water, trace sand, grey. 1 6.07 4.0-5.0 Clay, sandy, wet, grey. 3 6.08 5.0-6.0 Sand, some clay, wet, grey. 3 6.09 6.0-7.0 Sand, damp, grey. 3 6.1 7.0-7.7 Sand, damp, grey.	M/C	Sample Description	_	Sample No.	Hole No.
6.03 1.0-1.5 Peatmoss, clay, water, trace sand, grey. 6.04 1.5-2.0 Peatmoss, clay, water, trace sand, grey. 1 6.05 2.0-3.0 Peatmoss, clay, water, trace sand, grey. 1 6.06 3.0-4.0 Clay, peatmoss, water, trace sand, grey. 1 6.07 4.0-5.0 Clay, sandy, wet, grey. 2 6.08 5.0-6.0 Sand, some clay, wet, grey. 3 6.09 6.0-7.0 Sand, damp, grey. 3 6.1 7.0-7.7 Sand, damp, grey. 3	715.5%	snow from surface incorporated at start of drilling.	0.0-0.5	6.01	P4
6.03 1.0-1.5 Peatmoss, clay, water, trace sand, grey. 6.04 1.5-2.0 Peatmoss, clay, water, trace sand, grey. 1 6.05 2.0-3.0 Peatmoss, clay, water, trace sand, grey. 1 6.06 3.0-4.0 Clay, peatmoss, water, trace sand, grey. 1 6.07 4.0-5.0 Clay, sandy, wet, grey. 2 6.08 5.0-6.0 Sand, some clay, wet, grey. 3 6.09 6.0-7.0 Sand, damp, grey. 3 6.1 7.0-7.7 Sand, damp, grey. 3	65.8%	Peatmoss, clay, trace sand, wet, brown.	0.5-1.0	6.02	
6.05 2.0-3.0 Peatmoss, clay, water, trace sand, grey. 1 6.06 3.0-4.0 Clay, peatmoss, water, trace sand, grey. 1 6.07 4.0-5.0 Clay, sandy, wet, grey. 6.08 5.0-6.0 Sand, some clay, wet, grey. 6.09 6.0-7.0 Sand, damp, grey. 6.1 7.0-7.7 Sand, damp, grey.	81.0%		1.0-1.5	6.03	
6.06 3.0-4.0 Clay, peatmoss, water, trace sand, grey. 1 6.07 4.0-5.0 Clay, sandy, wet, grey. 5 6.08 5.0-6.0 Sand, some clay, wet, grey. 6.09 6.0-7.0 Sand, damp, grey. 6.1 7.0-7.7 Sand, damp, grey.	104.3%	Peatmoss, clay, water, trace sand, grey.	1.5-2.0	6.04	
6.07 4.0-5.0 Clay, sandy, wet, grey. 6.08 5.0-6.0 Sand, some clay, wet, grey. 6.09 6.0-7.0 Sand, damp, grey. 6.1 7.0-7.7 Sand, damp, grey.	105.6%	Peatmoss, clay, water, trace sand, grey.	2.0-3.0	6.05	
6.07 4.0-5.0 Clay, sandy, wet, grey. 6.08 5.0-6.0 Sand, some clay, wet, grey. 6.09 6.0-7.0 Sand, damp, grey. 6.1 7.0-7.7 Sand, damp, grey.	170.7%	Clay, peatmoss, water, trace sand, grey.	3.0-4.0	6.06	
6.09 6.0-7.0 Sand, damp, grey. 6.1 7.0-7.7 Sand, damp, grey.	32.1%		4.0-5.0	6.07	
6.09 6.0-7.0 Sand, damp, grey. 6.1 7.0-7.7 Sand, damp, grey.	21.2%		5.0-6.0	6.08	
	19.2%	Sand, damp, grey.	6.0-7.0	6.09	
Note: Drill depths based on visual observations and driller estimations of run lengths.	16.0%	Sand, damp, grey.	7.0-7.7	6.1	
		ions and driller estimations of run lengths.	visual observati	depths based on	<u>Note</u> : Drill

Date Sampled: Jan 23, 2011			Date Tested: Feb 3, 2011		
By: John K	By: John Kurylo Depth		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P5	5.01	0-0.5	Peatmoss, water, brown.	377.8%	
	5.02	0.5-1.0	Peatmoss, water, brown.	291.5%	
	5.03	1.0-1.5	Peatmoss, water, brown.	203.9%	
	5.04	1.5-2.0	Peatmoss, water, trace sand, brown.	216.4%	
	5.05	2.0-3.0	Peatmoss, water, clay, trace sand, brown.	67.5%	
	5.06	3.0-4.0	Clay, water, trace sand, brown.	41.0%	
	5.07	4.0-5.0	Clay, trace sand, wet, grey.	37.7%	
	5.08	5.0-6.0	Clay, trace sand, wet, grey.	23.8%	
	5.09	6.0-7.0	sand, wet, grey.	18.4%	
	5.10	7.0-8.0	sand, wet, grey.	13.4%	
	5.11	8.0-9.0	Sand, damp, grey.	11.6%	
Note : Drill	depths based on	visual observati	ions and driller estimations of run lengths.		

Date Sampled: Jan 23, 2011			Date Tested: Feb 3, 2011	
By: John Kurylo			By: Jeff Orr	
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P6	4.01	0 - 0.5	Sand, trace clay, trace organics, brown.	29.1%
	4.02	0.5 - 1.0	Sand, rock chips, water, grey.	51.5%
	4.03	1.0 - 1.5	Sand, clay, water, grey.	83.2%
	4.04	1.5 - 2.0	Clay, some sand, water, grey.	85.8%
	4.05	2.0 - 2.5	Clay, trace sand, wet, grey.	50.4%
	4.06	2.5 - 3.5	Clay, water, trace sand, grey.	61.9%
	4.07	3.5 - 4.5	Clay, water, trace sand, grey.	63.7%
	4.08	4.5 - 5.5	Clay, water, trace sand, grey.	72.9%
	4.09	5.5 - 6.5	Clay, sandy, wet, grey.	30.7%
	4.10	6.5 - 7.5	Sand, some clay, wet, grey.	19.0%
	4.11	7.5 - 8.5	Sand, trace clay, wet, grey.	18.4%
<u>Note</u> : Drill	depths based on	visual observati	lions and driller estimations of run lengths.	

Date Sam	oled: Jan 23, 20	11	Date Tested: Feb 3, 2011		
By: John Kurylo Depth			By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P7	3.01	0.0-0.5	Sand, trace organics, trace clay, brown.	16.9%	
	3.02	0.5-1.0	Sand, trace clay, brown.	16.9%	
	3.03	1.0-1.5	Clay, water, trace sand, brown.	60.5%	
	3.04	1.5-2.0	Clay, trace sand, wet, grey.	34.5%	
	3.05	2.0-3.0	Clay, trace sand, wet, grey.	31.2%	
	3.06	3.0-4.0	Clay, moist, grey	30.2%	
	3.07	4.0-5.0	Clay, wet, grey.	51.2%	
	3.08	5.0-6.0	Clay, water, grey.	61.1%	
	3.09	6.0-7.0	Clay, water, grey.	60.7%	
	3.1	7.0-8.0	Clay, water, grey.	56.1%	
Note : Drill	depths based on	visual observat	tions and driller estimations of run lengths.		

Date Samp	oled: Jan 27, 20)11	Date Tested: Feb 4, 2011		
By: John Kurylo			By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P8	20.01	0 - 0.5	Clay, organics, some sand, wet, brown.	56.8%	
	20.02	0.5 - 1.0	Clay, water, trace sand, brown.	109.2%	
	20.03	1.0 - 1.5	Clay, water, trace sand, brown.	169.9%	
	20.04	1.5 - 2.0	Clay, wet, trace sand, brown.	87.0%	
	20.05	2.0 - 3.0	Clay, wet, grey.	38.4%	
	20.06	3.0 - 4.0	Clay, wet, mottled grey/black.	32.9%	
	20.07	4.0 - 5.0	Clay, wet, mottled grey/black.	37.7%	
	20.08	5.0 - 6.0	Clay, wet, mottled grey/black.	49.0%	
	20.09	6.0 - 7.0	Clay, wet, mottled grey/black.	51.2%	
	20.10	7.0 - 8.0	Clay, wet, mottled grey/black.	62.2%	
Note : Drill	depths based on	visual observat	ions and driller estimations of run lengths.		
				<u> </u>	

Date Sampled: Jan 22, 2011			Date Tested: Feb 3, 2011		
By: John K	By: John Kurylo		By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P9	2.01	0 - 0.5	Sand, trace organics, trace clay, brown.	18.3%	
	2.02	0.5 - 1.0	Sand and Clay, trace organics, wet, brown.	30.4%	
	2.03	1.0 - 1.5	Sand, water, clay, brown.	139.0%	
	2.04	1.5 - 2.0	Sand, water, trace clay, brown.	168.1%	
	2.05	2.0 - 3.0	Sand, water, clay, brown.	109.0%	
	2.06	3.0 - 4.0	Clay, trace sand, wet, grey.	43.1%	
	2.07	4.0 - 5.0	Clay, wet, mottled black/grey.	40.5%	
	2.08	5.0 - 6.0	Clay, wet, mottled black/grey.	40.2%	
	2.09	6.0 - 7.0	Clay, water, dark grey.	51.8%	
	2.10	7.0 - 8.0	Clay, rock pieces, wet, grey.	16.5%	
	2.11	8.0 - 9.2	Rock pieces, dry, grey.	3.3%	
<u>Note</u> : Drill (depths based on	visual observati	ions and driller estimations of run lengths.		

Date Sampled: Jan 22, 2011			Date Tested: Feb 2, 2011		
By: John Kurylo			By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P10	1.01	0 - 0.5	Clay, sand, organics, brown.	30.5%	
	1.02	0.5 - 1.0	Sand, rock pieces, water, brown.	44.5%	
	1.03	1.0 - 1.5	Sand, rock pieces, water, brown.	24.6%	
	1.04	1.5 - 2.0	Rock pieces, moist, grey.	6.0%	
	1.05	2.0 - 2.5	Sand, rock pieces, trace clay, moist, grey	9.4%	
	1.06	2.5 - 3.0	Rock pieces, sand, trace clay, moist, grey.	7.2%	
	1.07	3.0 - 6.0	Rock pieces, dry, grey.	1.4%	
	1.08	6.0 - 7.5	Rock pieces, dry, grey.	1.1%	
Note : Drill	depths based on	visual observati	ions and driller estimations of run lengths.		

Date Sampled: Jan 25, 2011			Date Tested: February 14, 2011		
By: John Kurylo			By: Garry Dang-Vuu		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P12	10.01	0.0 - 0.5	Sand, trace gravel, damp, brown.	10.9%	
	10.02	0.5 - 1.0	Sand, trace gravel, damp, brown.	13.9%	
	10.03	1.0 - 1.5	Sand, trace gravel, damp, light brown.	13.3%	
	10.04	1.5 - 2.0	Clay, some sand, trace silt, wet, brown.	34.4%	
	10.05	2.0 - 3.0	Clay, sandy, trace silt, wet, brown.	36.5%	
	10.06	3.0 - 4.0	Sand, trace silt, moist, brown.	20.1%	
	10.07	4.0 - 5.0	Sand, moist, brown.	22.6%	
	10.08	5.0 - 6.0	Sand, trace silt, moist, light brown.	22.2%	
	10.09	6.0 - 7.0	Sand, trace silt, moist, light brown.	22.9%	
	10.10	7.0 - 8.5	Sand, trace gravel, silt, moist, dark grey.	15.3%	
<u>Vote</u> : Drill (depths based on	visual observati	ions and driller estimations of run lengths.		

Date Samp	oled: Jan 25, 20)11	Date Tested: February 15, 2011	
By: John K	Curylo		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%
			Clay, some sand, trace silt, saturated, dark	
	11.05	2.0 - 3.0m	brown.	82.9%
			Clay, some sand, trace silt, wet, mottled	
	11.06	3.0 - 4.0m	dark grey/ brown.	34.3%
			Clay, some sand, trace silt, wet, mottled	
	11.07	4.0 - 5.0m	grey/ brown.	35.0%
			Clay, some sand, trace silt, wet, mottled	
	11.08	5.0 - 6.0m	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%
Note : Drill	depths based on	visual observati	ons and driller estimations of run lengths.	

By: John Kurylo By: Jeff Orr			By. Jell Off	
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P14	12.01	0 - 0.5m	Peatmoss, trace sand, wet, brown.	284.5%
	12.02	0.5 - 1.0m	Peatmoss, trace silt, sand, wet, brown.	119.1%
	12.03	1.0 - 1.5m	Clay, trace sand, silt, wet, grey.	152.9%
	12.04	1.5 - 2.0m	Clay, trace sand, silt, wet, dark grey.	98.2%
	12.05	~2.0 - 3.0m	Clay, trace silt, moist to wet, brown.	87.7%
	12.06	~3.0 - 4.0m	Clay, trace sand, wet, mottled brown/ grey.	240.1%
	12.07	~4.0 - 5.0m	Clay, wet, grey.	286.9%
	12.08	~5.0 - 6.0m	Clay, trace sand, wet, grey.	68.3%
	12.09	~6.0 - 7.0m	Clay, trace sand, silt, wet, grey.	54.3%
<u> Note :</u> Drill	depths based on	visual observati	ions and driller estimations of run lengths.	
<u> </u>				

•	oled: Jan 25, 20		Date Tested: February 8, 2011	
By: John K Hole No.	Sample No.	Depth (M)	By: Jeff Orr Sample Description	M/C
P15	13.01	0 - 0.5m	Peatmoss, trace sand, wet, dark brown.	349.3%
	13.02	0.5 - 1.0m	Peatmoss, clayey, wet, trace sand, brown.	77.0%
	13.03	1.0 - 1.5m	Clay, wet, some sand, grey.	94.4%
	13.04	1.5 - 2.0m	Clay, wet, trace sand, grey.	56.6%
	13.05	~2.0 - 3.0m	Clay, wet, trace sand, grey.	52.1%
	13.06	~3.0 - 4.0m	Clay, wet, grey.	87.5%
	13.07	~4.0 - 5.0m	Clay, wet, grey.	80.7%
	13.08	~5.0 - 6.0m	Clay, wet, grey.	53.4%
	13.09	~6.0 - 7.0m	Clay, trace sand, wet, grey.	44.0%
	13.10	~7.0 - 8.0m	Clay, some sand, wet, brown.	37.9%
Note : Drill	depths based on	visual observati	ions and driller estimations of run lengths.	

Date Samp	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
P16	14.01	0 - 0.5	Sand, organics, some clay, wet, dark brown.	19.9%
	14.02	0.5 - 1.0	Sand & Water, some clay, brown.	79.1%
	14.03	1.0 - 1.5	Clay, trace silt, trace sand, wet, brown.	51.4%
	14.04	1.5 - 2.0	Clay, wet, brown.	39.8%
	14.05	2.0 - 3.0	Clay, trace sand, wet, brown.	58.8%
	14.06	3.0 - 4.0	Clay, trace sand, wet, grey-black.	73.4%
	14.07	4.0 - 5.0	Clay, water, grey.	73.4%
	14.08	5.0 - 6.0	Clay, water, grey.	72.8%
	14.09	6.0 - 7.0	Clay, water, grey.	52.6%
	14.10	7.0 - 8.0	Clay, some sand, wet, grey.	40.1%
	14.11	8.0 - 9.0	Clay, some sand, wet, grey.	52.6%
Note: Drill	depths based on	visual observat	ions and driller estimations of run lengths.	

Date Sampled: Jan 26, 2011)11	Date Tested: Feb 4, 2011	
By: John Kurylo			By: Jeff Orr	
Hole No.	Sample No.	Depth (M)	Sample Description	M/C
P17	18.01	0 - 0.5	Clay, water, trace sand, trace organics, brown.	100.9%
	18.02	0.5 - 1.0	Clay, water, trace sand, grey.	61.3%
	18.03	1.0 - 1.5	Clay, wet, grey.	41.8%
	18.04	1.5 - 2.0	Clay, trace sand, wet, grey.	45.2%
	18.05	2.0 - 3.0	Clay, trace sand, wet, mottled grey/black.	43.7%
	18.06	3.0 - 4.0	Clay, trace sand, wet, mottled grey/black.	44.3%
	18.07	4.0 - 5.0	Clay, wet, dark grey.	59.7%
	18.08	5.0 - 6.0	Clay, wet, dark grey.	61.4%
	18.09	6.0 - 7.0	Clay, wet, dark grey.	59.5%
	18.10	7.0 - 8.0	Clay, wet, dark grey.	57.2%
Note : Drill	denths hased on	visual observat	ions and driller estimations of run lengths.	
TVOLE . DITIL	deptilis based off	visuai observati	ons and differ estimations of furrienguis.	

Date Sampled: Jan 27, 2011)11	Date Tested: Feb 5, 2011		
By: John Kurylo			By: Jeff Orr		
Hole No.	Sample No.	Depth (M)	Sample Description	M/C	
P18	19.01	0 - 0.5	Clay, sandy, trace organics, moist, brown.	17.1%	
	19.02	0.5 - 1.0	Clay, water, sand, grey.	136.1%	
	19.03	1.0 - 1.5	Clay, wet, some sand, grey.	31.4%	
	19.04	1.5 - 2.0	Clay, water, sandy, grey.	126.3%	
	19.05	2.0 - 3.0	Clay, trace sand, wet, grey.	50.5%	
	19.06	3.0 - 4.0	Clay, trace sand, wet, grey.	37.4%	
	19.07	4.0 - 5.0	Clay, trace sand, wet, grey.	37.2%	
	19.08	5.0 - 6.0	Clay, trace sand, wet, grey.	41.1%	
	19.09	6.0 - 7.0	Clay, trace sand, wet, grey.	51.6%	
	19.10	7.0 - 8.0	Clay, water, grey.	64.1%	
<u>Note</u> : Drill	depths based on	visual observat	tions and driller estimations of run lengths.		

Date Samp	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%
<u>Note</u> : Drill	depths based on	visual observati	ions and driller estimations of run lengths.	

Date Sampled: Jan 27, 2011)11	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%
<u>Note</u> : Drill	depths based on	visual observat	ions and driller estimations of run lengths.	

Date Samp	oled: Jan 26, 20)11	Date Tested: Feb 2, 2011	
By: John K	Curylo		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%
<u>Note</u> : Drill	depths based on	visual observati	ions and driller estimations of run lengths.	

mple No. 16.01 16.02 16.03 16.04 16.05 16.06	Depth (M) 0 - 0.5 0.5 - 1.0 1.0 - 1.5 1.5 - 2.0 2.0 - 3.0	By: Jeff Orr Sample Description Peatmoss, water, brown. Some ice and snow from start of borehole drilling expected to have been present. Peatmoss, water, brown Peatmoss, water, brown Peatmoss, water, brown	M/C 1126.8% 346.1%
16.01 16.02 16.03 16.04 16.05 16.06	(M) 0 - 0.5 0.5 - 1.0 1.0 - 1.5 1.5 - 2.0 2.0 - 3.0	Peatmoss, water, brown. Some ice and snow from start of borehole drilling expected to have been present. Peatmoss, water, brown Peatmoss, water, brown Peatmoss, water, brown	1126.8% 346.1%
16.02 16.03 16.04 16.05 16.06	0.5 - 1.0 1.0 - 1.5 1.5 - 2.0 2.0 - 3.0	snow from start of borehole drilling expected to have been present. Peatmoss, water, brown Peatmoss, water, brown Peatmoss, water, brown	346.1%
16.03 16.04 16.05 16.06	1.0 - 1.5 1.5 - 2.0 2.0 - 3.0	Peatmoss, water, brown Peatmoss, water, brown	
16.04 16.05 16.06	1.5 - 2.0 2.0 - 3.0	Peatmoss, water, brown	400 40/
16.05 16.06	2.0 - 3.0	Peatmoss, water, brown	180.1%
16.06			309.2%
		Peatmoss, water, brown	75.0%
16.07	3.0 - 4.0	Peatmoss with clay, water, trace sand, brown-grey	55.9%
10.01	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%
s based on	visual observa	tions and driller estimations of run lengths.	

Date Samp	oled: Jan 26, 20)11	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 incorportated at start of driling.	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%
<u>Note</u> : Drill	depths based on	visual observati	ions and driller estimations of run lengths.	

Date Samp	oled: Jan 28, 20)11	Date Tested: Feb 2, 2011		
By: John Kurylo By: Jeff Orr					
Hole No.	Sample No. Depth (M) Sample Description		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%	
<u>Vote</u> : Drill	depths based on	visual observat	ions and driller estimations of run lengths.		
	_				

Washed Sieve: ASTM C136 and C117

Core 01

GDV

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 15, 2011

February 16, 2011

Office: On-site lab

Two (2) or Three (3)

2.1%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

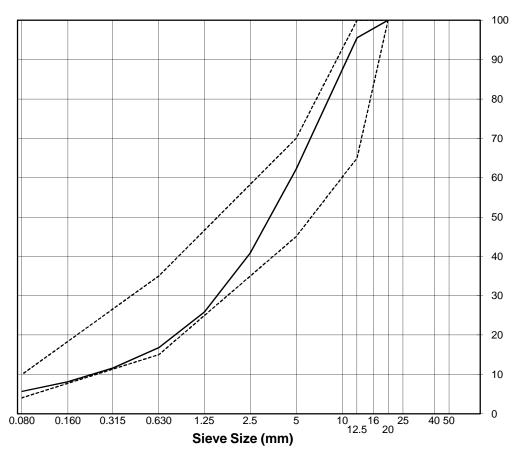
Source: Quarry 2

Supplier: Crusher

Sample Location: Stockpile, 35mN of Frozen Core Plant.

Specification: SRK Consulting Specification Revision E Core Material

Sieve Size	Percent Passing
20	100
12.5	96
5	62
2.5	41
1.25	26
0.630	17
0.315	12
0.160	8
0.080	5.6



Remarks:			

Reviewed By: DRAFT



Washed Sieve: ASTM C136 and C117

Core 02

GDV

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 19, 2011

February 19, 2011

Office: On-site lab

Two (2) or Three (3)

1.2%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

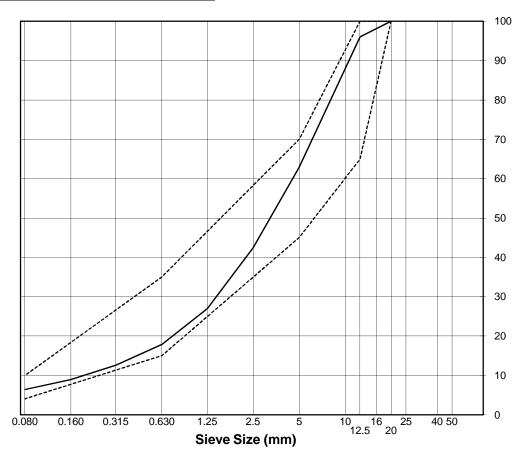
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, BELT sample.

Specification: SRK Consulting Specification Revision E Core Material

Sieve Size	Percent Passing
20	100
12.5	96
5	63
2.5	42
1.25	27
0.630	18
0.315	13
0.160	9
0.080	6.4



Remarks:			

Reviewed By: DRAFT



Washed Sieve: ASTM C136 and C117

Core 03

QC

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 19, 2011

February 19, 2011

Office: On-site lab

Two (2) or Three (3)

1.9%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: E14101112

Project: Doris North - North Dam

Client: **SRK Consulting**

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

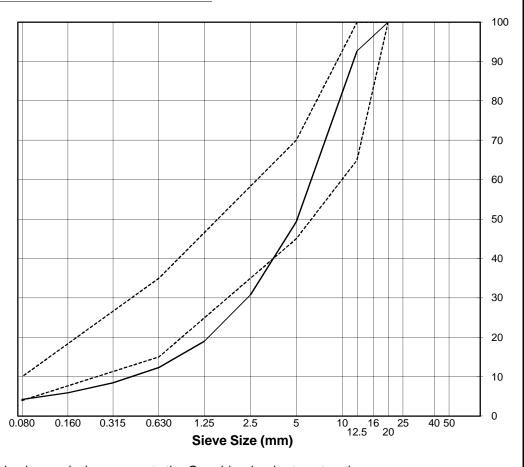
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, BELT sample.

Specification: SRK Consulting Specification Revision E Core Material

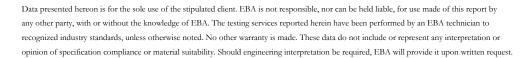
Sieve Size	Percent Passing
20	100
12.5	93
5	49
2.5	31
1.25	19
0.630	12
0.315	8
0.160	6
0.080	4.2



Remarks: This particle size analysis represents the Core blend, prior to saturation.

Sample taken by QC, time unknown.

Reviewed By: **DRAFT**





Washed Sieve: ASTM C136 and C117

Core 04

GDV

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 20, 2011

February 20, 2011

Office: On-site lab

Two (2) or Three (3)

1.6%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

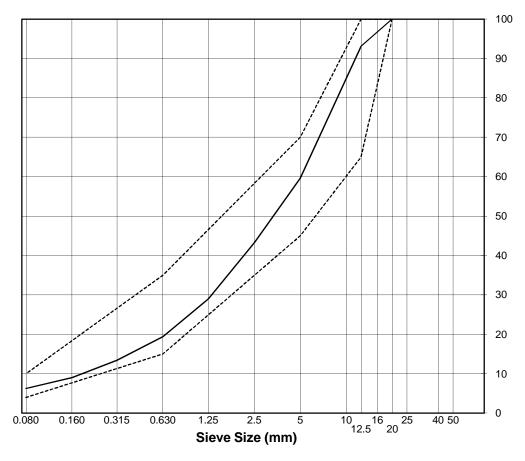
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, BELT sample.

Specification: SRK Consulting Specification Revision E Core Material

Ciava	Doroont		
Sieve	Percent		
Size	Passing		
20	100		
12.5	93		
5	60		
2.5	43		
1.25	29		
0.630	19		
0.315	13		
0.160	9		
0.080	6.2		



Remarks: This particle size analysis represents the Core blend, prior to saturation.

Sample taken 0230 Hrs.

Reviewed By: DRAFT



Washed Sieve: ASTM C136 and C117

Core 05

GDV

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 20, 2011

February 20, 2011

Office: On-site lab

Two (2) or Three (3)

1.8%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

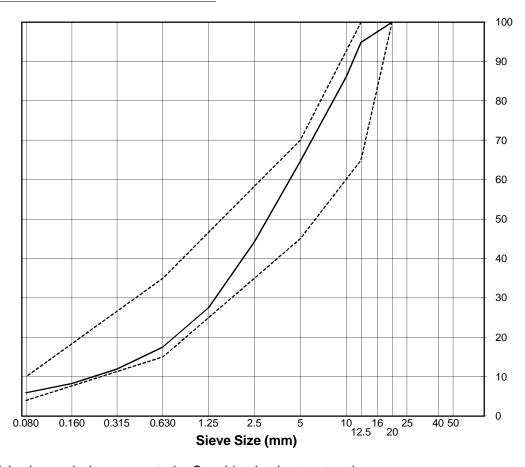
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, BELT sample.

Specification: SRK Consulting Specification Revision E Core Material

Sieve Size	Percent Passing
20	100
12.5	95
10.0	86
5	65
2.5	44
1.25	27
0.630	18
0.315	12
0.160	8
0.080	5.9



Remarks: This particle size analysis represents the Core blend, prior to saturation.

Sample taken 0500 Hrs.

Reviewed By: DRAFT



Washed Sieve: ASTM C136 and C117

Core 06

QC

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 20, 2011

February 20, 2011

Office: On-site lab

Two (2) or Three (3)

4.1%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

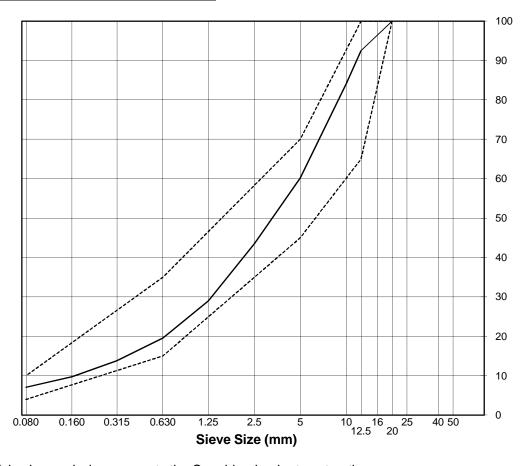
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, BELT sample.

Specification: SRK Consulting Specification Revision E Core Material

Sieve Size	Percent Passing
20	100
12.5	93
10.0	84
5	60
2.5	44
1.25	29
0.630	20
0.315	14
0.160	10
0.080	7.0



Remarks: This particle size analysis represents the Core blend, prior to saturation.

Sample taken 1100 Hrs.

Reviewed By: DRAFT



Washed Sieve: ASTM C136 and C117

Core 07

QC

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 20, 2011

February 20, 2011

Office: On-site lab

Two (2) or Three (3)

3.3%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

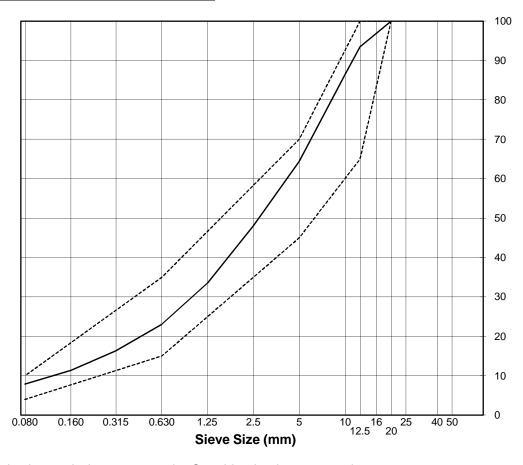
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, BELT sample.

Specification: SRK Consulting Specification Revision E Core Material

Sieve Size	Percent Passing
20	100
12.5	93
10.0	87
5	64
2.5	48
1.25	33
0.630	23
0.315	16
0.160	11
0.080	7.8



Remarks: This particle size analysis represents the Core blend, prior to saturation.

Sample taken 1700 Hrs.

Reviewed By: DRAFT



Washed Sieve: ASTM C136 and C117

Core 08

GDV

GDV

Moisture Content (as received):

No. Crushed Faces:

By Particle Mass:

February 21, 2011

February 21, 2011

Office: On-site lab

Two (2) or Three (3)

2.4%

Sample No.:

Sampled by:

Date Tested:

Tested by:

Date Received:

Project No.: <u>E14101112</u>

Project: Doris North - North Dam

Client: SRK Consulting

Attention: Lowell Wade

Email: HopeBay@SRK.com

Description: Sand & Gravel (20mm max, crush), trace

silt, grey.

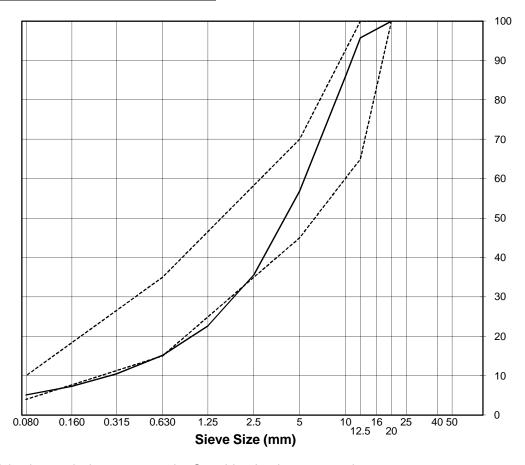
Source: Quarry 2

Supplier: Crusher

Sample Location: Quarry 2, STOCKPILE sample

Specification: SRK Consulting Specification Revision E Core Material

Sieve Size	Percent Passing
20	100
12.5	96
10.0	86
5	57
2.5	36
1.25	23
0.630	15
0.315	10
0.160	7
0.080	5.1



Remarks: This particle size analysis represents the Core blend, prior to saturation.

Sample taken 0100 Hrs.

Reviewed By: DRAFT



Date Samp	oled: February	15, 2011	Date Tested: Feb 15, 2011		
By: lozsef Miskolczi			By: Garry Dang-Vuu		
Hole No.	Sample No.	Depth (M)	Sample Description N		
	"S1"		Clay, trace sand, silt, wet, mottled brown/ grey.	35.8%	
	"S2"		Clay, trace silt, moist, brown.	34.2%	
Note:	mlaa fuama laafu -	ree eliable N -f			
- Grab sam	ples from 'soft' a	rea; slignly in of	peat zone.		