



June 7, 2012

FINAL REPORT

SD 2-4A Factual Report on 2011 Geotechnical Drilling Program - Meliadine Gold Project, Nunavut

Submitted to:

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REPORT



Project Number: Doc 273-1114280011 Ver. 0

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1.0 INTRODUCTION

Agnico-Eagle Mines Ltd. (AEM) retained Golder Associates Ltd. (Golder) to provide engineering services for the geotechnical investigation for the proposed tailings storage facilities (TSF), rock storage facilities (RSF) and overburden stockpiles at the Meliadine Gold Project.

The Meliadine Project consists of the proposed development and construction of a mine and associated infrastructure. The mine plan is to extract gold from several gold bearing deposits in reasonably close proximity to one another. The project is located in Nunavut, centered at approximately 63 degrees 1 minute north latitude and

92 degrees 12 minutes west longitude, within North American Datum (NAD 83) Zone 15. The central meridian for Zone 15 is at 93 degrees west longitude.

Current access to the project is by air. The closest community, Rankin Inlet, is located approximately 25 kilometres to the south, on the western shore of Hudson Bay.

The geotechnical investigations that were carried out at the site in 2011 consisted of the drilling of a series of geotechnical boreholes to investigate the subsurface conditions in the areas of the proposed tailings storage facility, rock storage facilities, and overburden stockpiles. The investigated footprint for this infrastructure was based on information available, and discussed with AEM before proceeding with the field works. This document summarizes the results of the investigations, in situ testing and associated laboratory testing performed along the proposed dike alignment of the TSF and within the footprint of the various RSF and overburden stockpiles. The locations of the boreholes reported in this document are shown relative to the infrastructure and mine plan available at the time of the investigation. Since that time the infrastructure and mine plan have changed.



2.0 SCOPE OF WORK

The scope of work for the geotechnical investigation was first described in Golder's proposal (January 31, 2011) and further developed following several discussions with AEM before and during the drilling campaign.

The scope of work was to carry out a field investigation to characterize the subsurface geotechnical conditions for specific infrastructure that will be developed as part of the mine development. Based on information available at the time of the project, the investigations specifically focussed on the proposed locations for tailings, rock, and overburden storage facilities. Golder provided site personnel to supervise: the drilling of seventeen geotechnical boreholes to sample soil, permafrost, and rock; the driving of standard penetration test (SPT) sampling equipment in suitable fine grained non-frozen materials; and, the installation of 5 thermistor cables.

The drilling of the boreholes was carried out by Boart-Longyear, under contract to AEM. Boart-Longyear used standard triple-tube (HQ3) coring methods to collect samples of the overburden materials, including frozen and ice-bonded soils, ice layers, and ice lenses. This was accomplished using low revolutions per minute of the drill stem, and with drilling mud to stabilize the materials. The methodology was successful in obtaining samples of the frozen materials and ice.

The boreholes were advanced to a minimum of 6 m into bedrock in the area of the TSF, and 3 m into bedrock in the areas of RSF and overburden stockpiles. The five boreholes with thermistor instrumentation were advanced to the length required to install the thermistor instruments, typically 25 m.

The investigations included the following activities:

- Seventeen (17) geotechnical boreholes (GT11-01 to GT11-17, inclusive) were drilled to characterize the soil and bedrock conditions at proposed locations for tailings, rock, and overburden storage facilities.
- Fourteen boreholes (GT11-01, GT11-02, GT11-03, GT11-04, GT11-05, GT11-06, GT11-07, GT11-08, GT11-09, GT11-10, GT11-11, GT11-12, and GT11-13) were drilled to investigate the Lake B7 area, including the proposed TSF area and the adjacent waste rock and overburden stockpile area west and east of the TSF.
- Four boreholes (GT11-14, GT11-15, GT11-16 and GT11-17) were drilled to investigate the Lake B4 area, which may be used for storage of overburden and waste rock.
- Geotechnical laboratory analyses of select index tests were performed on selected samples recovered during drilling.
- Field supervision of the investigation program was provided by Golder on behalf of AEM, including soil, bedrock and permafrost logging, photography and sampling. AEM retained Boart Longyear to provide drilling services.



3.0 GEOTECHNICAL FIELD INVESTIGATION

3.1 Health and Safety

Golder prepared a Health and Safety plan for the safety of its employees on site prior to the investigations. The document was developed with consideration to the AEM Health and Safety plan and included the safety procedures on site, the emergency phone numbers and the key contact phone numbers for both Golder and AEM. Additionally, the Golder Health and Safety plan included a “Safe Work Procedure” and field hazard level assessment (risk assessment) evaluation for the task related to the campaign.

3.2 Borehole Survey

The borehole locations were selected by Golder and located in the field by AEM’s surveyor. During the drilling campaign certain field adjustments were required, and the as-built locations were subsequently surveyed. The survey data for GT11-01 to GT11-13 were transferred to Golder on September 27, 2011, and the remaining GT11-14 to GT11-17 transferred on September 30, 2011. The survey datum used at the site is the UTM NAD 83 projection, Zone 15. All elevations provided in this report are geodetic, relative to the mean sea level.

3.3 Field Program

The field investigation, consisting of seventeen (17) boreholes and eight (8) thermistor cable installations, was supervised by Golder between August 22 and September 18, 2011. An inventory of the boreholes is provided in Table 1 and the borehole locations are shown in Figure 1 with the mine layout provided by AEM on September 23, 2011.

The soil and bedrock conditions encountered are presented in the Records of Boreholes included in Appendix A. All soil samples collected during the drilling program were shipped to Golder’s laboratory in Burnaby, British Columbia, for further examination, testing and classification. Some bedrock samples were also collected and shipped to the same laboratory to be available if further testing is deemed required. The results of the laboratory testing are included in Appendix B and shown in the Records of Boreholes.

All drilling and sampling was carried out under the full-time inspection of a Golder site representative who directed the sampling program, logged the subsurface conditions encountered, and examined and classified the soil and bedrock samples. Golder also directed the installation of the thermistor cables and took the readings immediately after installation.



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Table 1: Borehole Inventory

Deposit Area	Borehole Number	Easting ¹ (X, m)	Northing ¹ (Y, m)	Ground Elevation ² (m)	Hole Length (m)	Dip (deg)	Azimuth (deg)	Start Date	End Date	Thermistor Serial Number
TSF Dike B7	GT11-01	537,031.32	6,990,206.32	62.89	25.00	90	--	2011-09-04	2011-09-05	26-5
TSF Dike B7	GT11-02	537,737.04	6,990,558.27	73.82	25.00	90	--	2011-09-03	2011-09-03	26-2
TSF Dike B7 & East Pile B7	GT11-03	538,287.83	6,990,310.91	70.23	9.60	90	--	2011-09-01	2011-09-01	N/A
East Pile B7	GT11-04	538,816.65	6,990,174.26	69.00	15.79	90	--	2011-08-30	2011-08-31	N/A
East Pile B7	GT11-05	539,242.80	6,989,996.43	69.64	24.71	90	--	2011-08-29	2011-08-30	26-3
TSF Dike B7 & East Pile B7	GT11-06	539,200.35	6,989,324.87	77.65	19.62	90	--	2011-08-28	2011-08-29	N/A
TSF Dike B7	GT11-07	539,105.95	6,988,978.25	65.26	24.96	90	--	2011-08-26	2011-08-27	26-1
TSF Dike B7 & West Pile B7	GT11-08	538,223.18	6,989,155.10	70.83	25.51	90	--	2011-09-07	2011-09-08	26-4
TSF Dike B7 & West Pile B7	GT11-09	537,301.45	6,989,733.82	71.05	23.38	90	--	2011-09-06	2011-09-07	N/A
TSF Dike B7 & East Pile B7	GT11-10	538,552.55	6,990,039.98	69.23	12.28	90	--	2011-09-02	2011-09-02	N/A
TSF Dike B7	GT11-11	539,194.63	6,988,709.45	68.09	15.75	90	--	2011-09-12	2011-09-12	N/A
West Pile B7	GT11-12	537,151.84	6,989,258.49	64.06	21.62	90	--	2011-09-11	2011-09-11	TW09-13
West Pile B7	GT11-13	537,999.77	6,989,024.67	61.97	8.40	90	--	2011-09-09	2011-09-09	N/A
Pile B4	GT11-14	537,974.10	6,987,630.35	57.30	20.55	90	--	2011-09-13	2011-09-13	TE09-11
Pile B4	GT11-15	538,427.94	6,986,598.81	67.81	21.69	90	--	2011-09-14	2011-09-15	N/A
Pile B4	GT11-16	539,448.33	6,986,244.81	65.96	18.83	90	--	2011-09-16	2011-09-16	N/A
Pile B4	GT11-17	540,160.59	6,986,038.95	60.72	26.27	90	--	2011-09-17	2011-09-17	TW09-06

Note:

(1) Geodetic reference system is NAD 83, Zone 15 with Universal Transverse Mercator (UTM) geographic coordinate system.

(2) Elevations are geodetic and refer to mean sea level.

3.3.1 Drilling and Sampling

An LF70 diamond drill rig (Drill # 5) was used for drilling the stratigraphic boreholes, to sample the soil and to determine the location of the bedrock surface. The vertical boreholes were drilled using HQ3 (61 mm inner diameter) triple-tube coring system.

The technique for recovering frozen soil samples consisted of lowering a HQ rod and core barrel assembly with split tubes 2.65 m in length, and rotary drilling with a water and polymer based drilling fluid with low bit pressure. A typical run length was 1.5 m but, depending on the conditions encountered, a run could be extended or



reduced to any length to provide good sample recovery and to adjust drilling parameters such as fluid viscosity, rod rotation and pressure applied on the rods.

The method for recovering non-frozen soil samples in finer grained materials consisted of standard penetration testing whereby a split spoon sampler with a 35 mm inside diameter is driven using a 63.5 kg hammer free falling from a height of approximately 760 mm. The blow counts for each 150 mm increment of penetration were recorded and the “N” value calculated by adding the blow counts for penetration performed between 150 mm and 450 mm below the casing. SPT testing and sampling generally complied with the ASTM D1586 “Standard Test Method for Standard Penetration Testing (SPT) and Split-Barrel Sampling of Soils,” with one modification in that a safety hammer was raised using the drill’s wire line rather than a cat-head or automatic hammer.

The SPT blow count or ‘N’ value should therefore be used with caution, and is subject to interpretation. Typically, attempts were made to obtain continuous SPT sampling through the soil materials. However, when refusal or frozen ground was encountered, the SPT sampler was removed, and the drill rods advanced using diamond drilling coring methods. Recoveries are reported for each core run. All the SPT test results are presented on the Records of Boreholes attached in Appendix A.

Where permafrost soils were encountered, these were logged in general accordance with National Research Council NRC7576, “Guide to a Field Description of Permafrost for Engineering Purposes, Technical Memorandum 79.” The drilling method involved circulation of warm drilling fluid (water); heat introduced by the drilling fluid had the effect of thawing frozen ground and this resulted in reduced recovery of intact samples of permafrost soils.

The descriptive terms and standards used by Golder to describe the geotechnical character of a rock mass are broadly consistent with terminology recommended by the American Society for Testing and Materials (ASTM) and by the International Society for Rock Mechanics (ISRM). Geotechnical logging of the non-oriented geotechnical boreholes drilled with joints characterization in the areas of the proposed TSF, waste rock and overburden stockpiles was carried out by Golder personnel on cross shift rotations working 2 shifts of 12 hours. The recovered soil and rock materials were placed into HQ core boxes to be photographed before being sampled. In general, half of the sample was bagged and the remainder was placed into a HQ core box. All core boxes remain on site at the exploration camp after the program.

Borehole as-built surveys were completed by AEM personnel and data transferred to Golder by September 29, 2011.

3.3.2 Thermistor Installation and Methodology

During the 2011 summer geotechnical field program, eight thermistors were installed and completed. Thermistor cables were installed in selected boreholes to evaluate the ground thermal conditions in the areas of the proposed infrastructure, as shown in Figure 1. The thermistor cables installed were manufactured by M-Squared Instruments of Calgary, Alberta. The thermistor sensor types used in the cables included YSI 44034 and YSI 44007/34 (5000 Ohms @ 25 °C and 16325 Ohms @ 0 °C), which are typically accurate to 0.2 °C. A summary of the thermistor locations is presented above in Table 1.



The thermistor cables were installed directly into the open vertical boreholes without PVC pipe and were allowed to freeze in place. The protective casing was kept in place and either anchored in the frozen ground or into the bedrock surface. Prior to installing the thermistor cables a weight was affixed to the tip of the cable to prevent the cable from twisting.

Surface completion procedures for the thermistors included:

- Securing a 2-inch by 6-inch wood post or equivalent onto or into the casing protruding from the ground;
- Installing the thermistor lead and coupling in a protective plastic box (Pelican Case) attached to the wood post; and
- Covering the exposed thermistor cable with a metal protective cap.

The completed thermistor installations were flagged and labelled with the borehole number and the thermistor serial number. Appendix C contains photographs of the completed installations.

Thermistor data collection was carried out by Golder until September 18, 2011, when Golder staff departed the site. Data will continue to be collected periodically by AEM personnel, at intervals of approximately 2 weeks, while personnel are on site. Thermistor data collected since the beginning of the summer 2011 geotechnical field program are presented as thermal profiles shown in Appendix C. The records of thermistor installation are also included in Appendix C.

3.4 Sample Collection and Laboratory Testing

3.4.1 Soils

A summary of the specimens selected for laboratory testing and the testing results are presented in Table 2. Laboratory test results are also provided in Appendix B. Samples of soils were collected in plastic bags secured with electrical tape and were double bagged if necessary to aid in preserving the moisture content of the sample during shipping. Prior to shipment to the Golder laboratory in Burnaby, the volume of free water decanted was measured at the camp to be added to the moisture content measured in the laboratory. The recovered samples were generally non-plastic and coarse-grained.

In addition to the visual examination of the soil samples recovered during the investigation, the following laboratory tests were performed on samples collected from the boreholes:

- Fifty-four (54) natural water contents (ASTM D 4959);
- Three (3) salinity analysis (Carter – CSS / APHA 4500-Cl E and EPA 6010B);
- Twenty-three (23) Atterberg limit tests (ASTM D 4318 -10);
- Thirty-three (33) sieve analysis, including twenty-three (23) with hydrometer (ASTM D 422);
- Thirty-one (31) excess water (ice) content; and
- Three (3) salinity analyses.



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Table 2: Summary of Soil Specimens Selected for Laboratory Testing

Borehole ID	Sample Number	Depth (m)		Sieve analysis			Natural Moisture Content (%)	Atterberg Limits				Excess Water (Ice) Content ⁽¹⁾ (%)	Salinity (mg/kg)
		From	To	% Gravel	% Sand	% Fines		Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Classification		
GT11-01	SC5	3.85	4.04	10	38	52	32.7	27	24	3	ML		
	SC6	4.81	4.95				5.8						Cl: 151 Na: 98.5
	SC9	5.85	6.00	33	38	29	6.0				NP	4.0	
	SC10	6.85	7.04				5.5						
GT11-02	SC2-T2	0.90	1.00	33	35	32	7.2				NP		
	SC5B-T2	3.90	4.05										Cl: 221 Na: 141
	SC6-T2	4.86	5.00	18	47	35	9.6				NP	12.0	
	SC7-T2	5.40	5.55	27	41	32	5.3					7.3	
GT11-03	SC-4a	1.50	1.78				31.9						
	SC-4b	1.78	2.00				10.1					458.5	
GT11-04	sa-4	1.5	1.96	0	91	9	26.0					25.5	
	sa-5	1.96	2.42				18.5					2.6	
	sa-7	3.95	4.27	48	25	27	5.8					0.2	



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Borehole ID	Sample Number	Depth (m)		Sieve analysis			Natural Moisture Content (%)	Atterberg Limits				Excess Water (ice) Content ⁽¹⁾ (%)	Salinity (mg/kg)
		From	To	% Gravel	% Sand	% Fines		Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Classification		
GT11-05	sa-3	2.21	2.67				20.8					519.1	
	sa-4	2.70	2.80				17.2					1.5	
	sa-5	3.85	4.00	19	37	44	7.5					2.9	
	sa-7	6.80	7.00	12	27	61	10.0					1.7	
	sa-8	7.80	8.00	29	26	45	9.4				NP		
GT11-06	sa-6	2.60	2.75	24	34	42	8.0					21.0	
	sa-7	3.00	3.27				8.1						
	sa-8	4.60	4.77	9	41	50	9.7				NP		
	sa-9	6.70	6.86										Cl: 510 Na: 279
	sa-10	9.47	9.62				11.4				NP		
	sa-11	11.10	11.25				26.8	47	23	24	CL		
GT11-07	sa-2	1.50	1.93	44	35	21	8.5					11.8	
GT11-08	sc3	1.30	1.50	31	40	29	8.9					140.6	
	sc4	2.25	2.45				8.5					42.9	
	sc6	4.67	4.84				9.6					8.1	
	sc9	6.50	6.65	17	45	38	6.4				NP		



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Borehole ID	Sample Number	Depth (m)		Sieve analysis			Natural Moisture Content (%)	Atterberg Limits				Excess Water (ice) Content ⁽¹⁾ (%)	Salinity (mg/kg)
		From	To	% Gravel	% Sand	% Fines		Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Classification		
GT11-09	sc3	1.22	1.38				5.4					49.3	
	sc4	1.50	1.75	48	27	25	6.8				NP	61.3	
	sc8	5.08	5.25	15	40	45	10.8				NP		
	sc10	8.20	8.30				12.5					2.5	
	sc13	12.55	12.70	23	31	46	14.8	16	14	2	ML		
GT11-10	SC3	1.40	1.58				25.4					83.3	
	SC4b	1.88	1.94				17.4					452.8	
	SC6	3.00	3.20				10.5						
	SC7	3.80	4.00	29	25	46	6.9				NP	7.8	
	SC9	6.15	6.28	7	6	87	16.3					2.9	
GT11-11	SS2	0.75	0.90				12.8						
	SC4	2.09	2.23	43	46	11	12.3					19.2	
	SC7	6.50	6.75	44	28	28	7.8				NP		
	SC9	6.05	6.21										
GT11-13	ss2	0.68	0.90	30	55	15	11.5				NP		
	sc4	1.85	2.10	20	39	41	8.7				NP	44.7	
GT11-14	SC3	2.01	2.17	28	37	35	8.2				NP	2.7	
	SC5	4.82	4.95				8.8					2.9	



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Borehole ID	Sample Number	Depth (m)		Sieve analysis			Natural Moisture Content (%)	Atterberg Limits				Excess Water (ice) Content ⁽¹⁾ (%)	Salinity (mg/kg)
		From	To	% Gravel	% Sand	% Fines		Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Classification		
GT11-15	SC4	1.85	2.01	34	39	27	6.0					48.1	
	SC8	8.12	8.31	19	38	43	7.5				NP		
	SC12	13.5	13.7	41	32	27	7.8				NP		
GT11-16	SC5	1.8	2.33	65	20	15	5.3				NP	5.7	
	SC10	6.33	6.49	24	33	43	7.1				NP		
	SC13	10.86	10.98	2	7	91	5.1	28	17	11	CL	3.4	
GT11-17	SC3	1.92	2.06	40	37	23	10.9					52.8	
	SC5	4.79	4.97	22	29	49	9.4				NP		

(1) The decanted water from the soil was measured on site and is reported as excess water (ice) from the sample dry weight.

Table 3 presents a summary of field descriptions for permafrost soils encountered during the 2011 summer geotechnical investigations.

Table 3: Summary of 2011 Site Investigation of Permafrost Soils

Borehole Number	Depth (m)		National Research Council Field Description of Permafrost*	Comments
	From	To		
GT11-01	2	4.44	Vs	
GT11-01	4.44	7.44	Vr	
GT11-01	7.44	9.13	Vc	
GT11-02	3	3.7	Vs	



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Borehole Number	Depth (m)		National Research Council Field Description of Permafrost*	Comments
	From	To		
GT11-02	3.7	5.4	Vr	
GT11-02	5.4	6.2	Vs	
GT11-02	6.2	7.1	Vr	
GT11-03	1.26	1.5	ICE+SILT inclusions	
GT11-03	1.5	3.1	ICE and SILT	
GT11-04	1.5	3.79	Vs/Nbe	
GT11-04	3.79	5.29	Vs	
GT11-05	0.71	1	Vr,Vx	
GT11-05	1	1.17	Nbe	
GT11-05	2.21	2.7	ICE with minor amounts of SAND	
GT11-05	2.7	2.8	Nbe	
GT11-05	2.8	4.25	Nbn	
GT11-05	4.25	7.5	Nbn	
GT11-05	7.5	8.95	Vr	
GT11-05	10.34	10.85	Nbe	
GT11-06	2.25	2.5	Nbe	
GT11-06	2.5	2.75	Vs	
GT11-06	2.75	10.5	Nbn	
GT11-06	10.5	10.8	Vr	
GT11-06	10.8	13.62	Nbn	
GT11-08	1.1	1.8	Vc	
GT11-08	3.5	4.84	Nbn	
GT11-08	4.84	9.76	Nbe	
GT11-08	9.76	10.65	Nbe to Vr	



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Borehole Number	Depth (m)		National Research Council Field Description of Permafrost*	Comments
	From	To		
GT11-08	10.65	11	Vr	
GT11-08	11	12.4	Nbe to Vr	
GT11-09	1.1	2.75	ICE and sandy silty GRAVEL	Suspended cryostructures
GT11-09	2.75	9.6	Vr	
GT11-09	9.6	17.74	Nbe	ICE filled fracture at 12.30m
GT11-10	0.75	2.5	Nf	
GT11-10	2.5	6.28	Nbn	
GT11-11	1.23	1.65	Vr	
GT11-11	1.89	2.25	Vc	
GT11-11	2.25	3.75	Vc, ICE and silty SAND	
GT11-11	5.25	8.35	Nbn	
GT11-12	1.89	3.01	Vc	
GT11-12	3.01	3.21	Nbn	
GT11-12	3.21	10.16	Nbn	
GT11-13	1.85	2.1	Nbn	
GT11-14	0.79	1.75	Vc	
GT11-14	1.75	5.59	Nbn	
GT11-14	5.59	5.92	Vc	
GT11-15	0.81	1.56	Vr	
GT11-15	1.56	2.31	Vs	
GT11-15	3.69	17.01	Nbn	
GT11-16	1.6	2.33	Nbn	
GT11-16	2.33	3.08	Vs	
GT11-16	3.08	10.3	Nbn	



2011 GEOTECHNICAL DRILLING PROGRAM- CONFIDENTIAL MELIADINE GOLD PROJECT, NUNAVUT

Borehole Number	Depth (m)		National Research Council Field Description of Permafrost*	Comments
	From	To		
GT11-16	10.3	11.58	Vs	With approx. 1cm thick layers of ice
GT11-16	11.58	13.1	Nbn	
GT11-17	0.99	1.28	Vc	
GT11-17	1.28	2.33	Vc	One ice vein (approx. 2.5cm thick)
GT11-17	2.85	6.83	Nbn	

*Notations:

1. Ice thickness equal to or less than 1 inch: Vr - visible, random or irregularly oriented ice formations; Vs - visible, stratified or distinctly oriented ice formations; Vx - visible, individual ice crystals or inclusions.
2. Ice not visible: Nf - poorly bonded or friable; Nbn - ice not visible to the eye, well bonded and no excess ice; Nbe - ice not visible to the eye, well bonded excess ice.
3. Ice thickness greater than 1 inch: ICE+ soil type - ice with soil inclusions; ICE - ice without soil inclusions.

3.4.2 Rock

Bedrock samples were collected after the core was photographed. Several specimens from each borehole and each dominant rock type were collected for testing. Testing that was carried out on selected samples consisted of uniaxial compressive strength (UCS) testing and direct shear (DS) testing. The samples that were collected on site were photographed, packaged, labelled and shipped to Golder's geotechnical laboratory in Burnaby. A summary of the bedrock specimens selected for laboratory testing is presented in Table 3.

All the observed bedrock was identified as greywacke, which is poorly graded but well indurated sandstone having sand grains supported in a finer grained matrix.



2011 GEOTECHNICAL DRILLING PROGRAM- CONFIDENTIAL MELIADINE GOLD PROJECT, NUNAVUT

Table 3: Summary of Rock Specimens Selected for Laboratory Testing

Borehole number	Sample Number	Depth (m)		Test Type	Borehole Number	Sample Number	Depth (m)		Test Type
		From	To				From	To	
GT11-01	RC19	19.15	19.31	UCS	GT11-08	RC16	16.34	16.71	DS
GT11-01	RC19	19.42	19.71	DS	GT11-08	RC17	17.56	17.75	UCS
GT11-02	RC9-T2	9.35	9.60	USC	GT11-08	RC20	22.41	22.74	DS
GT11-02	RC10-T2	10.00	10.27	DS	GT11-11	RC10	9.80	10.05	DS
GT11-02	RC19-T2	22.21	22.47	DS	GT11-11	RC12	11.37	11.77	UCS
GT11-03	RC10-Dsa	6.50	6.65	DS	GT11-12	RC18	14.22	14.61	UCS
GT11-03	RC10-Dsb	6.65	6.77	DS	GT11-12	RC19-1	15.62	15.84	UCS
GT11-05	sa-10	11.66	11.91	DS	GT11-12	RC19-2	16.37	16.68	DS
GT11-05	sa-11	20.95	21.22	UCS	GT11-13	RC7	5.18	5.40	UCS
GT11-05	sa-12	21.56	21.71	DS	GT11-13	RC9	6.90	7.11	DS
GT11-05	sa-13	24.56	24.71	UCS	GT11-14	RC8	7.79	8.00	DS
GT11-06	sa-12	14.78	14.95	DS	GT11-14	RC12	12.48	12.72	UCS
GT11-06	sa-13	14.95	15.12	UCS	GT11-14	RC15	18.25	18.55	UCS
GT11-06	sa-14	18.60	18.78	UCS	GT11-15A	RC1	19.41	19.59	UCS
GT11-06	sa-15	19.25	19.45	DS	GT11-15A	RC2	21.36	21.56	DS
GT11-07	sa-4	11.93	12.15	DS	GT11-17	RC7	7.12	7.34	UCS
GT11-07	sa-5	14.45	14.73	DS	GT11-17	RC10	11.10	11.41	DS
GT11-07	sa-6	18.99	19.19	UCS	GT11-17	RC14	15.85	16.12	UCS
GT11-07	sa-7	24.13	24.39	UCS	GT11-17	RC18	22.64	22.90	DS

UCS: Uniaxial compressive strength

DS: Direct shear



4.0 GENERAL SUBSURFACE CONDITIONS

The details of the subsurface conditions encountered are shown on the Records of Boreholes in Appendix A. The longitudinal sections along the proposed alignments are shown in Figures 3 to 5 and present the simplified stratigraphy of the boreholes.

The records of boreholes indicate the subsurface conditions encountered at the specific test locations only. The boundaries between stratigraphic horizons are often indistinct and transitional. The precision with which subsurface conditions are indicated depends on the method of boring, the method of sampling, the frequency of sampling and the uniformity of the subsurface conditions. Subsurface conditions may vary between the boreholes and across the site.

The following presents an overview of the subsurface conditions encountered in the boreholes for each site.

4.1 Simplified Stratigraphy

In general, the local overburden stratigraphy consists of a thin layer of topsoil overlying a layer of non-cohesive soil with a variable amount of silt, sand and gravel. Cobbles and boulders are observed throughout the entire site and at various depths in the boreholes. The grain angularity was found mainly to be sub-angular to angular and few were identified as sub-rounded. The bedrock stratigraphy consisted of greywacke.

Frozen soils and presence of ice were observed in every hole. Evidence of ice lenses containing little disseminated soil was observed in boreholes GT11-03, GT11-05, GT11-09, Gt11-10 and GT11-11. The following sub-sections present in more detail the stratigraphy encountered during the 2011 geotechnical field investigation.

4.1.1 Top Soil

A layer of organic matter or peat was encountered at every borehole location except GT11-06 where a thin layer of sand was noted. The topsoil is dark brown to black and consists of silty peat mixed with degrading organic matters such as rootlets, mosses and lichens. The topsoil thicknesses vary from 0.05 m to 1.1 m.

4.1.2 Silty Gravelly Sand

Underlying the topsoil is a granular layer containing various proportions of silt, sand and gravel, and observed in all boreholes. The particle-size gradations at various depths and for various samples are presented in Table 2, and the laboratory test results are presented in Appendix B. Based on the results of the laboratory grain size analyses performed on selected samples, the fines content (<0.075 mm particles) of this layer ranges from 9 to 91%, sand content (4.75 mm $>$ particles > 0.075 mm) ranges from 6% to 91%, and gravel content (particles > 4.75 mm) was found to be between 0% and 65%. Laboratory results also showed a moisture content varying between 5.1% and 32.7% with ice content varying between 0.2% and 519%.



The thickness of the layer varies from 2.0 m (GT11-13) to 17.54 m (GT11-09). The material is loose to compact near the ground surface, but is frozen below about 1 m depth. No SPT tests could be performed below approximately the first meter of depth.

The colour of the silty gravelly sand layer near the surface, beneath the topsoil layer, is often brownish-grey to grey. Beneath the surficial layer, the colour becomes grey up to the contact with bedrock.

4.1.3 Clay

Few lenses of clay were observed at various depths in boreholes GT11-06, GT11-08, GT11-11 and GT11-16. There does not appear to be a spatial correlation for the distribution of the clay in the overburden. The type of clay observed on site also includes various fractions of sand, silt and gravel.

Two Atterberg limit tests were performed on the classified clay material. The measured liquid limits are 28% and 47%, the plastic limits are 17% and 23%, and the plasticity indexes are 11% and 24%. The natural moisture content was found to be 5.1% and 26.8%.

4.1.4 Bedrock

The bedrock surface was encountered between 2.10 m (GT11-13) and 17.74 m (GT11-09) below the ground surface. The bedrock was cored to depths ranging from 4.68 to 19.44 m below its surface. The bedrock consists primarily of greywacke.

The bedrock is generally described as slightly to moderately weathered, medium strong to strong. The rock quality designation (RQD) is generally between 50% and 100%. No major fault zones were encountered in any of the boreholes.

Table 4: Borehole Summary

Borehole ID	Ground Elevation (m)	Peat, Organics		Bedrock Surface		End of Hole Depth ¹ (m)	
		Depth ¹ (m)	El. (m)	Depth ¹ (m)	El. (m)	Depth ¹ (m)	El. (m)
GT11-01	62.89	0.20	62.69	9.13	53.76	25.00	37.89
GT11-02	73.82	0.40	73.42	7.10	66.72	25.00	48.82
GT11-03	70.23	1.10	69.13	3.10	67.13	9.60	60.63
GT11-04	69.00	0.15	68.85	5.29	63.71	15.79	53.21
GT11-05	69.64	0.05	69.59	10.85	58.79	24.71	44.93
GT11-06	77.65	-	-	13.62	64.03	19.62	58.03
GT11-07	65.26	0.61	64.65	6.07	59.19	24.96	40.3



2011 GEOTECHNICAL DRILLING PROGRAM- CONFIDENTIAL MELIADINE GOLD PROJECT, NUNAVUT

Borehole ID	Ground Elevation (m)	Peat, Organics		Bedrock Surface		End of Hole Depth ¹ (m)	
		Depth ¹ (m)	El. (m)	Depth ¹ (m)	El. (m)	Depth ¹ (m)	El. (m)
GT11-08	70.83	0.06	70.67	12.40	58.43	25.51	45.32
GT11-09	71.05	0.20	70.85	17.74	53.31	23.38	47.67
GT11-10	69.23	0.75	68.48	6.28	62.95	12.28	56.95
GT11-11	68.09	0.06	68.03	8.35	59.74	15.75	52.34
GT11-12	64.06	0.21	63.85	11.73	52.33	21.62	42.44
GT11-13	61.97	0.10	61.87	2.10	59.87	8.40	53.57
GT11-14	57.30	-	-	5.92	50.76	20.55	36.13
GT11-15	67.81	0.23	66.64	17.01	49.86	21.69	45.18
GT11-16	65.96	0.07	65.41	13.10	52.38	18.83	46.65
GT11-17	60.72	0.83	58.60	6.83	52.60	26.27	33.16

Note:

(1) All depths presented in this table are measured along the hole.



5.0 CLOSURE

This report should be read in conjunction with the ***“Study Limitations”*** which is appended at the beginning of the report. The reader’s attention is specifically drawn to this information, as it is essential that it be followed for the proper use and interpretation of this report.

We trust this report satisfies your current requirements. If you have any questions or require further assistance, please do not hesitate to contact the undersigned.

Yours very truly,

GOLDER ASSOCIATES LTD.

ORIGINAL SIGNED

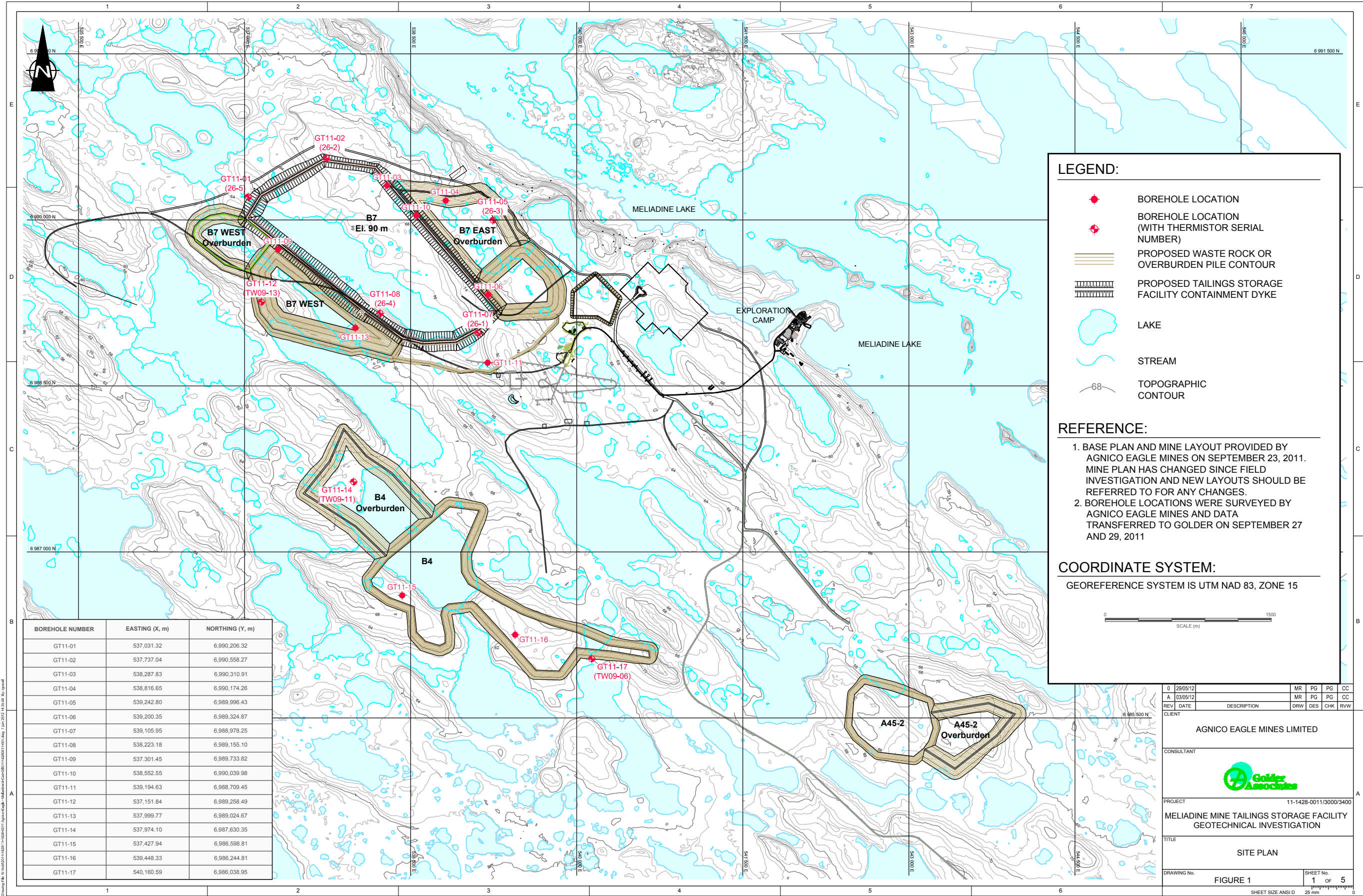
Patrick Gince, Eng.
Project Engineer

ORIGINAL SIGNED

Cameron Clayton, P.Geo., M.Eng.
Engineering Manager, Associate

PG/CJC/np/rs/lw

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LEGEND:

- BOREHOLE LOCATION
- BOREHOLE LOCATION (WITH THERMISTOR SERIAL NUMBER)
- PROPOSED WASTE ROCK OR OVERBURDEN PILE CONTOUR
- PROPOSED TAILINGS STORAGE FACILITY CONTAINMENT DYKE
- LAKE
- STREAM
- TOPOGRAPHIC CONTOUR

REFERENCE:

- BASE PLAN AND MINE LAYOUT PROVIDED BY AGNICO EAGLE MINES ON SEPTEMBER 23, 2011. MINE PLAN HAS CHANGED SINCE FIELD INVESTIGATION AND NEW LAYOUTS SHOULD BE REFERRED TO FOR ANY CHANGES.
- BOREHOLE LOCATIONS WERE SURVEYED BY AGNICO EAGLE MINES AND DATA TRANSFERRED TO GOLDER ON SEPTEMBER 27 AND 29, 2011

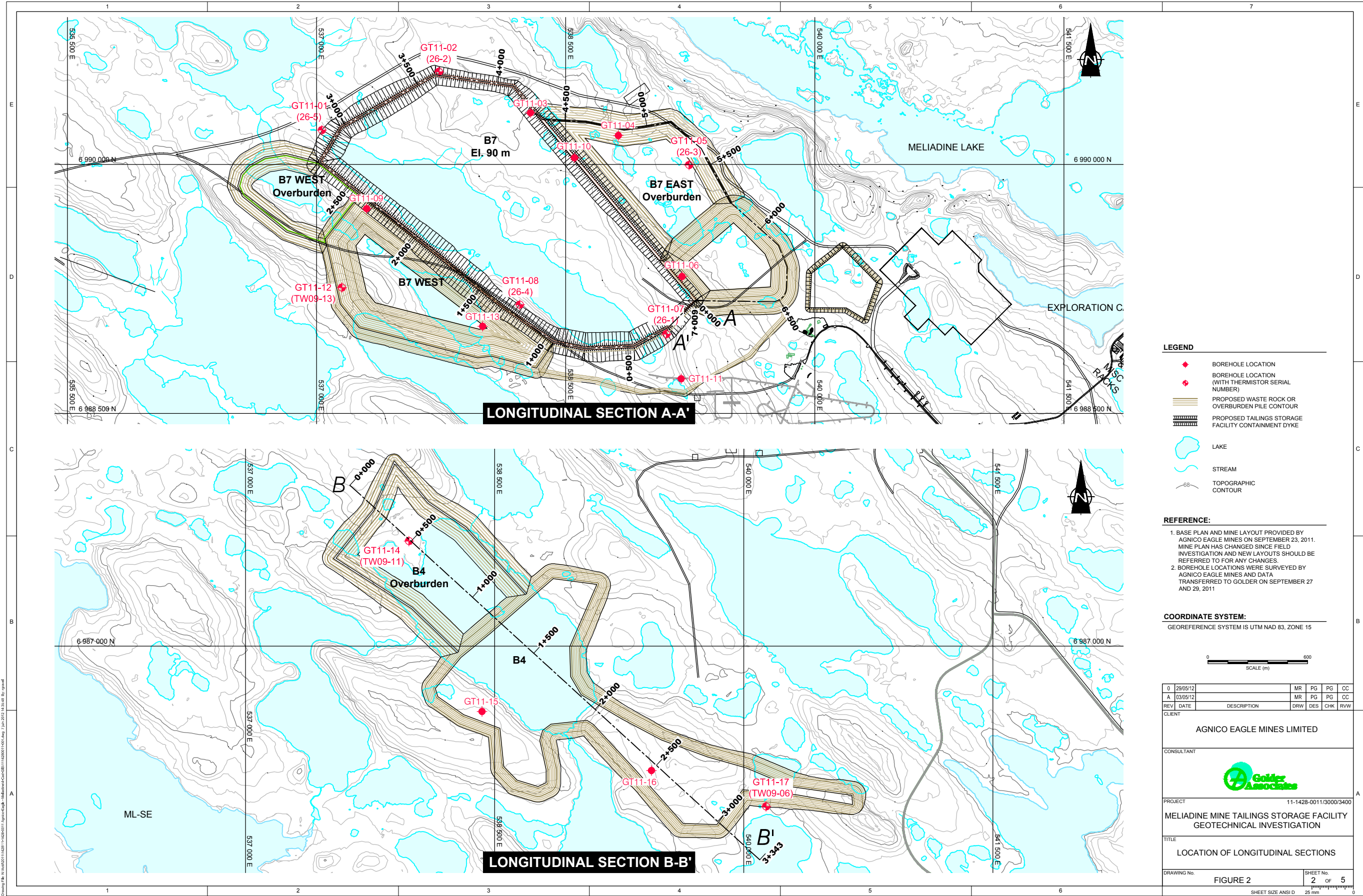
COORDINATE SYSTEM:

GEOREFERENCE SYSTEM IS UTM NAD 83, ZONE 15



BOREHOLE NUMBER	EASTING (X, m)	NORTHING (Y, m)
GT11-01	537,031.32	6,990,206.32
GT11-02	537,737.04	6,990,558.27
GT11-03	538,287.83	6,990,310.91
GT11-04	538,816.65	6,990,174.26
GT11-05	539,242.80	6,989,996.43
GT11-06	539,200.35	6,989,324.87
GT11-07	539,105.95	6,988,978.25
GT11-08	538,223.18	6,989,155.10
GT11-09	537,301.45	6,989,733.82
GT11-10	538,552.55	6,990,039.98
GT11-11	539,194.63	6,988,709.45
GT11-12	537,151.84	6,989,258.49
GT11-13	537,999.77	6,989,024.67
GT11-14	537,974.10	6,987,630.35
GT11-15	537,427.94	6,986,598.81
GT11-16	539,448.33	6,986,244.81
GT11-17	540,160.59	6,986,038.95

0	29/05/12		MR	PG	PG	CC
A	03/05/12		MR	PG	PG	CC
REV	DATE	DESCRIPTION	DRW	DES	CHK	RWV
CLIENT						
AGNICO EAGLE MINES LIMITED						
CONSULTANT						
						
PROJECT						
11-1428-0011/3000/3400						
MELIADINE MINE TAILINGS STORAGE FACILITY GEOTECHNICAL INVESTIGATION						
TITLE						
SITE PLAN						
DRAWING No.						
FIGURE 1						
SHEET No.						
1 OF 5						
SHEET SIZE ANSI D 25 mm						



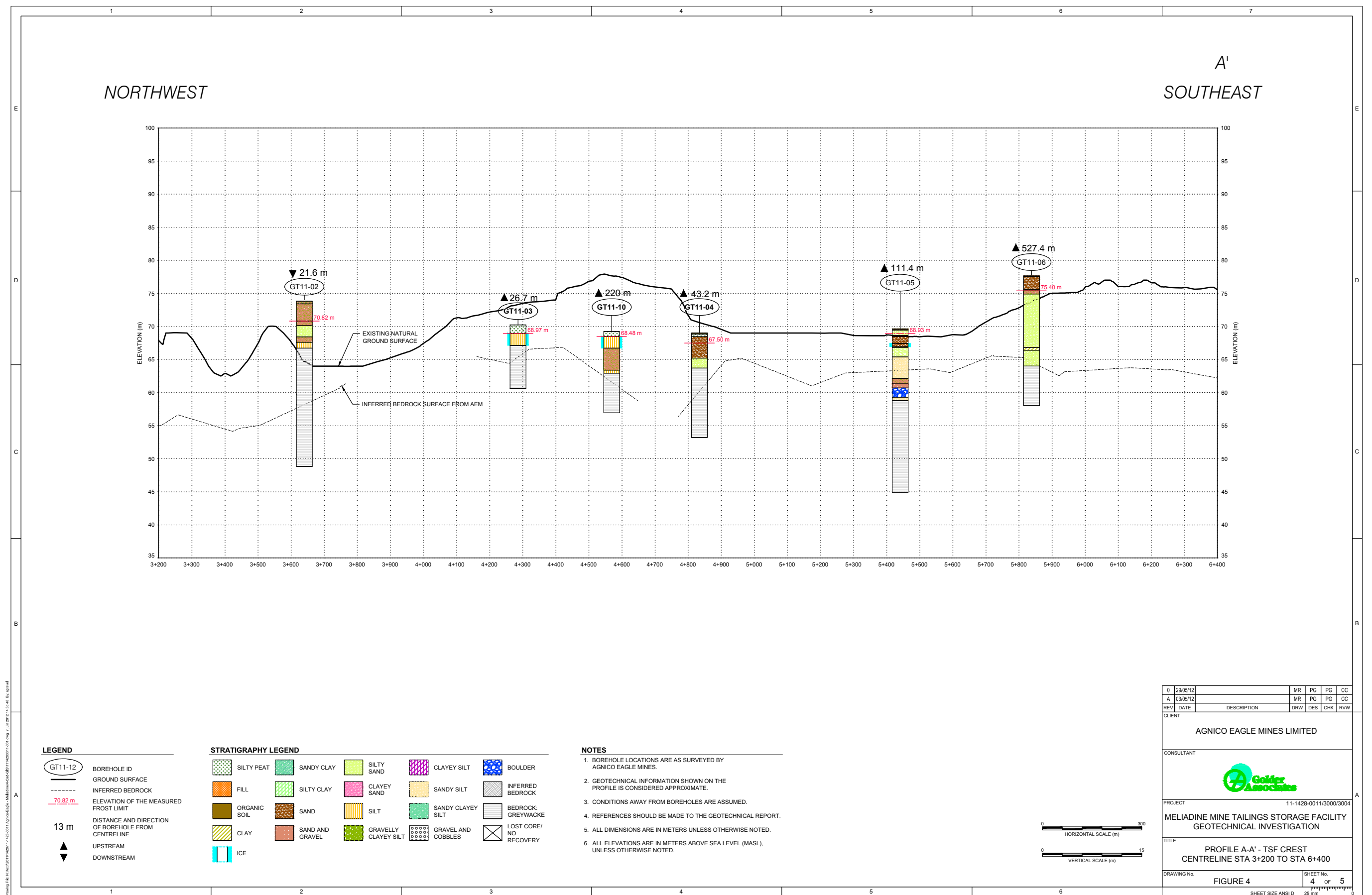


- ### STRATIGRAPHY LEGEND



-

0	29/05/12				MR	PG	PG	CC
A	03/05/12				MR	PG	PG	CC
REV	DATE	DESCRIPTION			DRW	DES	CHK	RWK
CLIENT								
AGNICO EAGLE MINES LIMITED								
CONSULTANT								
					A			
PROJECT					11-1428-0011/3000/3400			
MELIADINE MINE TAILINGS STORAGE FACILITY GEOTECHNICAL INVESTIGATION								
TITLE								
PROFILE A-A' - TSF CREST CENTRELINE STA 0+000 to STA 3+200								
DRAWING No.						SHEET No.		
FIGURE 3						3 OF 5		
SHEET SIZE: ANSI D						25 mm		





APPENDIX A

Records of Boreholes

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-01

SHEET 1 OF 3

LOCATION: TSF DYKE B7

DRILLING DATE: September 5th, 2011

DATUM: NAD 83 ZONE 15

N: 6990206 E: 537031 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	20		40		60				80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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0	ROTARY/DRILLING (DRI #5 LF70) (H03)	Ground Surface		62.89																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

DEPTH SCALE

LOGGED: E.S./J.B.

1 : 50

CHECKED: P.G./C.C.

SHEET 2 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 5th, 2011
DRILLING CONTRACTOR: Boart Longyear

PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION

CHECKED: P.G./C.C.

SHEET 3 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 5th, 2011
DRILLING CONTRACTOR: Boart Longyear

PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION

DEPTH SCALE
1 : 50

LOGGED: E.S./J.B.
CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-02

SHEET 1 OF 3

LOCATION: TSF DYKE B7

N: 6990558 E: 537737 UTM Zone: 15

DRILLING DATE: September 3rd, 2011

DATUM: NAD 83 ZONE 15

DRILLING CONTRACTOR: Boart Longyear

File N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATL.GPJ Output Form BC BOREHOLE (SONIC) (AUTO) Template BC REGION LIBRARY (GUB sheet) 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE			SAMPLES			RUN		GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - rem V. ⊕ U -				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	WATER CONTENT %									
													field est. - ⊗									
													lab. - ⊙									
0		Ground Surface		73.82																		
	ROTARY DRILLING (Drill #5 LF70) (HQ3)	Loose, massive, dark brown to black, silty to sandy PEAT, some gravel, contains angular to sub-angular cobbles and boulders.		0.00																		
				73.42				1														
		Compact, massive, grey, silty gravelly SAND, contains angular to sub-angular cobbles and boulders.		0.40	1-T2	SC																
1								2				33	35	32		○		NP				
								3														
2								4														
								5														
3			Becoming frozen (Vs). Chloride: 221mg/kg ; Sodium: 141mg/kg		70.82																	
					3.00																	
4			Frozen (Vr), grey, silty SAND, some gravel, contains angular to sub-angular cobbles and boulders.		70.12																	
					3.70	5b-T2	SC															
			Frozen (Vr), grey, silty SAND, some gravel, trace clay, contains sub-angular cobbles and angular boulders.		69.72				6													
					4.10																	
5		Inferred ice content: 12.0%			6-T2	SC					18	47	35		○		NP					
				68.42																		
		Frozen (Vs), grey, silty gravelly SAND, trace clay, contains angular to sub-angular cobbles and boulders. Inferred ice content: 7.3%		5.40	7-T2	SC		8			27	41	32		○							
6								7														
		Frozen (Vr), grey, SILT, some sand, some gravel, trace clay, contains angular to sub-angular cobbles and boulders.		67.62																		
				6.20																		
7				66.72																		
				7.10																		
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.																				
8																						
9																						
10																						

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

SHEET 2 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 3rd, 2011
DRILLING CONTRACTOR: Boart Longyear

PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION

[illegible]

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-02

SHEET 3 OF 3

LOCATION: TSF DYKE B7
N: 6990558 E: 537737 UTM Zone: 15

DRILLING DATE: September 3rd, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
						INDEXES				RECOVERY				FRACTURE INDEX PER	Jn	DISCONTINUITY DATA				Jcon		Jr	Ja	Fault/Breccia/Gouge	Lost Core																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-03

SHEET 1 OF 2

LOCATION: TSF DYKE B7 / OVERBURDEN STOCKPILE - B7 EAST

DRILLING DATE: September 1st, 2011

DATUM: NAD 83 ZONE 15

N: 6990311 E: 538288 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

File N:\ACTIF\2011\1428-0011\AGNICO-EAGLE - MELADINE4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATLGPJ Output Form\BC BOREHOLE (SONC)\AUTO_Template\BC REGION TEMPLATE BETA 1.GDT Library\BC REGION LIBRARY\GUB sheetasky 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				WATER CONTENT %				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	20		40		60				80	
									80	60	40	20				Wp	W	WI	nat V. + rem V. ⊕	Q - U - ○	field est. - lab - ○			ice est. - ○	
0	(Drill #5 LF 70) (HQ3) ROTARY DRILLING	Ground Surface		70.23																					
		Very loose, massive, dark brown to black, silty PEAT		0.00																					
1							20	1																	
		Becoming loose with presence of cobbles from 1.22m to 1.26m.		69.13																					
		ICE with inclusions of grey SILT, some sand, some angular gravel.		68.97																					
		Brownish grey, ICE and SILT, some sand, some angular gravel, contains angular to sub-angular cobbles and boulders. Inferred ice content: 458.5%		1.26	4a	SC																			
2				68.73																					
				1.50	4b	SC																			
3																									
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		67.13																					
				3.10																					
4																									
5																									
6																									
7																									
8																									
9																									
10																									

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

SHEET 2 OF 2
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 1st, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE
1 : 50

LOGGED: E.S./J.B.
CHECKED: P.G./C.C.

SHEET 1 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: August 31st, 2011
DRILLING CONTRACTOR: Boart Longyear

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-04

SHEET 2 OF 3

LOCATION: OVERBURDEN STOCKPILE - B7 EAST
N: 6990174 E: 538817 UTM Zone: 15

DRILLING DATE: August 31st, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.														PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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						ROCK STRENGTH				WEATHERING				TOTAL CORE %		R.Q.D. %		FRACTURE INDEX PER	Jn		DIP W/L CORE AXIS (alpha) COR		Jr	Ja	Fault/Breccia/Gouge	Lost Core																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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5	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Cont'd from Record of Borehole. Frozen (Vs), grey, SILT and SAND, some gravel, contains angular to sub-angular cobbles and boulders. (continued) Moderately weathered, tightly foliated, dark grey, fine grained, faintly porous, strong, GREYWACKE, presence of dyke (quartz with sulphides)		64.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

LOCATION: OVERBURDEN STOCKPILE - B7 EAST
N: 6990174 E: 538817 UTM Zone: 15

DRILLING DATE: August 31st, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

[illegible]

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-05

SHEET 1 OF 4

LOCATION: OVERBURDEN STOCKPILE - B7 EAST

DRILLING DATE: August 30th, 2011

DATUM: NAD 83 ZONE 15

N: 6989996 E: 539243 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - ● rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	WATER CONTENT %																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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DEPTH SCALE

LOGGED: E.S./J.B.

1 : 50

CHECKED: P.G./C.C.

SHEET 2 OF 4
DATUM: NAD 83 ZONE 15

DRILLING DATE: August 30th, 2011
DRILLING CONTRACTOR: Boart Longyear

File Name: \ACTF2011\1428\1428-0011 AGNICO-EAGLE - MELIADINE-4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)-MTL-GPJ Output Form: BC, BOREHOLE (SONIC) (AUTO) Template: BC REGION TEMPLATE BETA 1.GDT Library: BC REGION LIBRARY\GLB \$ \$bstresky 15-2-12

CHECKED: P.G./C.C.

SHEET 3 OF 4
DATUM: NAD 83 ZONE 15

DRILLING DATE: August 30th, 2011
DRILLING CONTRACTOR: Boart Longyear

PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION

CHECKED: P.G./C.C.

LOCATION: OVERBURDEN STOCKPILE - B7 EAST
N: 6989996 E: 539243 UTM Zone: 15

DRILLING DATE: August 30th, 2011

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																Piezometer, Standpipe or Thermistor Installation														
						INDECES				RECOVERY				Fracture Index F _{INDEX}	J _n	DISCONTINUITY DATA				J _{CON}	J _r		J _a	Fault/Breccia/Gouge Lost Broken Code												
						ROCK STRENGTH		WEATHERING		TOTAL CORE %		R.Q.D. %				TYPE AND SURFACE DESCRIPTION																				
						R ₁	R ₂	W ₁	W ₂	T ₁	T ₂	R ₁	R ₂																							
21	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Becoming slightly weathered. (continued)			20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2						3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
3						4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
4						5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
5						6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
6						7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
7						8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
8						9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
9						10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
10						11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										
11						12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											
12						13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31												
22					21	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2						3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
3						4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
4						5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
5						6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
6						7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27										

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-06

SHEET 1 OF 3

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 EAST
N: 6989325 E: 539200 UTM Zone: 15

DRILLING DATE: August 29th, 2011

DATUM: NAD 83 ZONE 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG METHOD	SOIL PROFILE		SAMPLES		RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	WATER CONTENT %					
													field est. -		lab -			
0		Ground Surface		77.65														
		FILL: Loose, brown, SAND, some gravel, some silt, contains angular to sub-angular cobbles.		0.10				1										
		Compact, brown, SAND, some gravel, some silt, contains angular to sub-angular cobbles and boulders.		77.07														
		Becoming grey		0.58														
1								2										
					1	SS	26	3										
2																		
		Soft, grey, CLAY, some to trace silt, trace sand.		75.55														
		Compact, grey, sandy gravelly SILT, trace clay, contains angular to sub-angular cobbles and boulders		2.25				4										
		Becoming frozen (Nbe).		75.15														
		Becoming frozen (Vs), some gravel. Inferred ice content: 21.0%		2.50														
		Frozen (Nbn), grey, SAND and SILT, trace clay, trace gravel, contains angular to sub-angular cobbles and boulders.		74.90						24	34	42						
3				2.75				5										
					7	SC												
								6										
4																		
								7										
					8	SC				9	41	50						
5								8										
		Chloride: 510mg/kg ; Sodium: 279mg/kg						9										
					9	SC												
7								10										
8								11										
9								12										
					10	SC												
								13										
10																		
CONTINUED NEXT PAGE																		

CONTINUED NEXT PAGE

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-06

SHEET 2 OF 3

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 EAST

DRILLING DATE: August 29th, 2011

DATUM: NAD 83 ZONE 15

N: 6989325 E: 539200 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE			SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - ● rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	20 40 60 80				field est. - ⊕ lab - ○ ice est. - ○					
									WATER CONTENT %							Wp ○ W WI				10 20 30 40					
10	(Drill #5 LF70) (HO3) ROTARY DRILLING			67.15				13																	
		Becoming frozen (Vr)		10.50																					
				66.85																					
11		Frozen (Nbn), grey, CLAY, some silt, trace gravel, contains angular to sub-angular cobbles and boulders		10.80																					
		Frozen (Nbn), grey, SAND and SILT, trace clay, trace gravel, contains angular to sub-angular cobbles and boulders.		66.40	11	SC		14																	
				11.25																					
12																									
13								15																	
				64.03																					
				13.62																					
14		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.																							
15																									
16																									
17																									
18																									
19																									
20																									

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-06

SHEET 3 OF 3

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 EAST
N: 6989325 E: 539200 UTM Zone: 15

DRILLING DATE: August 29th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90°

AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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						ROCK STRENGTH				WEATHERING				TOTAL CORE %		R.Q.D. %		FRACTURE INDEX PER	Jn	DIP W/L CORE AXIS (deg)			TYPE AND SURFACE DESCRIPTION	J _{CON}	J _r	J _a	Fault/Breccia/Gouge Lost Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
						R ₅	R ₄	R ₃	R ₂	W ₂	W ₃	W ₄	W ₅	80	60	40	20			80		60						40	20	0	1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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13	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Cont'd from Record of Borehole. Frozen (Nbn), grey, SAND and SILT, trace clay, trace gravel, contains angular to sub-angular cobbles and boulders. <i>(continued)</i>		64.65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-07

SHEET 1 OF 3

LOCATION: TSF DYKE B7

DRILLING DATE: August 26th to 27th, 2011

DATUM: NAD 83 ZONE 15

N: 6988978 E: 539106 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

File: N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATLGPJ Output Form\BC BOREHOLE (SONC)\AUTO_Template\BC REGION TEMPLATE BETA 1.GDT Library\BC REGION LIBRARY\GUB sheetkey 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				WATER CONTENT %				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	nat V. + Q - ● rem V. ⊕ U - ○							
																field est. - ⊕ lab - ○ ice est. - ○							
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		65.26																			
		PEAT cover.		0.08																			
		Black, SILTY PEAT.																					
		Sample partially washed, recovery of gravel and cobbles.		64.65 0.61																			
1																							
2		Frozen (Vx), grey brown, silty SAND and GRAVEL, contains angular to sub-angular cobbles and boulders. Inferred ice content: 11.8%		63.76 1.50	2	SC																	
3																							
4																							
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6																							
7		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		59.19 6.07																			
8																							
9																							
10																							

DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-07

SHEET 2 OF 3

LOCATION: TSF DYKE B7
N: 6988978 E: 539106 UTM Zone: 15

DRILLING DATE: August 26th to 27th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.													PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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						ROCK STRENGTH	WEATHERING			TOTAL CORE %	R.Q.D. %		Jn	DIP w.r.t. CORE AXIS (alpha) CHANGES	TYPE AND SURFACE DESCRIPTION	J CON	Jr		Ja																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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DEPTH SCALE

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LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-07

SHEET 3 OF 3

LOCATION: TSF DYKE B7
N: 6988978 E: 539106 UTM Zone: 15

DRILLING DATE: August 26th to 27th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																		PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION						
						INDEXES				RECOVERY				DISCONTINUITY DATA																
						ROCK STRENGTH				WEATHERING				TOTAL CORE %				R.Q.D. %		FRACTURE INDEX		Jn	DIP w.r.t. CORE AXIS (deg)		TYPE AND SURFACE DESCRIPTION	J _{CON}	J _r	J _a	Fault/Breccia/Gouge	Lost Core
						R ₁	R ₂	R ₃	R ₄	W ₁	W ₂	W ₃	W ₄	A ₁	A ₂	A ₃	A ₄	80	60	40	20									
						ALTERATION	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		19	20	21	22	23	24
15-27.2	ROTARY DRILLING (Drill #5, LF70) (HQ3)	Becoming slightly weathered, faintly porous. (continued)		15.44	16						2		•	JN, UN, SM, Cl, <1 JN, UN, SM, Cl-Su, <1 JN, UN, SM, Cl, <1 JN, ST-IR, Ro, Cl, <1 JN, ST-IR, Ro, Cl, <1 JN, UN, SM, Cl, <1 JN, ST-UN, Ro, Cl-Bt, <1 FO, PL-ST, SM, Cl, <1 JN, UN-IR, SM, Cl, <1 JN, UN-ST, Ro, Cl, <1 JN, UN, SM, Cl, <1																
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DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-08

SHEET 1 OF 4

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 WEST

DRILLING DATE: September 8th, 2011

DATUM: NAD 83 ZONE 15

N: 6989155 E: 538223 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG METHOD	SOIL PROFILE		SAMPLES			RUN			GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - ● rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %			GRAVEL	SAND	FINES	WATER CONTENT %							
									80	60	40				20	field est. -		lab -	ice est. -			
																Wp	W			WI		
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		70.83																		
		ORGANIC SOIL.		0.06				1														
		Loose to compact, brown, sandy SILT, contains organic matter.																				
				70.33		SS	15/500mm															
		Compact, brown, SAND, some silt, contains angular to sub-angular cobbles.		0.50	2	SS	28	2														
1				69.73																		
		Frozen (Vc), brownish-grey, gravelly silty SAND, contains angular to sub-angular cobbles. Inferred ice content: 140.6%		1.10	3	SC		3				31	40	29		○						
				69.03																		
2			Becoming with trace clay.		1.80																	
			Inferred ice content: 42.9%			4	SC		4								○					
3				67.73																		
		BOULDER of 400mm thick.		3.10				5														
		Frozen (Nbn), grey, SAND and SILT, some sub-angular gravel, trace clay.		67.33	5	SC																
				67.03																		
4		BOULDER of 490mm thick		3.80																		
		Frozen (Nbn), grey, sandy SILT, some sub-angular gravel, trace clay.		66.54				6														
				4.29																		
5		Inferred ice content: 8.1%		65.99	6	SC										○						
		Frozen (Nbe), grey, SAND and SILT, some gravel, contains angular cobbles and boulders.		4.84				7														
6								8														
					9	SC		9			17	45	38		○		NP					
7																						
								10														
8																						
					11	SC		11														
9																						
				61.07																		
				9.76				12														
10																						
		CONTINUED NEXT PAGE																				

DEPTH SCALE

1 : 50

LOGGED: N.P./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-08

SHEET 2 OF 4

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 WEST

DRILLING DATE: September 8th, 2011

DATUM: NAD 83 ZONE 15

N: 6989155 E: 538223 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				WATER CONTENT %				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	nat V. + Q - rem V. U -				field est. - lab - ice est. -					
									80	60	40	20				20	40	60	80	Wp	W			WI	10
10	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Frozen (Nbe to Vr), grey, sandy CLAY, some gravel, contains angular to sub-angular cobbles and boulders. (continued)																							
11		Frozen (Vr), grey, CLAY, trace sand, trace gravel, contains angular cobbles and boulders.																							
		Frozen (Nbe to Vr), grey, sandy CLAY, some gravel, contains angular to sub-angular cobbles and boulders.																							
12																									
13		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.																							
14																									
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20																									

DEPTH SCALE

1 : 50

LOGGED: N.P./J.B.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-08

SHEET 3 OF 4

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 WEST

N: 6989155 E: 538223 UTM Zone: 15

DRILLING DATE: September 8th, 2011

DRILLING CONTRACTOR: Boart Longyear

DATUM: NAD 83 ZONE 15

INCLINATION: -90°

AZIMUTH: n/a

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					No.	INDEXES				RECOVERY				FRACTURE INDEX PER M	Jn	DISCONTINUITY DATA			Fault/Breccia/Gouge Lost Core																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						ROCK STRENGTH R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44 R45 R46 R47 R48 R49 R50 R51 R52 R53 R54 R55 R56 R57 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 R69 R70 R71 R72 R73 R74 R75 R76 R77 R78 R79 R80 R81 R82 R83 R84 R85 R86 R87 R88 R89 R90 R91 R92 R93 R94 R95 R96 R97 R98 R99 R100	WEATHERING W1 W2 W3 W4 W5 W6 W7 W8 W9 W10 W11 W12 W13 W14 W15 W16 W17 W18 W19 W20 W21 W22 W23 W24 W25 W26 W27 W28 W29 W30 W31 W32 W33 W34 W35 W36 W37 W38 W39 W40 W41 W42 W43 W44 W45 W46 W47 W48 W49 W50 W51 W52 W53 W54 W55 W56 W57 W58 W59 W60 W61 W62 W63 W64 W65 W66 W67 W68 W69 W70 W71 W72 W73 W74 W75 W76 W77 W78 W79 W80 W81 W82 W83 W84 W85 W86 W87 W88 W89 W90 W91 W92 W93 W94 W95 W96 W97 W98 W99 W100	TOTAL CORE % T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23 T24 T25 T26 T27 T28 T29 T30 T31 T32 T33 T34 T35 T36 T37 T38 T39 T40 T41 T42 T43 T44 T45 T46 T47 T48 T49 T50 T51 T52 T53 T54 T55 T56 T57 T58 T59 T60 T61 T62 T63 T64 T65 T66 T67 T68 T69 T70 T71 T72 T73 T74 T75 T76 T77 T78 T79 T80 T81 T82 T83 T84 T85 T86 T87 T88 T89 T90 T91 T92 T93 T94 T95 T96 T97 T98 T99 T100	R.O.D. % R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44 R45 R46 R47 R48 R49 R50 R51 R52 R53 R54 R55 R56 R57 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 R69 R70 R71 R72 R73 R74 R75 R76 R77 R78 R79 R80 R81 R82 R83 R84 R85 R86 R87 R88 R89 R90 R91 R92 R93 R94 R95 R96 R97 R98 R99 R100	DIP w.r.t. CORE AXIS (alpha) C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100	TYPE AND SURFACE DESCRIPTION	J _{CON}	J _r			J _a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
12	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Cont'd from Record of Borehole. Frozen (Nbe to Vr), grey, sandy CLAY, some gravel, contains angular to sub-angular cobbles and boulders. (continued)		58.83																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

DEPTH SCALE

1 : 50

LOGGED: N.P./J.B.

CHECKED: P.G./C.C.

SHEET 4 OF 4
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 8th, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE
1 : 50

LOGGED: N.P./J.B.
CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-09

SHEET 1 OF 4

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 WEST

DRILLING DATE: September 7th, 2011

DATUM: NAD 83 ZONE 15

N: 6989734 E: 537301 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE			SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - ● rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	WATER CONTENT %				field est. - lab - ice est. -									
													20 40 60 80				Wp — W — Wi				10 20 30 40					
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		71.05																						
		Loose, massive, dark brown to black, SILTY PEAT, presence of rootlets.		70.85				1	80 60 40 20																	
		Compact, massive, brownish grey, sandy silty GRAVEL, contains angular cobbles and boulders.		0.20				2																		
1					2	SS																				
2		Frozen, ICE and brownish grey, sandy silty GRAVEL, contains angular cobbles and boulders (suspended cryostructure). Inferred ice content: 49.3% Inferred ice content: 61.3%		69.95 1.10				3																		
								4																		
										48	27	25														
																	</									

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-09

SHEET 2 OF 4

LOCATION: TSF DYKE B7 / WASTE ROCK PILE - B7 WEST

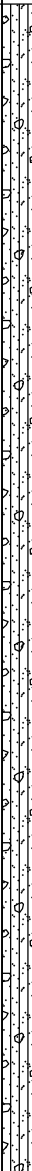
DRILLING DATE: September 7th, 2011

DATUM: NAD 83 ZONE 15

N: 6989734 E: 537301 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

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DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE			SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - ● rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																					
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	20		40		60		80																							
									80	60	40	20				WATER CONTENT %				field est. - ⊖ lab - ○ ice est. - ◇																									
																Wp	W	WI																											
10	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Frozen (Nbe), grey, sandy gravelly SILT, trace clay, contains angular cobbles and boulders <i>(continued)</i>						12																																					
11																								12	SC																				
12																																													
13																																													
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DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

SHEET 4 OF 4
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 7th, 2011
DRILLING CONTRACTOR: Boart Longyear

PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION

DEPTH SCALE
1 : 50

LOGGED: E.S./J.B.
CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-10

SHEET 1 OF 2

LOCATION: TSF DYKE B7 / OVERBURDEN STOCKPILE - B7 EAST

DRILLING DATE: September 2nd, 2011

DATUM: NAD 83 ZONE 15

N: 6990040 E: 538553 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - ● rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	WATER CONTENT %							
									80	60	40	20				field est. - ○ lab - ○ ice est. - ○							
																Wp	W	WI					
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		69.23																			
		Loose, massive, dark brown to black, silty PEAT, some gravel, presence of rootlets.		0.00				1															
1		Frozen (Nf), massive, grey, ICE and SILT, some sand, trace clay.		68.48	2	SS		2															
				0.75				3															
		Inferred ice content: 83.3%			3	SC		3															
2		Inferred ice content: 452.8%			4a	SC		4															
					4b	SC		4															
					5	SC		5															
3		Frozen (Nbn), grey gravelly sandy SILT, trace clay, contains angular to sub-angular cobbles and boulders.		66.73				6															
				2.50	6	SC		6															
4		Inferred ice content: 7.8%			7	SC		7				29	25	46									
								8															
5																							
6		Frozen (Nbn), grey, SILT, trace sand, gravel and clay, contains angular to sub-angular cobbles and boulders.		63.40				9				7	6	87									
	Inferred ice content: 2.9%		5.83	9	SC																		
7	Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		62.95																				
			6.28																				
8																							
9																							
10																							

DEPTH SCALE

LOGGED: E.S./J.B.

1 : 50

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-10

SHEET 2 OF 2

LOCATION: TSF DYKE B7 / OVERBURDEN STOCKPILE - B7 EAST

N: 6990040 E: 538553 UTM Zone: 15

DRILLING DATE: September 2nd, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90°

AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						INDEXES				RECOVERY				FRACTURE INDEX PER	Jn	DISCONTINUITY DATA				J _{CON}		J _r	J _a	Fault/Breccia/Gouge Lost Broken Core																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						ROCK STRENGTH	WEATHERING			TOTAL CORE %	R.Q.D. %	DIP w.r.t. CORE AXIS (deg)	TYPE AND SURFACE DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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DEPTH SCALE

1 : 50

LOGGED: E.S./J.B.

CHECKED: P.G./C.C.

SHEET 1 OF 2
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 12th, 2011
DRILLING CONTRACTOR: Boart Longyear

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-11

SHEET 2 OF 2

LOCATION: TSF DYKE B7
N: 6988709 E: 539195 UTM Zone: 15

DRILLING DATE: September 12th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.												J _{CON}	J _r	J _a	Fault/Fractal Gauge Lost Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
					INDEXES				RECOVERY				DISCONTINUITY DATA										
					ROCK STRENGTH		WEATHERING		TOTAL CORE %		R.Q.D. %		FRACTURE INDEX PER		DIP W/L CORE AXIS (deg)							TYPE AND SURFACE DESCRIPTION	
					R ₁	R ₂	W ₁	W ₂	T ₁	T ₂	R ₁	R ₂	F ₁	F ₂	D ₁	D ₂						T ₁	T ₂
			60.09																				
8	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Cont'd from Record of Borehole. Frozen (Nbn), grey, silty sandy GRAVEL, trace clay, contains sub-rounded cobbles and angular boulders. <i>(continued)</i> Frozen (Nbn), greenish, CLAY and SILT. Slightly weathered, foliated, greenish dark grey, fine grained, moderately porous, strong GREYWACKE with veinlets (<1mm).	59.84																				
			8.35																				
9			9B																				
10			57.94																				
		Becoming fresh with inclusions of pyrite.	10.15																				
11																							
12	(Drill #5 LF70) (HQ3) ROTARY DRILLING																						
13			55.34																				
		Becoming with banded foliations and veins (1mm to <10mm) of quartz with sulfure.	12.75																				
14																							
15			53.84																				
		Becoming very strong.	14.25																				
16		End of Drillhole.	52.34																				
			15.75																				
17																							
18																							

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

SHEET 1 OF 4
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 11th, 2011
DRILLING CONTRACTOR: Boart Longyear

CHECKED: P.G./C.C.

15-2-12

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-12

SHEET 2 OF 4

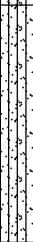
LOCATION: WASTE ROCK PILE - B7 WEST
N: 6989258 E: 537152 UTM Zone: 15

DRILLING DATE: September 11th, 2011

DATUM: NAD 83 ZONE 15

DRILLING CONTRACTOR: Boart Longyear

File N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE\4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATLGPJ Output Form\BC BOREHOLE (SONC)\AUTO Template\BC REGION TEMPLATE BETA 1.GDT Library\BC REGION LIBRARY\GUB sheets\ 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN		GRADATION %			SHEAR STRENGTH Cu, kPa		nat V. + Q - ● rem V. ⊕ U - ○		ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION										
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	WATER CONTENT %		field est. - lab - ice est. -												
													Wp	WI	Wp			WI									
10	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Becoming mixed with crushed rock.		53.90	15	SC	14																				
10.16																											
11																											
12		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		52.33																							
13	11.73																										
14																											
15																											
16																											
17																											
18																											
19																											
20																											

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

SHEET 3 OF 4
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 11th, 2011
DRILLING CONTRACTOR: Boart Longyear

CHECKED: P.G./C.C.

LOCATION: WASTE ROCK PILE - B7 WEST
N: 6989258 E: 537152 UTM Zone: 15

DRILLING DATE: September 11th, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

[illegible]

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-13

SHEET 1 OF 2

LOCATION: WASTE ROCK PILE - B7 WEST
N: 6989025 E: 538000 UTM Zone: 15

DRILLING DATE: September 9th, 2011

DATUM: NAD 83 ZONE 15

DRILLING CONTRACTOR: Boart Longyear

File N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE\4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATL.GPJ Output Form BC BOREHOLE (SONC)\AUTO Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY\GUB sheetesky 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES		RUN		GRADATION %			SHEAR STRENGTH Cu, kPa				WATER CONTENT %				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	nat V. + Q - ●		rem V. ⊕ U - ○					
													20 40 60 80		field est. - ⊗					
													Wp — W — WI		ice est. - ○					
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		61.97																
		ORGANIC MATTER.																		
		Loose, brown, SAND and SILT, trace rounded gravel.		0.10	1	SS	6	1												
		Compact, brownish-grey, gravelly SAND, some silt, trace clay.		61.52				2												
				0.45																
1			Compact, brownish-grey, SILT and SAND, presence of angular to sub-angular cobbles and boulders.		61.07	2	SS	12	3		30	55	15		○		NP			
				0.90																
		COBBLES and sub-angular to rounded GRAVEL.		60.32																
				60.12																
2		Frozen (Nbn), grey SILT and SAND, some sub-angular gravel, trace clay. Inferred ice content: 44.7%		1.85	4	SC		4A		20	39	41		○		NP				
				59.87																
				2.10																
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.																		
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-13

SHEET 2 OF 2

LOCATION: WASTE ROCK PILE - B7 WEST
N: 6989025 E: 538000 UTM Zone: 15

DRILLING DATE: September 9th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90°

AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

File N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATL GPJ Output Form BC DRILLHOLE (MINING STD). Template BC REGION LIBRARY GLB Spineasy 15-2-12

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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						ROCK STRENGTH				WEATHERING				TOTAL CORE %		R.Q.D. %		FRACTURE INDEX PER	Jn	DIP w.r.t. CORE AXIS (alpha) 0-90°		TYPE AND SURFACE DESCRIPTION	J _{CON}	J _r	J _a	Fault/Breccia/Gouge	Lost Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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						R ₁	R ₂	R ₃	R ₄	W ₁	W ₂	W ₃	W ₄	A ₁	A ₂	A ₃	A ₄											A ₅	A ₆	A ₇	A ₈	A ₉	A ₁₀																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
2	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Cont'd from Record of Borehole. Frozen (Nbn), grey SILT and SAND, some sub-angular gravel, trace clay. (continued) Slightly weathered, lightly foliated, grey, fine grained, moderately porous, strong, GREYWACKE, presence of veinlets and veins.		59.97 59.87 2.10	4B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-14

SHEET 1 OF 3

LOCATION: OVERBURDEN STOCKPILE B4

DRILLING DATE: September 13th, 2011

DATUM: NAD 83 ZONE 15

N: 6987630 E: 537974 UTM Zone: 15

DRILLING CONTRACTOR: Boart Longyear

File: N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATLGPJ Output Form\BC BOREHOLE (SONC)\AUTO_Template\BC REGION TEMPLATE BETA 1.GDT Library\BC REGION LIBRARY\GUB.stn\sheet1 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE			SAMPLES		RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - rem V. ⊕ U - ● ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	WATER CONTENT %				field est. - ⊗ lab - ○ ice est. - ⊙					
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		57.30																					
		Brown, sandy SILT, some sub-angular gravel, trace clay.		0.00																					
				56.51				1																	
1		Becoming frozen (Vc).		0.79	1	SC																			
		Frozen (Vc), grey, gravelly SILT and SAND, contains sub-angular cobbles and boulders.		56.30	2	SC		2																	
				1.00																					
				55.55																					
2		Becoming frozen (Nbn).		1.75																					
		Inferred ice content: 2.7%				3	SC		3				28	37	35		○		NP						
						4	SC		4																
4					53.12																				
		Frozen (Nbn), grey, SILT and SAND, some angular gravel, contains cobbles and boulders.		4.18				5																	
					5	SC																			
5		Inferred ice content: 2.9%																							
				51.71				6																	
		Frozen (Vc), grey, gravelly SILT and SAND, contains sub-angular cobbles and boulders.		5.59																					
6				51.38																					
				5.92																					
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.																							
7																									
8																									
9																									
10																									

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

SHEET 2 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 13th, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

CHECKED: P.G./C.C.

SHEET 3 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 13th, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE
1 : 50

LOGGED: N.P./C.M.
CHECKED: P.G./C.C.

SHEET 1 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 15th, 2011
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE
1 : 50

LOGGED: N.P./C.M.
CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011
LOCATION: WASTE ROCK PILE B4
N: 6986599 E: 538428 UTM Zone: 15

RECORD OF BOREHOLE: GT11-15

DRILLING DATE: September 15th, 2011
DRILLING CONTRACTOR: Boart Longyear

SHEET 2 OF 3
DATUM: NAD 83 ZONE 15

File: N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE\4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORM) ATTL.GPJ Output Form BC BOREHOLE (SONC) (AUTO) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY (GUB) sheetesky 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE			SAMPLES		RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - rem V. ⊕ U - ● ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	WATER CONTENT %				field est. - lab - ice est. -																					
									80	60	40	20				Wp	W	WI	10	20	30			40	-	⊕	○	●													
10	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Becoming with presence of sub-angular boulders. (continued)			10	SC			10																																
11																																									
12			Becoming without presence of sub-angular cobbles and boulders.			11	SC			11																															
		55.50			12.31																																				
		55.20			12.61																																				
13			Becoming with some sand.																																						
			Frozen (Nbn), grey, silty SAND, some gravel, trace of clay.			12	SC			12		41	32	27	○		NP																								
		54.71			13.10																																				
		54.31			13.50																																				
14			Frozen (Nbn), grey, sandy silty GRAVEL, trace clay, contains cobbles.																																						
		53.50			14.31																																				
15		Frozen (Nbn), grey, fine to medium silty SAND, some sub-rounded gravel, trace clay, contains sub-rounded cobbles.			13	SC																																			
16		Frozen (Nbn), grey, sandy silty GRAVEL, trace clay.																																							
	52.00			15.81																																					
17		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.			14	SC																																			
	50.80			17.01																																					
18																																									
19																																									
20																																									

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-15

SHEET 3 OF 3

LOCATION: WASTE ROCK PILE B4
N: 6986599 E: 538428 UTM Zone: 15

DRILLING DATE: September 15th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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						ROCK STRENGTH				WEATHERING				TOTAL CORE %		R.Q.D. %		FRACTURE INDEX (PER 20)	Jn	DIP W/L CORE AXIS (deg) 0 30 60 90		TYPE AND SURFACE DESCRIPTION	J _{CON}	J _r	J _a	Fault/Breccia/Gouge Lost Core																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						R5 R6 R7 R8 R9	R10 R11 R12 R13 R14	R15 R16 R17 R18 R19	R20 R21 R22 R23 R24	W1 W2 W3 W4 W5	W6 W7 W8 W9 W10	W11 W12 W13 W14 W15	W16 W17 W18 W19 W20	W21 W22 W23 W24 W25	W26 W27 W28 W29 W30	W31 W32 W33 W34 W35	W36 W37 W38 W39 W40										W41 W42 W43 W44 W45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
17	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Cont'd from Record of Borehole. Frozen (Nbn), grey, sandy silty GRAVEL, trace clay. <i>(continued)</i>		51.31 16.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-16

SHEET 1 OF 3

LOCATION: WASTE ROCK PILE B4
N: 6986245 E: 539448 UTM Zone: 15

DRILLING DATE: September 16th, 2011

DATUM: NAD 83 ZONE 15

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG METHOD	SOIL PROFILE		SAMPLES			RUN			GRADATION %			SHEAR STRENGTH Cu, kPa				WATER CONTENT %				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	20 40 60 80		20 40 60 80							
													nat V. + Q - ● rem V. ⊕ U - ○	field est. - lab - ice est. -	Wp	W	WI					
0	(Drill #5 LF70) (HQ3) ROTARY DRILLING	Ground Surface		65.96																		
		ORGANIC MATTER.		0.07	1	SC		1														
		Brown, sandy SILT, some clay, trace of sub-rounded gravel.																				
1		Compact, NO RECOVERY.		65.13 0.83			19	2														
		CRUSHED ROCK, BOULDER.		64.68				3														
		Dense, grey, sandy GRAVEL, some silt, trace clay.		64.53				4														
		Becoming frozen (Nbn).		64.36 1.60	4	SS	36	4														
2		Inferred ice content: 5.7%			5	SC		5		65	20	15			O		NP					
		Becoming frozen (Vs) and containing sub-angular cobbles and boulders.		63.63 2.33				6														
3				62.88 3.08	6	SC		7														
		Frozen (Nbn), grey, gravelly SILT and SAND, trace clay, containing sub-angular cobbles and boulders.			8	SC		8														
4								9														
5					9	SC																
6							10															
				10	SC				24	33	43			O		NP						
7							11															
				11	SC																	
8							12															
				12	SC																	
9																						
10				56.13 9.83			13															

CONTINUED NEXT PAGE

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011
LOCATION: WASTE ROCK PILE B4
N: 6986245 E: 539448 UTM Zone: 15

RECORD OF BOREHOLE: GT11-16

DRILLING DATE: September 16th, 2011
DRILLING CONTRACTOR: Boart Longyear

SHEET 2 OF 3
DATUM: NAD 83 ZONE 15

File: N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE\4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\MTLGPJ Output Form\BC BOREHOLE (SONC)\AUTO_Template\BC REGION TEMPLATE BETA 1.GDT Library\BC REGION LIBRARY\GUB sheets\sky 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				WATER CONTENT %				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION				
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	20		40		60				80			
									80	60	40	20				Wp	W	WI	nat V. + rem V. ⊕	Q - U - ○	field est. - lab - ○			ice est. - ice est. - ○			
10	(Drill #5 LF 70) (HQ3) ROTARY DRILLING	Frozen (Nbn), grey, CLAYEY SILT, trace sub-angular sand and gravel, contains sub-angular cobbles and boulders. (continued) Frozen (Vs) with approx. 1cm thick layers of ice. Inferred ice content: 3.4%		55.66 10.30																							
11				13	SC																						
12																											
13				14	SC																						
13				52.86 13.10																							
14		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.																									
15																											
16																											
17																											
18																											
19																											
20																											

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT11-16

SHEET 3 OF 3

LOCATION: WASTE ROCK PILE B4
N: 6986245 E: 539448 UTM Zone: 15

DRILLING DATE: September 16th, 2011

DATUM: NAD 83 ZONE 15

INCLINATION: -90° AZIMUTH: n/a

DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. DEPTH (m)	No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.															PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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						ROCK STRENGTH					WEATHERING					TOTAL CORE %						R.Q.D. %					FRACTURE INDEX PER					Jn					DIP W/L CORE AXIS (deg)					TYPE AND SURFACE DESCRIPTION					J CON					Jr					Ja					Fault/Breccia/Gouge					Lost Core																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

PROJECT No.: 11-1428-0011
LOCATION: WASTE ROCK PILE B4
N: 6986039 E: 540161 UTM Zone: 15

RECORD OF BOREHOLE: GT11-17

DRILLING DATE: September 17th, 2011
DRILLING CONTRACTOR: Boart Longyear

SHEET 1 OF 3
DATUM: NAD 83 ZONE 15

File: N:\ACTIF\2011\1428\0011\AGNICO-EAGLE - MELADINE\4-CAD-GIS\LOG11-1428-0011 TEST HOLES (BURNABY FORMAT)\ATLGPJ Output Form\BC BOREHOLE (SONIC)\AUTO_Template\BC REGION\TEMPLATE BETA 1.GDT Library\BC REGION\LIBRARY\GLB_shteskey 15-2-12

DEPTH SCALE METRES	DRILLING RIG DRILLING METHOD	SOIL PROFILE		SAMPLES			RUN				GRADATION %			SHEAR STRENGTH Cu, kPa				nat V. + Q - rem V. ⊕ U - ○				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %				GRAVEL	SAND	FINES	20		40		60				80	
									80	60	40	20				WATER CONTENT %				field est. - ⊗ lab - ○ ice est. - ◇					
																Wp	W	WI							
0		Ground Surface		60.72																					
	(Drill #5 LF70) (HQ3) ROTARY DRILLING	LOST CORE.		0.00																					
1			ORGANIC MATTER.		59.89					1															
			Brown, sandy SILT, some clay, some sub-angular gravel.		0.99	2	SS	10	2																
			Becoming frozen (Vc).		59.44																				
			Frozen (Vc), brownish-grey SAND and GRAVEL, some silt, trace clay, contains cobbles, one ice vein (approx. 2.5cm thick).		1.28																				
2			Inferred ice content: 52.8%			3	SC		3				40	37	23										
			Becoming grey.		58.39																				
					2.33																				
3			Frozen (Nbn), grey, silty SAND and GRAVEL, contains sub-angular cobbles.		57.87																				
				2.85		4	SC	4																	
4		Frozen (Nbn), grey, sandy gravelly SILT, trace clay, contains sub-angular cobbles.		56.79																					
				3.93																					
5						5	SC	5																	
6																									
						6	SC	6																	
7		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		53.89																					
				6.83																					
8																									
9																									
10																									

DEPTH SCALE

1 : 50

LOGGED: N.P./C.M.

CHECKED: P.G./C.C.

SHEET 2 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 17th, 2011
DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

CHECKED: P.G./C.C.

SHEET 3 OF 3
DATUM: NAD 83 ZONE 15

DRILLING DATE: September 17th, 2011
DRILLING CONTRACTOR: Boart Longyear

PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION

CHECKED: P.G./C.C.



APPENDIX B

Results of Laboratory Testing of Soil Samples

The abbreviation commonly employed on each "Record of Borehole", on the figures and in the text of the report, are as follows:

I. SAMPLE TYPES

AS auger sample
 CS chunk sample
 DO drive open
 DS Denison type sample
 FS foil sample
 RC rock core
 SC soil core
 ST slotted tube
 TO thin-walled, open
 TP thin-walled, piston
 VC vibracore sample
 WS wash sample

II. PENETRATION RESISTANCES

Dynamic Penetration Resistance:

The number of blows by a 63.5 kg (140 lb) hammer dropped 760 mm (30 in.) to drive uncased a 50 mm (2 in.) diameter, 60° cone attached to "A" size drill rods for a distance of 0.3 m (12 in.).

Standard Penetration Resistance, *N*:

The number of blows by a 63.5 kg (140 lb) hammer dropped 760 mm (30 in.) required to drive a 50 mm (2 in.) drive open sampler for a distance of 0.3 m (12 in.).

WH sampler advanced by static weight – weight, hammer

PH sampler advanced by pressure – pressure, hydraulic

PM sampler advanced by pressure – pressure, manual

III. SOIL DESCRIPTION

(a) Cohesionless Soils

<i>Relative Density</i>	<i>'N'</i> <u>Blows/0.30 m</u> <u>Or Blows/ft.</u>
Very loose	0 to 4
Loose	4 to 10
Compact	10 to 30
Dense	30 to 50
Very dense	over 50

(b) Cohesive Soils

<i>Consistency</i>	<i>'Cu'</i> <u>kPa</u>	<u>psf.</u>
Very soft	0 to 12	0 to 250
Soft	12 to 25	250 to 500
Firm	25 to 50	500 to 1000
Stiff	50 to 100	1000 to 2000
Very stiff	100 to 200	2000 to 4000
Hard	over 200	over 4000

IV. SOIL TESTS

A atterberg limits
C consolidation test
DS direct shear
GS specific gravity
H hydrometer analysis
M sieve analysis
MH combined analysis, sieve and hydrometer¹
OC organic content and mass loss on ignition
P permeability test
PM modified proctor
PS standard proctor
Q undrained triaxial²
R consolidated undrained triaxial²
S drained triaxial
U unconfined compression
V field vane test
WC water content

NOTES:

¹Combined analyses when 5 to 95 per cent of the material passes the No. 200 sieve.

²Undrained triaxial tests in which pore pressures are measured are shown as $\bar{Q}$ and $\bar{R}$.

The abbreviation commonly employed on each "Record of Borehole", on the figures and in the text of the report, are as follows:

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Dense	30 to 50
Very dense	over 50

(b) Cohesive Soils

<i>Consistency</i>	<i>'Cu'</i> <u>kPa</u>	<u>psf.</u>
Very soft	0 to 12	0 to 250
Soft	12 to 25	250 to 500
Firm	25 to 50	500 to 1000
Stiff	50 to 100	1000 to 2000
Very stiff	100 to 200	2000 to 4000
Hard	over 200	over 4000

IV. SOIL TESTS

A atterberg limits
C consolidation test
DS direct shear
GS specific gravity
H hydrometer analysis
M sieve analysis
MH combined analysis, sieve and hydrometer¹
OC organic content and mass loss on ignition
P permeability test
PM modified proctor
PS standard proctor
Q undrained triaxial²
R consolidated undrained triaxial²
S drained triaxial
U unconfined compression
V field vane test
WC water content

NOTES:

¹Combined analyses when 5 to 95 per cent of the material passes the No. 200 sieve.

²Undrained triaxial tests in which pore pressures are measured are shown as $\bar{Q}$ and $\bar{R}$.

Summary of Laboratory Results																						
Client: Agnico Eagle Mines Ltd.									Project No.: 11-1428-0011 Phase: 3000 Task: 3100									Compiled By: sschmidt				
Project: Meliadine																		Checked:				
Location: NUNAVUT																		Date: 11/3/2011				
SAMPLING DATA								CLASSIFICATION AND INDEX												OTHER TESTS		
TEST HOLE	SAMPLE NUMBER	SAMPLING DATE(S)	DEPTH (m)		ELEVATION ((m),NAD 83 ZONE 15)		SAMPLE TYPE	NATURAL MOISTURE CONTENT (%)	LIQUID LIMIT (LL) (%)	PLASTIC LIMIT (PL) (%)	PLASTICITY INDEX (PI) (%)	CLASSIFICATION	GRAIN SIZE PERCENT BY WEIGHT			HYDROMETER		SPECIFIC GRAVITY (G _s)	ORGANIC CONTENT (%)	UNCONFINED COMPRESSIVE STRENGTH (MPa)	POINT LOAD (MPa) (A-Axial B-Block D-Diametral L-Lump)	
			TOP	BOTTOM	TOP	BOTTOM							GRAVEL	SAND	FINES	SILT	CLAY					
GT11-01	1	September 5th, 2011	0.00	1.00	62.89	61.89	SC															
GT11-01	2	September 5th, 2011	1.00	1.60	61.89	61.29	SC															
GT11-01	3	September 5th, 2011	1.60	2.54	61.29	60.35	SC															
GT11-01	4	September 5th, 2011	2.54	3.29	60.35	59.60	SC															
GT11-01	5	September 5th, 2011	3.29	4.04	59.60	58.85	SC															
GT11-01	5	September 5th, 2011	3.82	4.04	59.07	58.85	SC	32.7	27	24	3	ML	10	38	52	41	11					
GT11-01	6	September 5th, 2011	4.04	5.02	58.85	57.87	SC															
GT11-01	6	September 5th, 2011	4.81	4.95	58.08	57.94	SC	5.8														
GT11-01	7	September 5th, 2011	5.02	5.24	57.87	57.65	SC															
GT11-01	8	September 5th, 2011	5.24	5.54	57.65	57.35	SC															
GT11-01	9	September 5th, 2011	5.54	6.04	57.35	56.85	SC															
GT11-01	9	September 5th, 2011	5.85	6.00	57.04	56.89	SC	6.0				NP	33	38	29	28	1					
GT11-01	10	September 5th, 2011	6.04	7.04	56.85	55.85	SC															
GT11-01	10	September 5th, 2011	6.85	7.04	56.04	55.85	SC	5.5														
GT11-01	11	September 5th, 2011	7.04	8.54	55.85	54.35	SC															
GT11-01	12	September 5th, 2011	8.54	9.13	54.35	53.76	SC															
GT11-02	1	September 3rd, 2011	0.00	0.75	73.82	73.07	SC															
GT11-02	2	September 3rd, 2011	0.75	1.20	73.07	72.62	SC															
GT11-02	2-T2	September 3rd, 2011	0.90	1.00	72.92	72.82	SC	7.2				NP	33	35	32	30	2					
GT11-02	3	September 3rd, 2011	1.20	2.25	72.62	71.57	SC															
GT11-02	4	September 3rd, 2011	2.25	3.00	71.57	70.82	SC															
GT11-02	5	September 3rd, 2011	3.00	4.10	70.82	69.72	SC															
GT11-02	6	September 3rd, 2011	4.10	4.86	69.72	68.96	SC															
GT11-02	6-T2	September 3rd, 2011	4.86	5.00	68.96	68.82	SC	9.6				NP	18	47	35	29	6					
GT11-02	7	September 3rd, 2011	5.10	6.60	68.72	67.22	SC															
GT11-02	7-T2	September 3rd, 2011	5.40	5.55	68.42	68.27	SC	5.3					27	41	32							
GT11-03	1	September 1st, 2011	0.00	0.50	70.23	69.73	SC															
GT11-03	2	September 1st, 2011	0.50	1.10	69.73	69.13	SS															
GT11-03	3	September 1st, 2011	1.10	1.50	69.13	68.73	SC															
GT11-03	4a	September 1st, 2011	1.50	1.78	68.73	68.45	SC	31.9														
GT11-03	4	September 1st, 2011	1.50	2.00	68.73	68.23	SC															
GT11-03	4b	September 1st, 2011	1.78	2.00	68.45	68.23	SC	10.1														
GT11-03	5	September 1st, 2011	2.00	2.50	68.23	67.73	SC															
GT11-03	6	September 1st, 2011	2.50	3.00	67.73	67.23	SC															
GT11-04	1	August 31st, 2011	0.00	0.47	69.00	68.53	SC															
GT11-04	2	August 31st, 2011	0.47	0.93	68.53	68.07	SS															
GT11-04	3	August 31st, 2011	0.93	1.50	68.07	67.50	SC															
GT11-04	4	August 31st, 2011	1.50	1.96	67.50	67.04	SS	26.0					0	91	9							
GT11-04	5	August 31st, 2011	1.96	2.42	67.04	66.58	SS	18.5														
GT11-04	6	August 31st, 2011	2.42	3.79	66.58	65.21	SC															
GT11-04	7	August 31st, 2011	3.79	4.29	65.21	64.71	SC															
GT11-04	7	August 31st, 2011	3.95	4.27	65.05	64.73		5.8					48	25	27	27	0					
GT11-05	1	August 30th, 2011	0.00	0.71	69.64	68.93	SC															
GT11-05	2	August 30th, 2011	0.71	1.17	68.93	68.47	SS															
GT11-05	3	August 30th, 2011	1.17	1.36	68.47	68.28	SC															
GT11-05	4	August 30th, 2011	1.36	2.21	68.28	67.43	SC															
GT11-05	3	August 30th, 2011	2.21	2.67	67.43	66.97		20.8														
GT11-05	5	August 30th, 2011	2.21	2.67	67.43	66.97	SS															
GT11-05	6	August 30th, 2011	2.67	3.21	66.97	66.43	SC															
GT11-05	4	August 30th, 2011	2.70	2.80	66.94	66.84		17.2														
GT11-05	7	August 30th, 2011	3.21	4.21	66.43	65.43	SC															
GT11-05	5	August 30th, 2011	3.85	4.00	65.79	65.64		7.5					19	37	44							
GT11-05	8	August 30th, 2011	4.21	5.21	65.43	64.43	SC															
GT11-05	7	August 30th, 2011	6.80	7.00	64.64	64.49		10.0					12	27	61							
GT11-05	9	August 30th, 2011	5.21	6.71	64.43	62.93	SC															
GT11-05	10	August 30th, 2011	6.71	8.21	62.93	61.43	SC															
GT11-05	8	August 30th, 2011	7.80	8.00	62.84	62.64		9.4				NP	29	26	45	43	2					
GT11-05	11	August 30th, 2011	8.21	9.71	61.43	59.93	SC															
GT11-05	12	August 30th, 2011	9.71	10.21	59.93	59.43	SC															
GT11-06	1	August 29th, 2011	0.10	0.58	77.55	77.07	SC															
GT11-06	2	August 29th, 2011	0.58	1.52	77.07	76.13	SC															
GT11-06	3	August 29th, 2011	1.52	1.98	76.13	75.67	SS															

File:N:\BUR-GRAPHICS\PROJECTS\2011\1428\11-1428-0011\DRAWING\GINT\ORIGINAL GINT FILES FROM MONTREAL OFFICE\11-1428-0011 TEST HOLES (BURNABY FORMAT).GPJ Output Form:LAB RESULTS SUMMARY (11X17 P - NO RECOV) Template:BC REGION-TEMPLATE BETA1.GDT Library:BC REGION LIBRARY\GLB_sschmidt_110311

Summary of Laboratory Results																						
Client: Agnico Eagle Mines Ltd.									Project No.: 11-1428-0011 Phase: 3000 Task: 3100									Compiled By: sschmidt				
Project: Meliadine																		Checked:				
Location: NUNAVUT																		Date: 11/3/2011				
SAMPLING DATA								CLASSIFICATION AND INDEX												OTHER TESTS		
TEST HOLE	SAMPLE NUMBER	SAMPLING DATE(S)	DEPTH (m)		ELEVATION ((m),NAD 83 ZONE 15)		SAMPLE TYPE	NATURAL MOISTURE CONTENT (%)	LIQUID LIMIT (LL) (%)	PLASTIC LIMIT (PL) (%)	PLASTICITY INDEX (PI) (%)	CLASSIFICATION	GRAIN SIZE PERCENT BY WEIGHT			HYDROMETER		SPECIFIC GRAVITY (G _s)	ORGANIC CONTENT (%)	UNCONFINED COMPRESSIVE STRENGTH (MPa)	POINT LOAD (MPa) (A-Axial B-Block D-Diametral L-Lump)	
			TOP	BOTTOM	TOP	BOTTOM							GRAVEL	SAND	FINES	SILT	CLAY					
GT11-06	4	August 29th, 2011	1.98	2.55	75.67	75.10	SC															
GT11-06	5	August 29th, 2011	2.55	3.27	75.10	74.38	SC															
GT11-06	6	August 29th, 2011	2.60	2.75	75.05	74.90		8.0					24	34	42	40	2					
GT11-06	7	August 29th, 2011	3.00	3.27	74.65	74.38		8.1														
GT11-06	6	August 29th, 2011	3.27	3.95	74.38	73.70	SC															
GT11-06	7	August 29th, 2011	3.95	4.77	73.70	72.88	SC															
GT11-06	8	August 29th, 2011	4.60	4.77	73.05	72.88		9.7				NP	9	41	50	41	9					
GT11-06	8	August 29th, 2011	4.77	5.77	72.88	71.88	SC															
GT11-06	9	August 29th, 2011	5.77	6.86	71.88	70.79	SC															
GT11-06	10	August 29th, 2011	6.86	7.62	70.79	70.03	SC															
GT11-06	11	August 29th, 2011	7.62	8.62	70.03	69.03	SC															
GT11-06	12	August 29th, 2011	8.62	9.62	69.03	68.03	SC															
GT11-06	10	August 29th, 2011	9.47	9.62	68.18	68.03		11.4				NP										
GT11-06	13	August 29th, 2011	9.62	10.62	68.03	67.03	SC															
GT11-06	14	August 29th, 2011	10.62	12.12	67.03	65.53	SC															
GT11-06	11	August 29th, 2011	11.10	11.25	66.55	66.40		26.8	47	23	24	CL										
GT11-06	15	August 29th, 2011	12.12	13.62	65.53	64.03	SC															
GT11-07	1	August 26th to 27th, 2011	0.00	0.60	65.26	64.66	SS															
GT11-07	2	August 26th to 27th, 2011	0.60	1.50	64.66	63.76	SC															
GT11-07	2	August 26th to 27th, 2011	1.50	1.93	63.76	63.33		8.5					44	35	21							
GT11-07	3	August 26th to 27th, 2011	1.50	1.96	63.76	63.30	SC															
GT11-07	4	August 26th to 27th, 2011	1.96	2.43	63.30	62.83	SC															
GT11-07	5	August 26th to 27th, 2011	2.43	3.65	62.83	61.61	SC															
GT11-07	6	August 26th to 27th, 2011	3.65	4.55	61.61	60.71	SC															
GT11-07	7	August 26th to 27th, 2011	4.55	4.70	60.71	60.56	SC															
GT11-07	8	August 26th to 27th, 2011	4.70	6.07	60.56	59.19	SC															
GT11-08	1	September 8th, 2011	0.00	0.50	70.83	70.33	SS															
GT11-08	2	September 8th, 2011	0.50	1.10	70.33	69.73	SS															
GT11-08	3	September 8th, 2011	1.10	1.80	69.73	69.03	SC															
GT11-08	3	September 8th, 2011	1.30	1.50	69.53	69.33	SC	8.9					31	40	29							
GT11-08	4	September 8th, 2011	1.80	2.80	69.03	68.03	SC															
GT11-08	4	September 8th, 2011	2.25	2.45	68.58	68.38	SC	8.5														
GT11-08	5	September 8th, 2011	2.80	3.80	68.03	67.03	SC															
GT11-08	6	September 8th, 2011	3.80	4.84	67.03	65.99	SC															
GT11-08	6	September 8th, 2011	4.67	4.84	66.16	65.99	SC	9.6														
GT11-08	7	September 8th, 2011	4.84	5.84	65.99	64.99	SC															
GT11-08	8	September 8th, 2011	5.84	6.34	64.99	64.49	SC															
GT11-08	9	September 8th, 2011	6.34	6.76	64.49	64.07	SC															
GT11-08	9	September 8th, 2011	6.50	6.65	64.33	64.18	SC	6.4				NP	17	45	38	37	1					
GT11-08	10	September 8th, 2011	6.76	8.26	64.07	62.57	SC															
GT11-08	11	September 8th, 2011	8.26	9.76	62.57	61.07	SC															
GT11-08	12	September 8th, 2011	9.76	11.26	61.07	59.57	SC															
GT11-08	13A	September 8th, 2011	11.26	12.40	59.57	58.43	SC															
GT11-09	1	September 7th, 2011	0.00	0.50	71.05	70.55	SC															
GT11-09	2	September 7th, 2011	0.50	1.10	70.55	69.95	SS															
GT11-09	3	September 7th, 2011	1.10	1.50	69.95	69.55	SC															
GT11-09	3	September 7th, 2011	1.22	1.38	69.83	69.67	SC	5.4														
GT11-09	4	September 7th, 2011	1.50	1.75	69.55	69.30	SC	6.8				NP	48	27	25	21	4					
GT11-09	4	September 7th, 2011	1.50	2.00	69.55	69.05	SC															
GT11-09	5	September 7th, 2011	2.00	2.50	69.05	68.55	SC															
GT11-09	6	September 7th, 2011	2.50	2.90	68.55	68.15	SC															
GT11-09	7	September 7th, 2011	2.90	3.88	68.15	67.17	SC															
GT11-09	8	September 7th, 2011	3.88	5.38	67.17	65.67	SC															
GT11-09	8	September 7th, 2011	5.08	5.25	65.97	65.80	SC	10.8				NP	15	40	45	38	7					
GT11-09	9	September 7th, 2011	5.38	6.88	65.67	64.17	SC															
GT11-09	10	September 7th, 2011	6.88	8.38	64.17	62.67	SC															
GT11-09	10	September 7th, 2011	8.20	8.30	62.85	62.75	SC	12.5														
GT11-09	11	September 7th, 2011	8.38	9.60	62.67	61.45	SC															
GT11-09	12	September 7th, 2011	9.60	11.32	61.45	59.73	SC															
GT11-09	13	September 7th, 2011	11.32	12.88	59.73	58.17	SC															
GT11-09	13	September 7th, 2011	12.55	12.70	58.50	58.35	SC	14.8	16	14	2	ML	23	31	46	36	10					
GT11-09	14	September 7th, 2011	12.88	14.38	58.17	56.67	SC															

File:N:\BUR-GRAPHICS\PROJECTS\2011\1428\11-1428-0011\DRAWING\GINT\ORIGINAL GINT FILES FROM MONTREAL OFFICE\11-1428-0011-1428-0011 TEST HOLES (BURNABY FORMAT).GPJ Output Form:LAB RESULTS SUMMARY (11X17 P - NO RECOV) Template:BC REGION TEMPLATE BETA1.GDT Library:BC REGION LIBRARY\GLB_sschmidt_1103\11

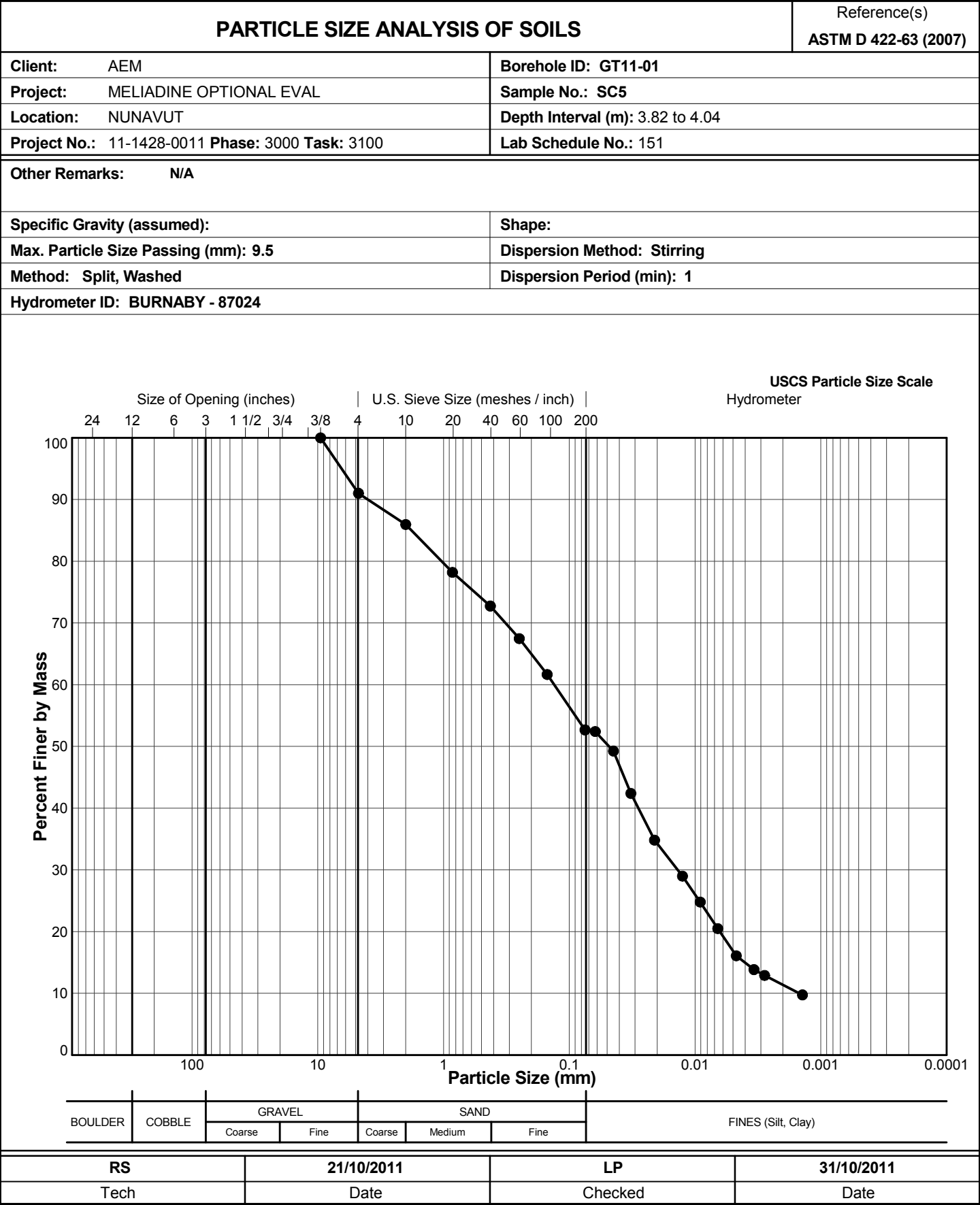
Summary of Laboratory Results																							
Client: Agnico Eagle Mines Ltd.									Project No.: 11-1428-0011 Phase: 3000 Task: 3100									Compiled By: sschmidt					
Project: Meliadine																		Checked:					
Location: NUNAVUT																		Date: 11/3/2011					
SAMPLING DATA								CLASSIFICATION AND INDEX												OTHER TESTS			
TEST HOLE	SAMPLE NUMBER	SAMPLING DATE(S)	DEPTH (m)		ELEVATION ((m),NAD 83 ZONE 15)		SAMPLE TYPE	NATURAL MOISTURE CONTENT (%)	LIQUID LIMIT (LL) (%)	PLASTIC LIMIT (PL) (%)	PLASTICITY INDEX (PI) (%)	CLASSIFICATION	GRAIN SIZE PERCENT BY WEIGHT			HYDROMETER		SPECIFIC GRAVITY (G _s)	ORGANIC CONTENT (%)	UNCONFINED COMPRESSIVE STRENGTH (MPa)	POINT LOAD (MPa) (A-Axial B-Block D-Diametral L-Lump)		
			TOP	BOTTOM	TOP	BOTTOM							GRAVEL	SAND	FINES	SILT	CLAY						
GT11-09	15	September 7th, 2011	14.38	15.88	56.67	55.17	SC																
GT11-09	16	September 7th, 2011	15.88	17.38	55.17	53.67	SC																
GT11-09	17A	September 7th, 2011	17.38	17.64	53.67	53.41	SC																
GT11-10	1	September 2nd, 2011	0.00	0.50	69.23	68.73	SC																
GT11-10	2	September 2nd, 2011	0.50	1.10	68.73	68.13	SS																
GT11-10	3	September 2nd, 2011	1.10	1.60	68.13	67.63	SC																
GT11-10	3	September 2nd, 2011	1.40	1.58	67.83	67.65	SC	25.4															
GT11-10	4	September 2nd, 2011	1.60	2.00	67.63	67.23	SC																
GT11-10	4b	September 2nd, 2011	1.88	1.94	67.35	67.29	SC	17.4															
GT11-10	5	September 2nd, 2011	2.00	2.50	67.23	66.73	SC																
GT11-10	6	September 2nd, 2011	2.50	3.28	66.73	65.95	SC																
GT11-10	6	September 2nd, 2011	3.00	3.20	66.23	66.03	SC	10.5															
GT11-10	7	September 2nd, 2011	3.28	4.68	65.95	64.55	SC																
GT11-10	7	September 2nd, 2011	3.80	4.00	65.43	65.23	SC	6.9				NP	29	25	46	44	2						
GT11-10	8	September 2nd, 2011	4.68	5.83	64.55	63.40	SC																
GT11-10	9	September 2nd, 2011	5.83	6.28	63.40	62.95	SC																
GT11-10	9	September 2nd, 2011	6.15	6.28	63.08	62.95	SC	16.3					7	6	87	81	6						
GT11-11	1	September 12th, 2011	0.00	0.75	68.09	67.34	SC																
GT11-11	2	September 12th, 2011	0.75	0.90	67.34	67.19	SS	12.8															
GT11-11	2	September 12th, 2011	0.75	1.20	67.34	66.89	SS																
GT11-11	3	September 12th, 2011	1.20	1.65	66.89	66.44	SS																
GT11-11	4	September 12th, 2011	1.65	2.25	66.44	65.84	SC																
GT11-11	4	September 12th, 2011	2.09	2.23	66.00	65.86	SC	12.3					43	46	11								
GT11-11	5	September 12th, 2011	2.25	3.75	65.84	64.34	SC																
GT11-11	6	September 12th, 2011	3.75	5.25	64.34	62.84	SC																
GT11-11	7	September 12th, 2011	5.25	6.75	62.84	61.34	SC																
GT11-11	7	September 12th, 2011	6.50	6.75	61.59	61.34	SC	7.8				NP	44	28	28	23	5						
GT11-11	8	September 12th, 2011	6.75	8.25	61.34	59.84	SC																
GT11-11	9A	September 12th, 2011	8.25	8.35	59.84	59.74	SC																
GT11-12	1	September 11th, 2011	0.00	0.45	64.06	63.61	SS																
GT11-12	2	September 11th, 2011	0.45	0.90	63.61	63.16	SS																
GT11-12	3	September 11th, 2011	0.90	1.46	63.16	62.60	SC																
GT11-12	4	September 11th, 2011	1.46	1.64	62.60	62.42	SC																
GT11-12	5	September 11th, 2011	1.64	2.37	62.42	61.69	SC																
GT11-12	5	September 11th, 2011	2.10	2.34	61.96	61.72	SC																
GT11-12	6	September 11th, 2011	2.37	3.87	61.69	60.19	SC																
GT11-12	7	September 11th, 2011	3.87	4.62	60.19	59.44	SC																
GT11-12	8	September 11th, 2011	4.62	5.37	59.44	58.69	SC																
GT11-12	9	September 11th, 2011	5.37	6.21	58.69	57.85	SC																
GT11-12	9	September 11th, 2011	6.05	6.21	58.01	57.85	SC																
GT11-12	10	September 11th, 2011	6.21	6.87	57.85	57.19	SC																
GT11-12	11	September 11th, 2011	6.87	8.13	57.19	55.93	SC																
GT11-12	12	September 11th, 2011	8.13	9.12	55.93	54.94	SC																
GT11-12	13	September 11th, 2011	9.12	9.87	54.94	54.19	SC																
GT11-12	14	September 11th, 2011	9.87	11.37	54.19	52.69	SC																
GT11-12	15	September 11th, 2011	11.37	11.73	52.69	52.33	SC																
GT11-13	1	September 9th, 2011	0.00	0.45	61.97	61.52	SS																
GT11-13	2	September 9th, 2011	0.45	0.90	61.52	61.07	SS																
GT11-13	2	September 9th, 2011	0.68	0.90	61.29	61.07	SS	11.5				NP	30	55	15	10	5						
GT11-13	3	September 9th, 2011	0.90	1.65	61.07	60.32	SC																
GT11-13	4A	September 9th, 2011	1.65	2.10	60.32	59.87	SC																
GT11-13	4	September 9th, 2011	1.85	2.10	60.12	59.87	SC	8.7				NP	20	39	41	40	1						
GT11-14	1	September 13th, 2011	0.00	1.00	57.30	56.30	SC																
GT11-14	2	September 13th, 2011	1.00	1.75	56.30	55.55	SC																
GT11-14	3	September 13th, 2011	1.75	2.50	55.55	54.80	SC																
GT11-14	3	September 13th, 2011	2.01	2.17	55.29	55.13	SC	8.2				NP	28	37	35	35	0						
GT11-14	4	September 13th, 2011	2.50	4.00	54.80	53.30	SC																
GT11-14	5	September 13th, 2011	4.00	5.30	53.30	52.00	SC																
GT11-14	5	September 13th, 2011	4.82	4.95	52.48	52.35	SC	8.8															
GT11-14	6	September 13th, 2011	5.30	5.85	52.00	51.45	SC																
GT11-15	1	September 15th, 2011	0.00	0.81	67.81	67.00	SC																
GT11-15	2	September 15th, 2011	0.81	1.19	67.00	66.62	SS																

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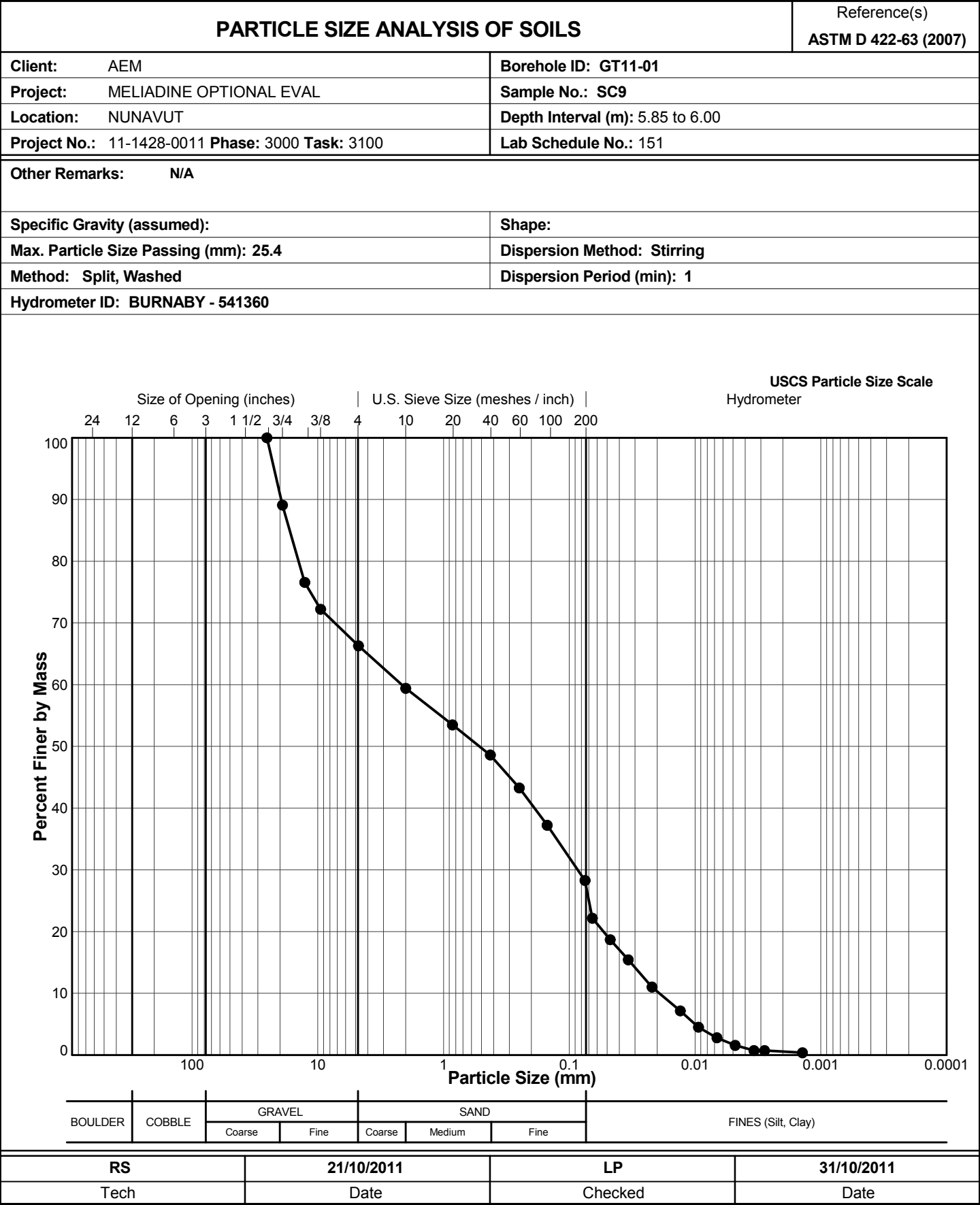
Summary of Laboratory Results																							
Client: Agnico Eagle Mines Ltd.									Project No.: 11-1428-0011 Phase: 3000 Task: 3100									Compiled By: sschmidt					
Project: Meliadine																		Checked:					
Location: NUNAVUT																		Date: 11/3/2011					
SAMPLING DATA								CLASSIFICATION AND INDEX												OTHER TESTS			
TEST HOLE	SAMPLE NUMBER	SAMPLING DATE(S)	DEPTH (m)		ELEVATION ((m),NAD 83 ZONE 15)		SAMPLE TYPE	NATURAL MOISTURE CONTENT (%)	LIQUID LIMIT (LL) (%)	PLASTIC LIMIT (PL) (%)	PLASTICITY INDEX (PI) (%)	CLASSIFICATION	GRAIN SIZE PERCENT BY WEIGHT			HYDROMETER		SPECIFIC GRAVITY (G _s)	ORGANIC CONTENT (%)	UNCONFINED COMPRESSIVE STRENGTH (MPa)	POINT LOAD (MPa) (A-Axial B-Block D-Diametral L-Lump)		
			TOP	BOTTOM	TOP	BOTTOM							GRAVEL	SAND	FINES	SILT	CLAY						
GT11-15	3	September 15th, 2011	1.19	1.56	66.62	66.25	SC																
GT11-15	4	September 15th, 2011	1.56	2.31	66.25	65.50	SC																
GT11-15	4	September 15th, 2011	1.85	2.01	65.96	65.80	SC	6.0						34	39	27							
GT11-15	5	September 15th, 2011	2.31	3.81	65.50	64.00	SC																
GT11-15	6	September 15th, 2011	3.81	5.31	64.00	62.50	SC																
GT11-15	7	September 15th, 2011	5.31	6.81	62.50	61.00	SC																
GT11-15	8	September 15th, 2011	6.81	8.31	61.00	59.50	SC																
GT11-15	8	September 15th, 2011	8.12	8.31	59.69	59.50	SC	7.6				NP	19	38	43	35	8						
GT11-15	9	September 15th, 2011	8.31	9.81	59.50	58.00	SC																
GT11-15	10	September 15th, 2011	9.81	11.31	58.00	56.50	SC																
GT11-15	11	September 15th, 2011	11.31	12.81	56.50	55.00	SC																
GT11-15	12	September 15th, 2011	12.81	14.31	55.00	53.50	SC																
GT11-15	12	September 15th, 2011	13.50	13.70	54.31	54.11	SC	7.8				NP	41	32	27	22	5						
GT11-15	13	September 15th, 2011	14.31	15.81	53.50	52.00	SC																
GT11-15	14	September 15th, 2011	15.81	17.01	52.00	50.80	SC																
GT11-16	1	September 16th, 2011	0.00	0.83	65.96	65.13	SC																
GT11-16	2	September 16th, 2011	0.83	1.28	65.13	64.68	SS																
GT11-16	3	September 16th, 2011	1.28	1.43	64.68	64.53	SC																
GT11-16	4	September 16th, 2011	1.43	1.80	64.53	64.16	SS																
GT11-16	5	September 16th, 2011	1.80	2.33	64.16	63.63	SC	5.3				NP	65	20	15	12	3						
GT11-16	6	September 16th, 2011	2.33	3.08	63.63	62.88	SC																
GT11-16	7	September 16th, 2011	3.08	3.24	62.88	62.72	SC																
GT11-16	8	September 16th, 2011	3.24	3.83	62.72	62.13	SC																
GT11-16	9	September 16th, 2011	3.83	5.33	62.13	60.63	SC																
GT11-16	10	September 16th, 2011	5.33	6.83	60.63	59.13	SC																
GT11-16	10	September 16th, 2011	6.33	6.49	59.63	59.47	SC	7.1				NP	24	33	43	34	9						
GT11-16	11	September 16th, 2011	6.83	8.33	59.13	57.63	SC																
GT11-16	12	September 16th, 2011	8.33	9.83	57.63	56.13	SC																
GT11-16	13	September 16th, 2011	9.83	11.33	56.13	54.63	SC																
GT11-16	13	September 16th, 2011	10.86	10.98	55.10	54.98	SC	5.1	28	17	11	CL	2	7	91	56	35						
GT11-16	14	September 16th, 2011	11.33	12.83	54.63	53.13	SC																
GT11-16	15A	September 16th, 2011	12.83	13.10	53.13	52.86	SC																
GT11-17	1	September 17th, 2011	0.00	0.83	60.72	59.89	SC																
GT11-17	2	September 17th, 2011	0.83	1.28	59.89	59.44	SS																
GT11-17	1	September 17th, 2011	1.00	2.00	59.72	58.72																	
GT11-17	3	September 17th, 2011	1.28	2.33	59.44	58.39	SC																
GT11-17	3	September 17th, 2011	1.92	2.06	58.80	58.66	SC	10.9						40	37	23							
GT11-17	4	September 17th, 2011	2.33	3.83	58.39	56.89	SC																
GT11-17	5	September 17th, 2011	3.83	5.33	56.89	55.39	SC																
GT11-17	5	September 17th, 2011	4.79	4.97	55.93	55.75	SC	9.4				NP	22	29	49	41	8						
GT11-17	6	September 17th, 2011	5.33	6.83	55.39	53.89	SC																

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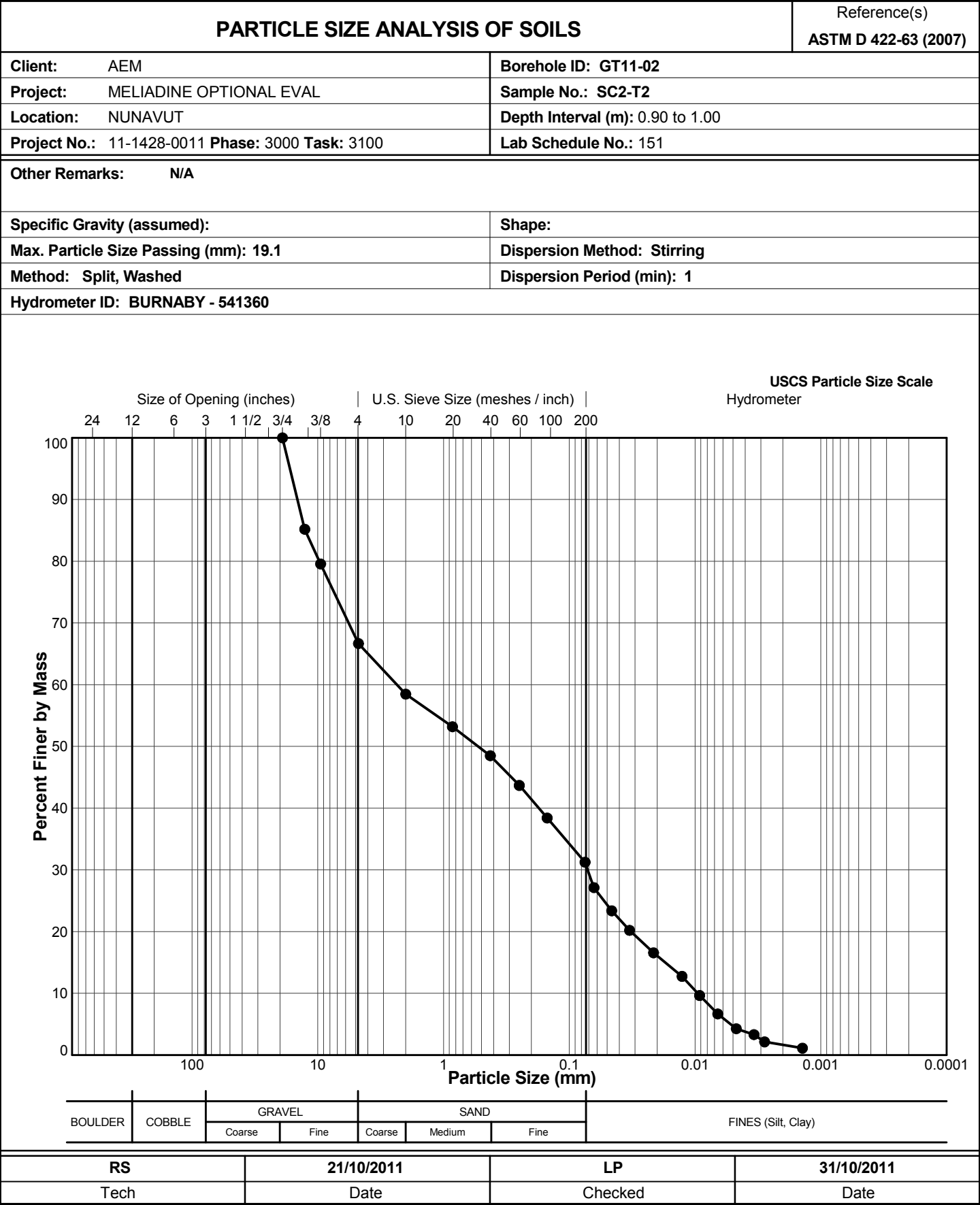
File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011\DRAWING\GINT\11-1428-0011 BURNABY LAB RESULTS.GPJ Output Form: LAB_PARTICLE SIZE (SINGLE) Template:BC REGION TEMPLATE BETA 1.GDT Library:BC REGION LIBRARY.GLB Skm 31/10/11



File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011\DRAWING\GINT\11-1428-0011 BURNABY LAB RESULTS.GPJ Output Form: LAB_PARTICLE SIZE (SINGLE) Template:BC REGION TEMPLATE BETA 1.GDT Library:BC REGION LIBRARY.GLB Skm 31/10/11



File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011\DRAWING\GINT\11-1428-0011 BURNABY LAB RESULTS.GPJ Output Form: LAB_PARTICLE SIZE (SINGLE) Template:BC REGION TEMPLATE BETA 1.GDT Library:BC REGION LIBRARY.GLB Skm 31/10/11



Reference(s)
ASTM D 422-63 (2007)

Borehole ID: GT11-02

Sample No.: SC6-T2

Depth Interval (m): 4.86 to 5.00

Lab Schedule No.: 151

Shape:

Dispersion Method: Stirring

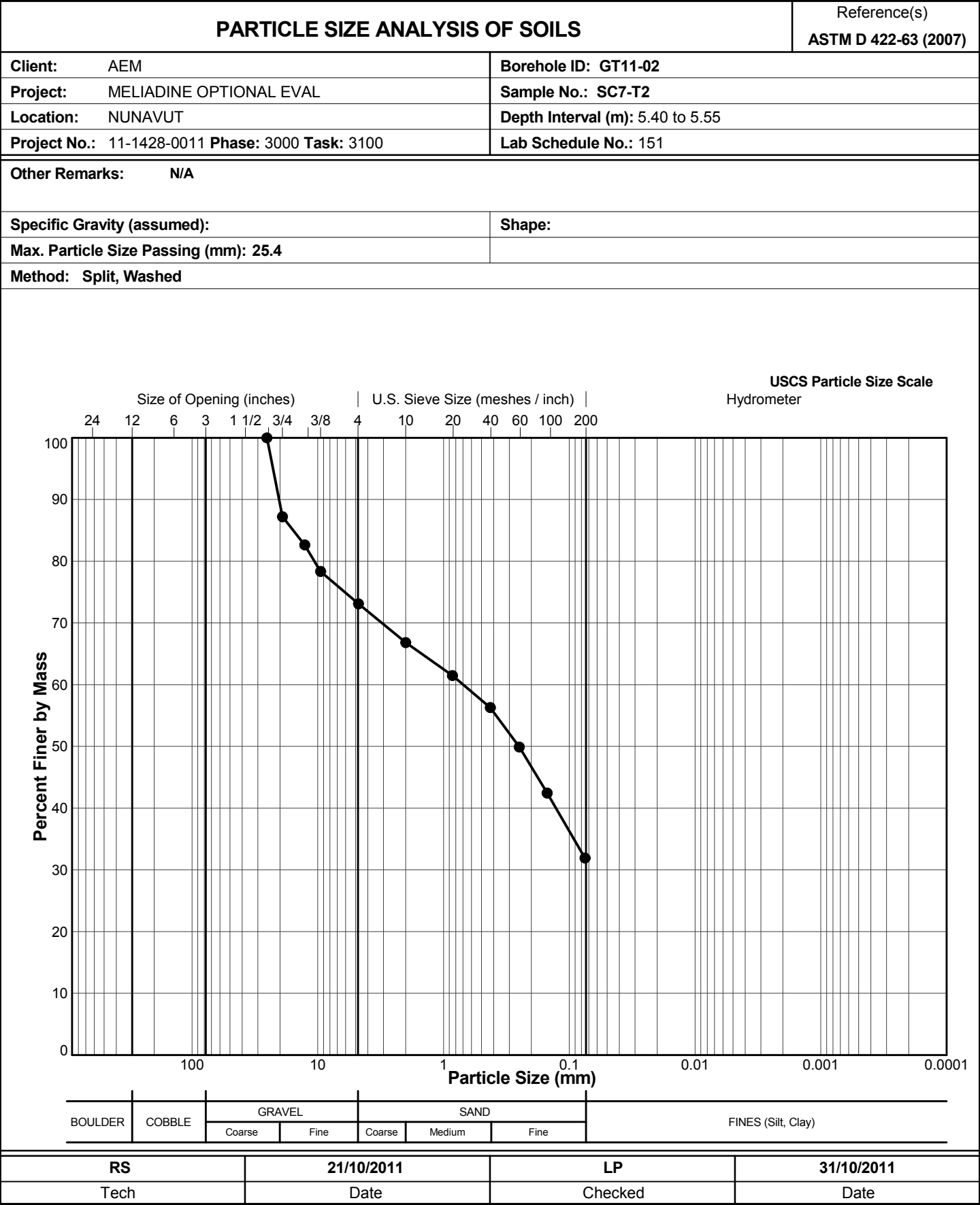
Dispersion Period (min): 1

BOULDER	COBBLE	GRAVEL		SAND			FINES (Silt, Clay)
		Coarse	Fine	Coarse	Medium	Fine	

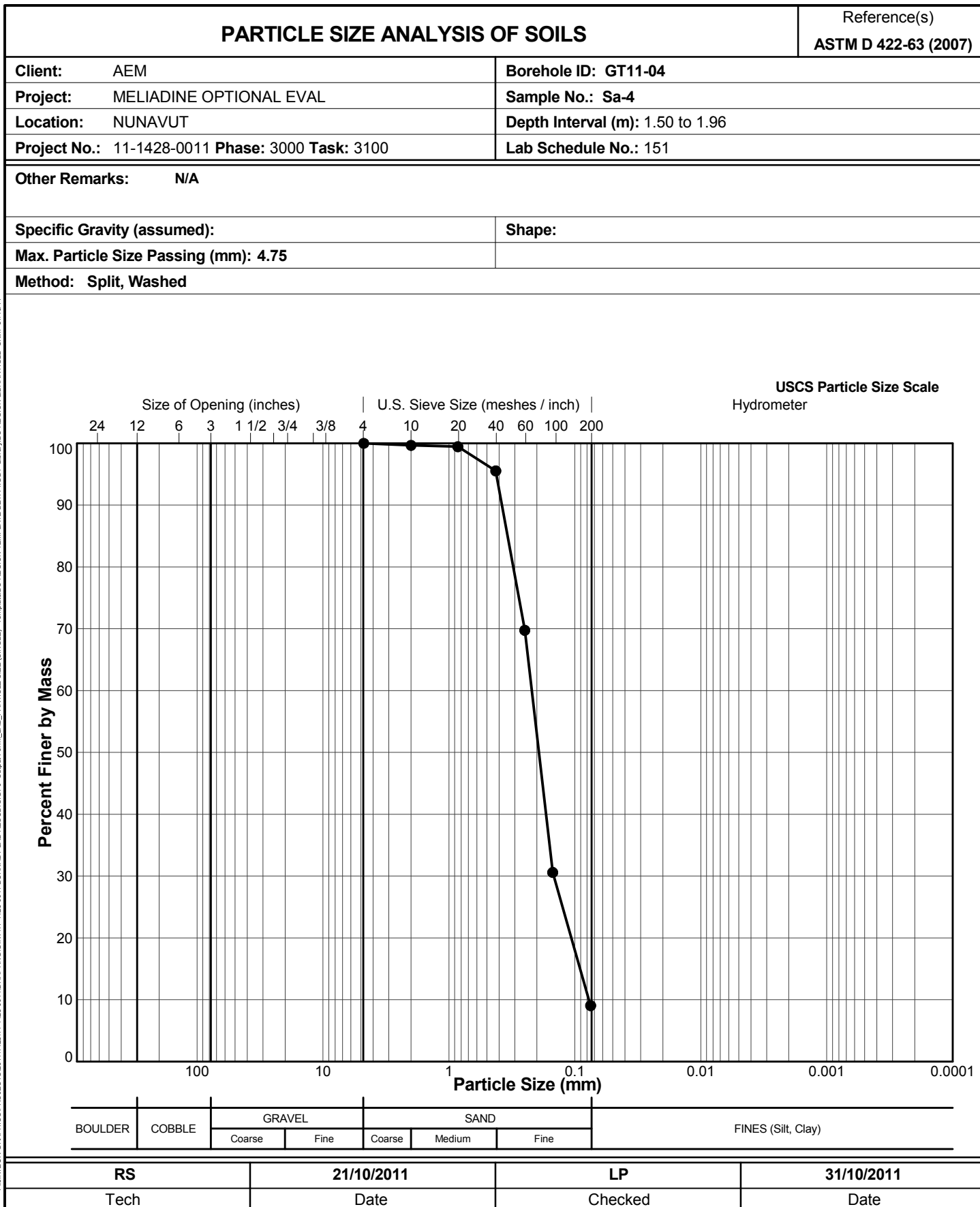
31/10/2011

Date _____

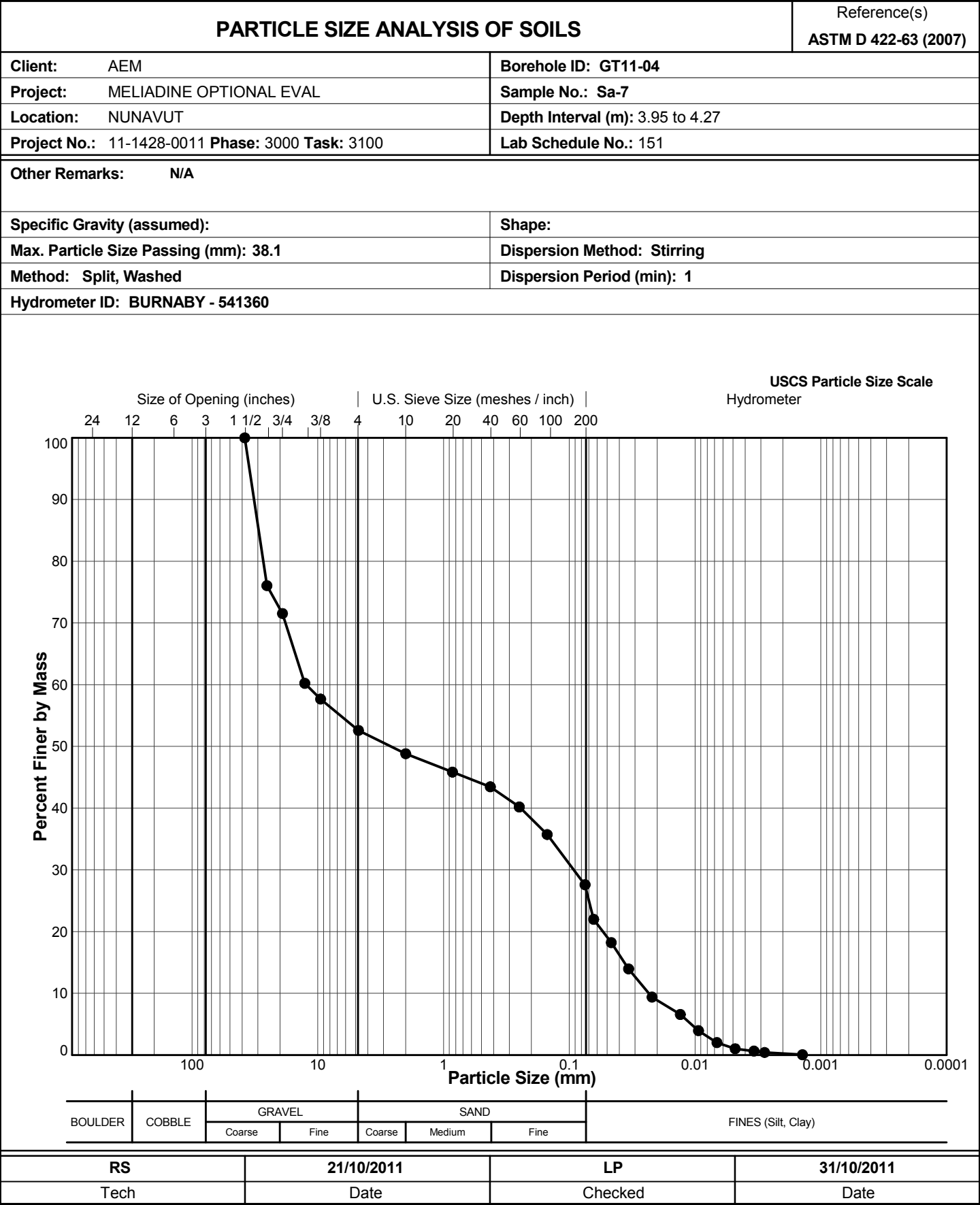
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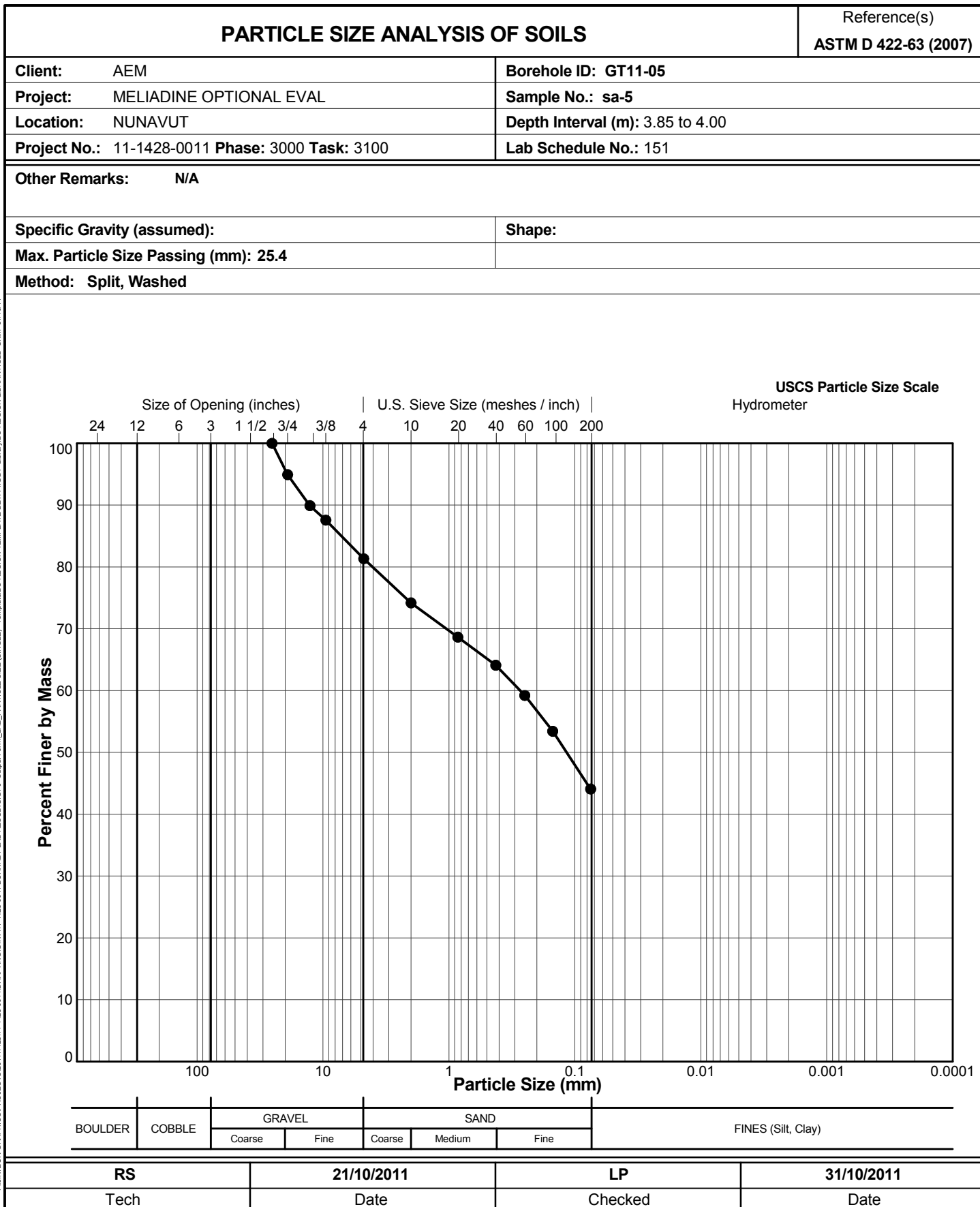
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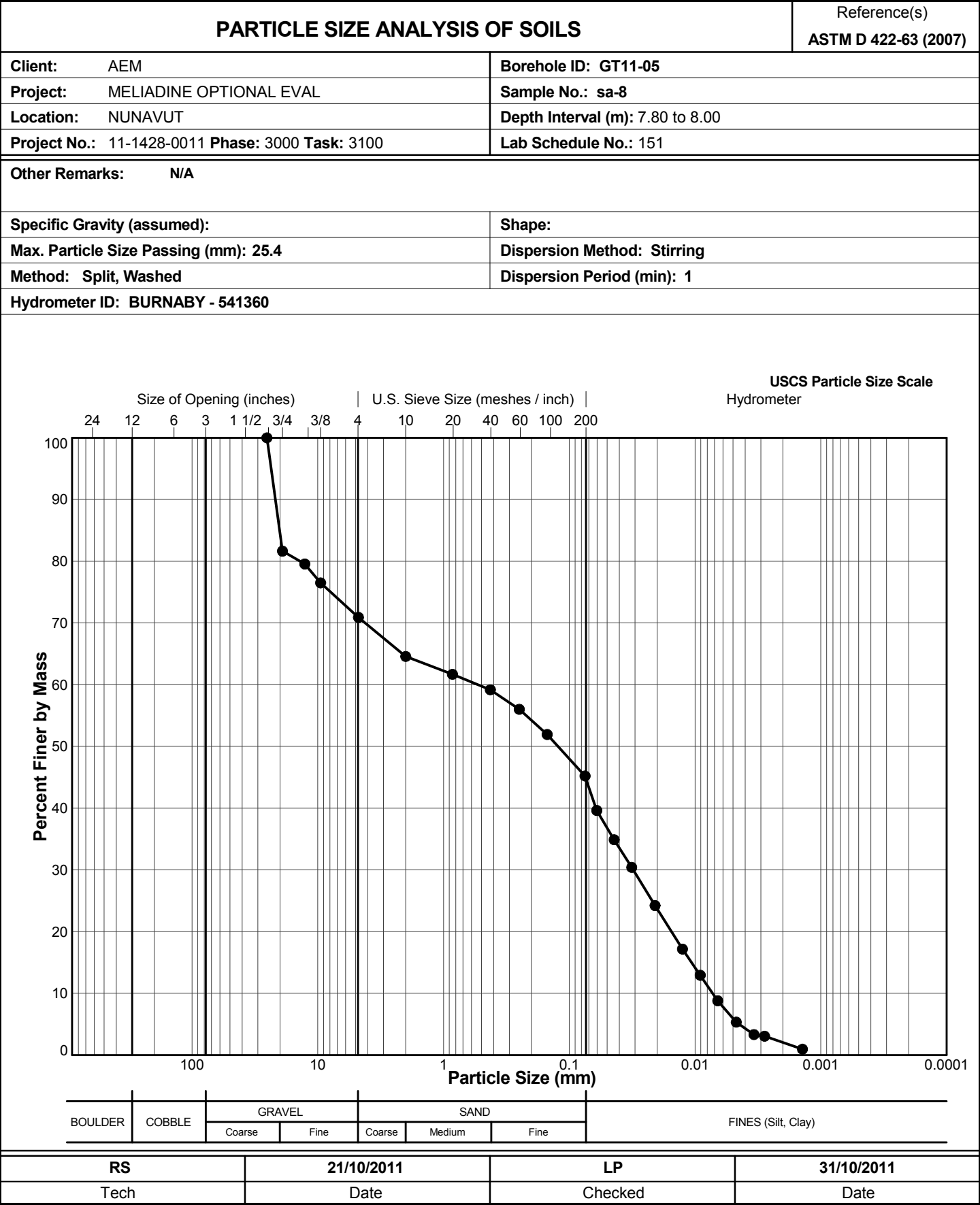
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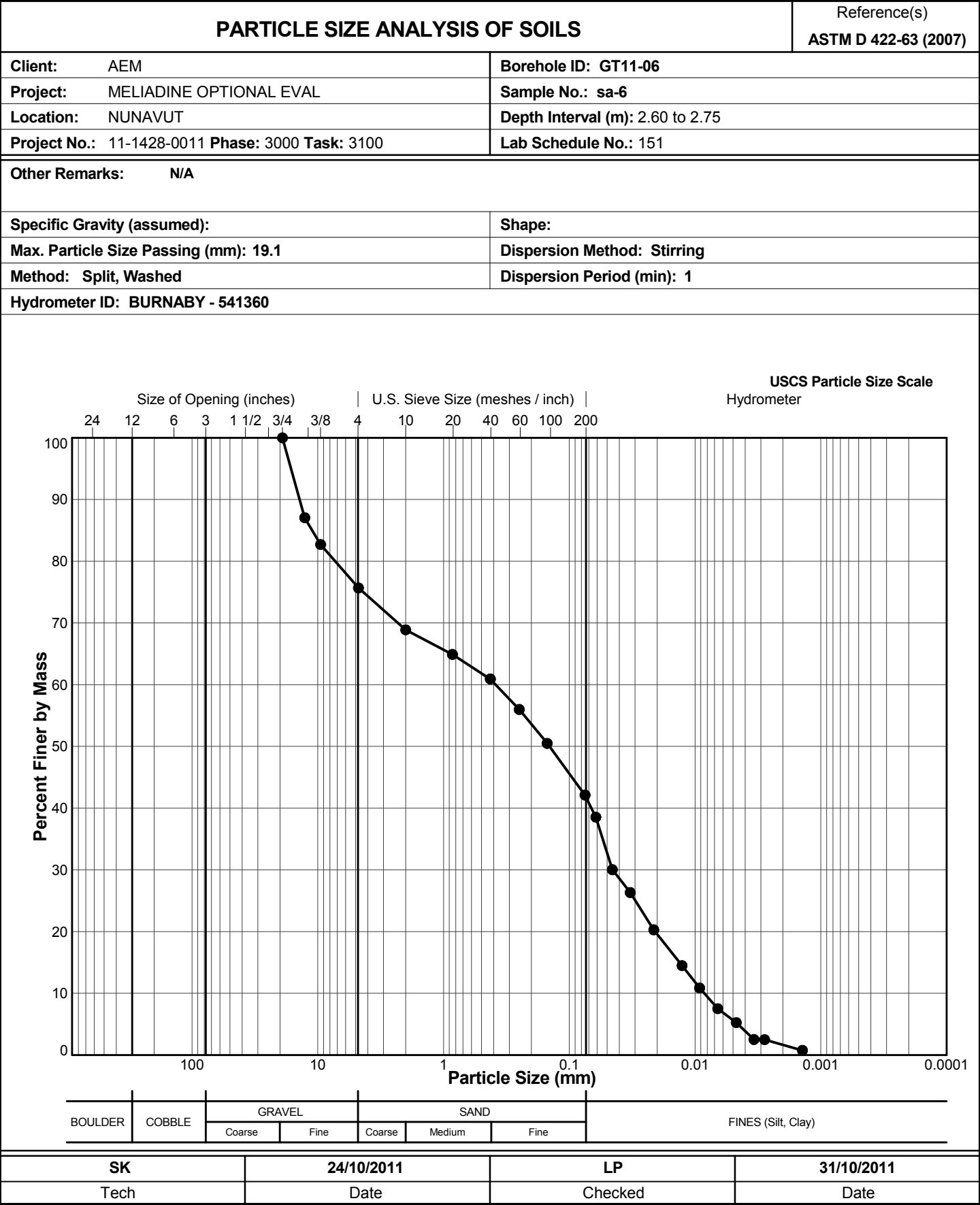
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PARTICLE SIZE ANALYSIS OF SOILS				Reference(s)6 ASTM D 422-63 (2007)																																					
Client: AEM			Borehole ID: GT11-05																																						
Project: MELIADINE OPTIONAL EVAL			Sample No.: sa-7																																						
Location: NUNAVUT			Depth Interval (m): 6.80 to 7.00																																						
Project No.: 11-1428-0011 Phase: 3000 Task: 3100			Lab Schedule No.: 151																																						
Other Remarks: N/A																																									
Specific Gravity (assumed):				Shape:																																					
Max. Particle Size Passing (mm): 25.4																																									
Method: Split, Washed																																									
Size of Opening (inches) 24 12 6 3 1 1/2 3/4 3/8 4 U.S. Sieve Size (meshes / inch) 10 20 40 60 100 200 USCS Particle Size Scale Hydrometer <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="width: 15%;">BOULDER</th> <th colspan="2" style="width: 15%;">COBBLE</th> <th colspan="2" style="width: 20%;">GRAVEL</th> <th colspan="3" style="width: 25%;">SAND</th> <th colspan="3" style="width: 22%;">FINES (Silt, Clay)</th> </tr> <tr> <th colspan="2"></th> <th colspan="2"></th> <th style="width: 10%;">Coarse</th> <th style="width: 10%;">Fine</th> <th style="width: 10%;">Coarse</th> <th style="width: 10%;">Medium</th> <th style="width: 5%;">Fine</th> <th colspan="3"></th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> </tbody> </table>						BOULDER		COBBLE		GRAVEL		SAND			FINES (Silt, Clay)							Coarse	Fine	Coarse	Medium	Fine															
BOULDER		COBBLE		GRAVEL		SAND			FINES (Silt, Clay)																																
				Coarse	Fine	Coarse	Medium	Fine																																	
RS		21/10/2011		LP		31/10/2011																																			
Tech		Date		Checked		Date																																			

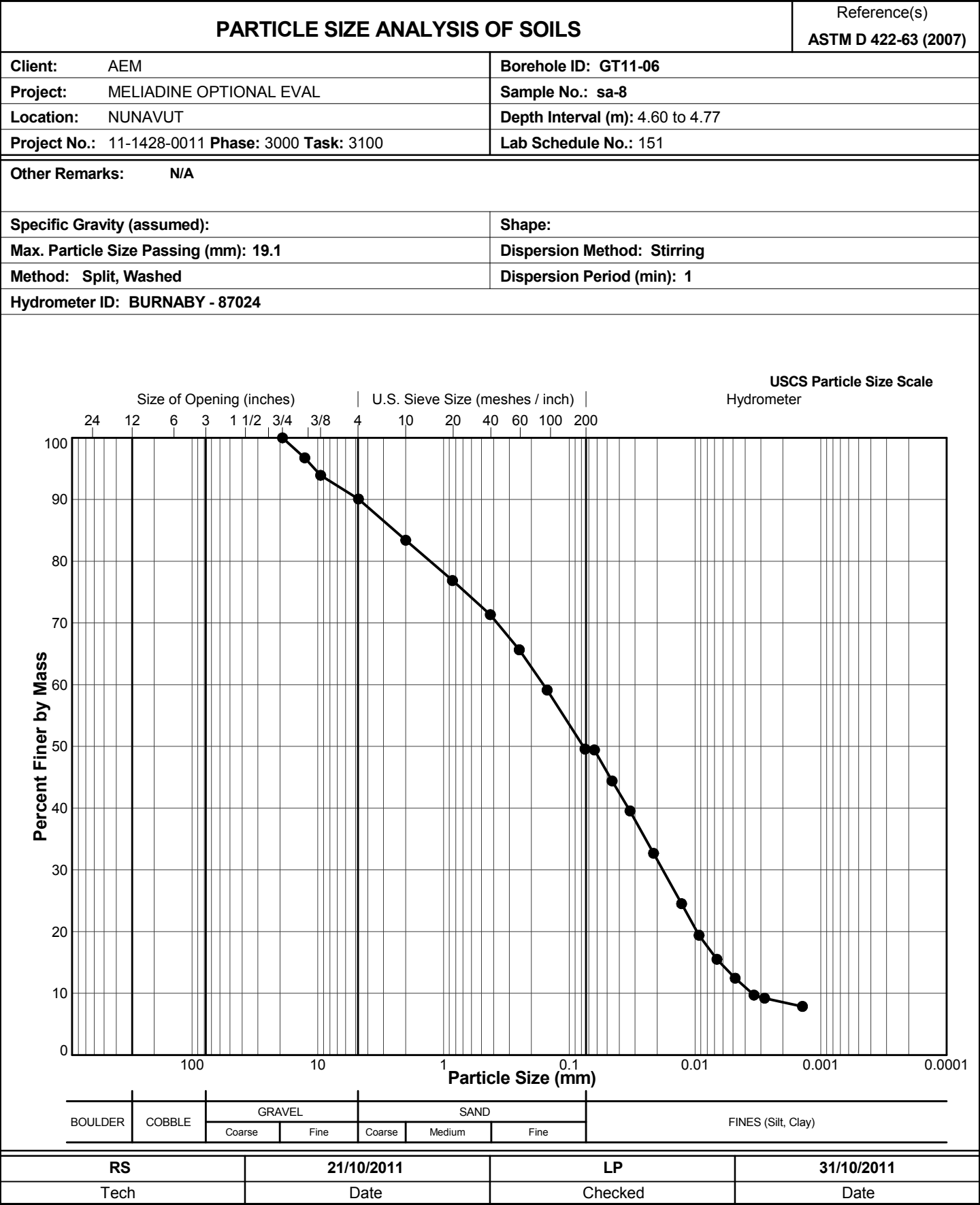
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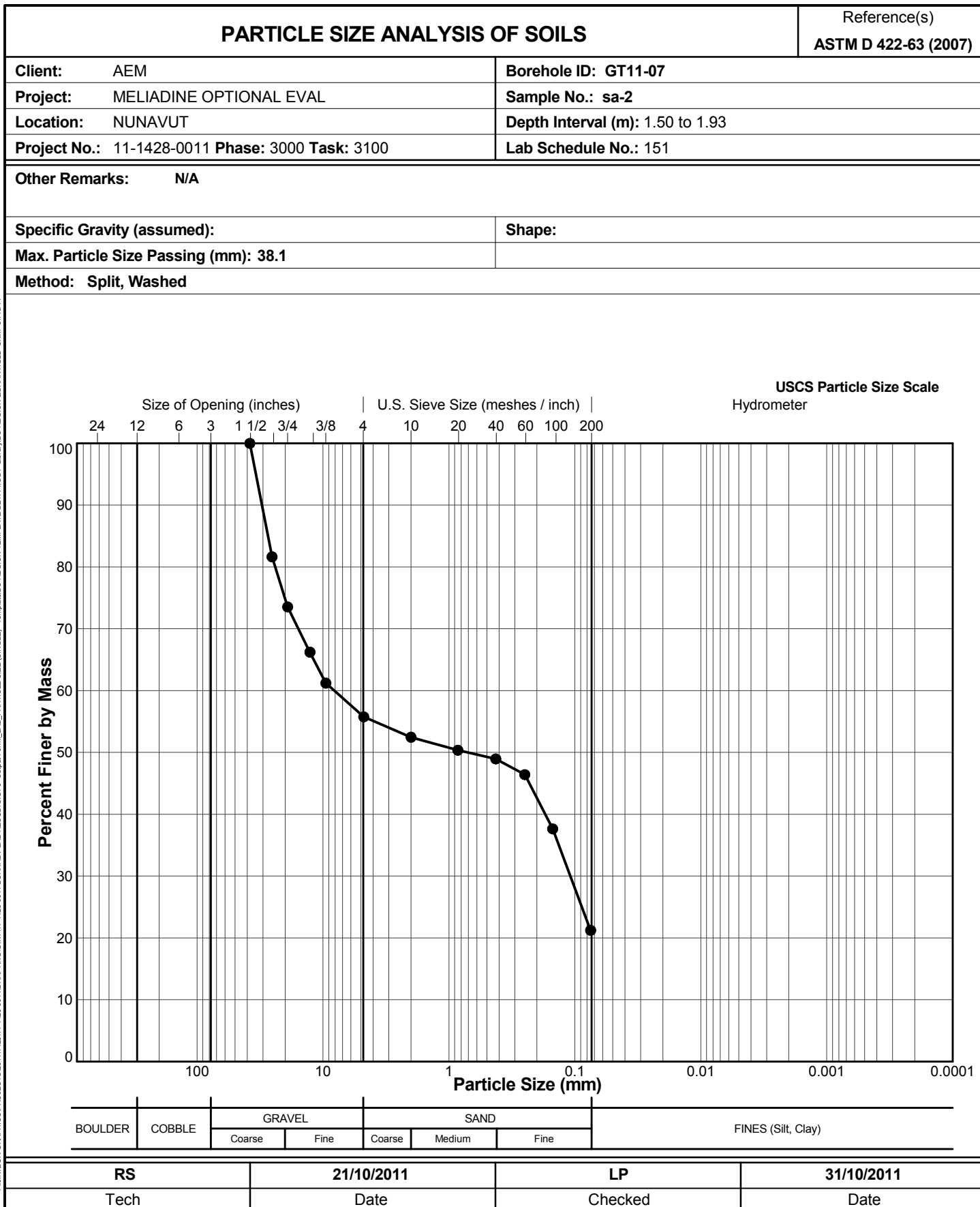
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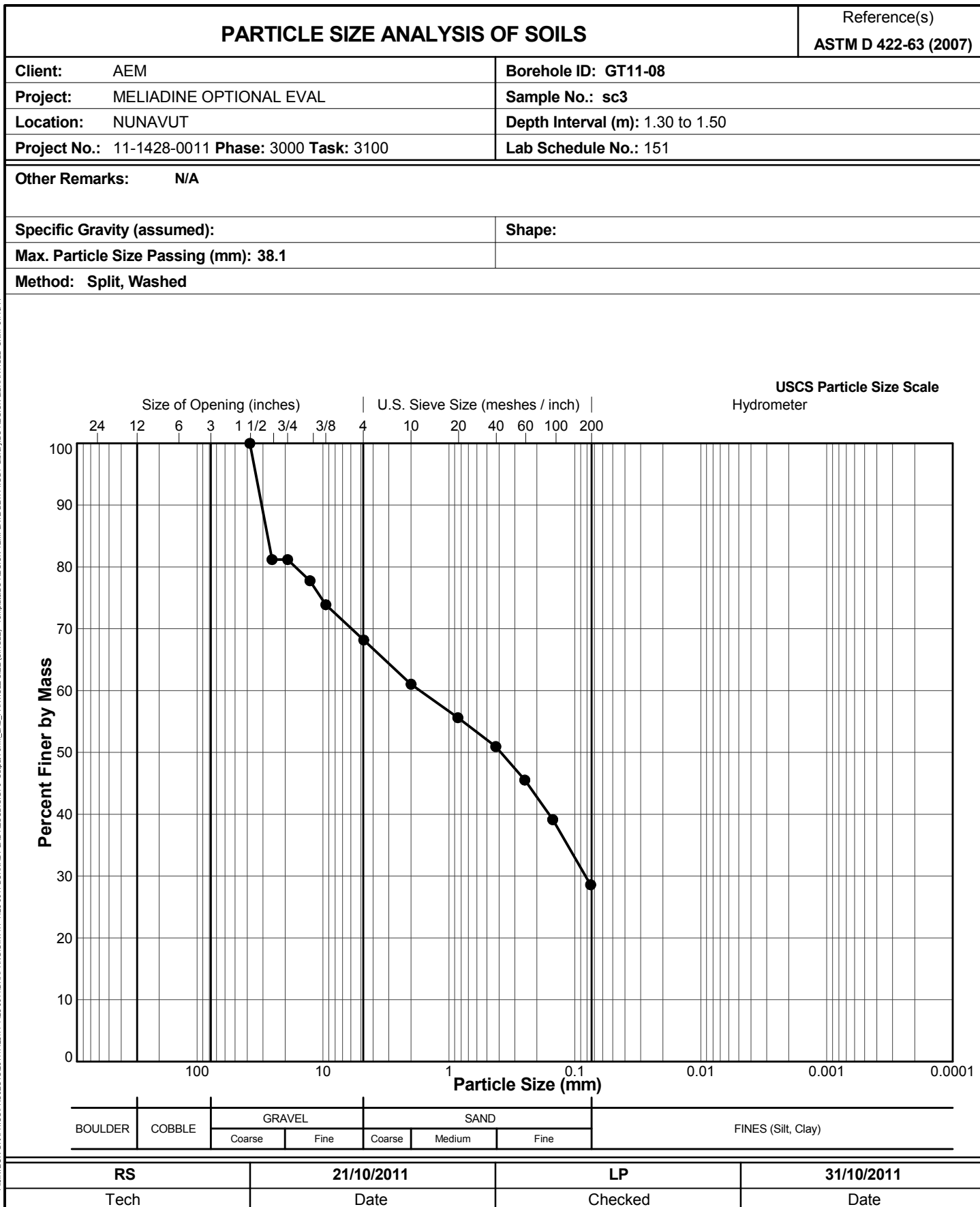
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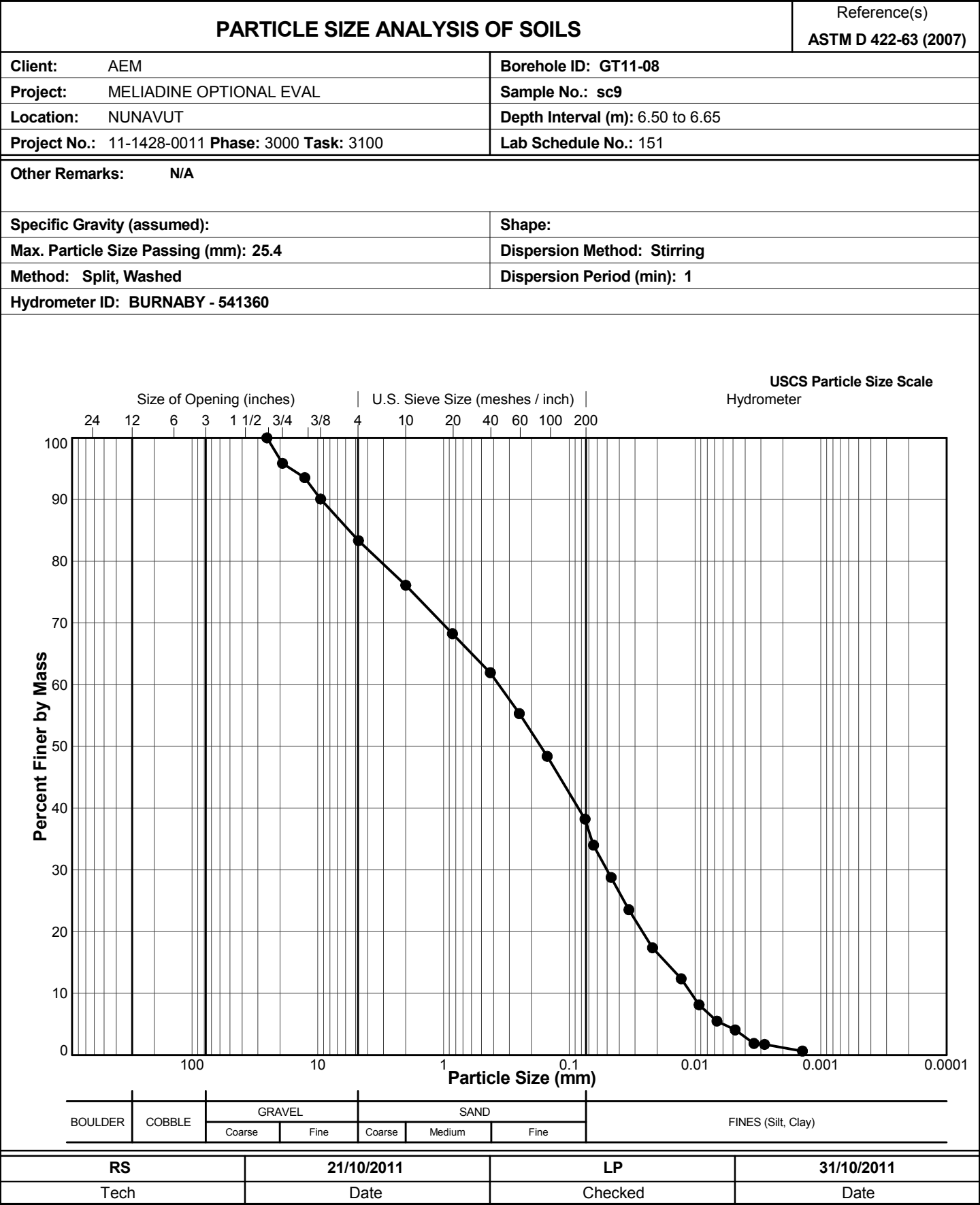
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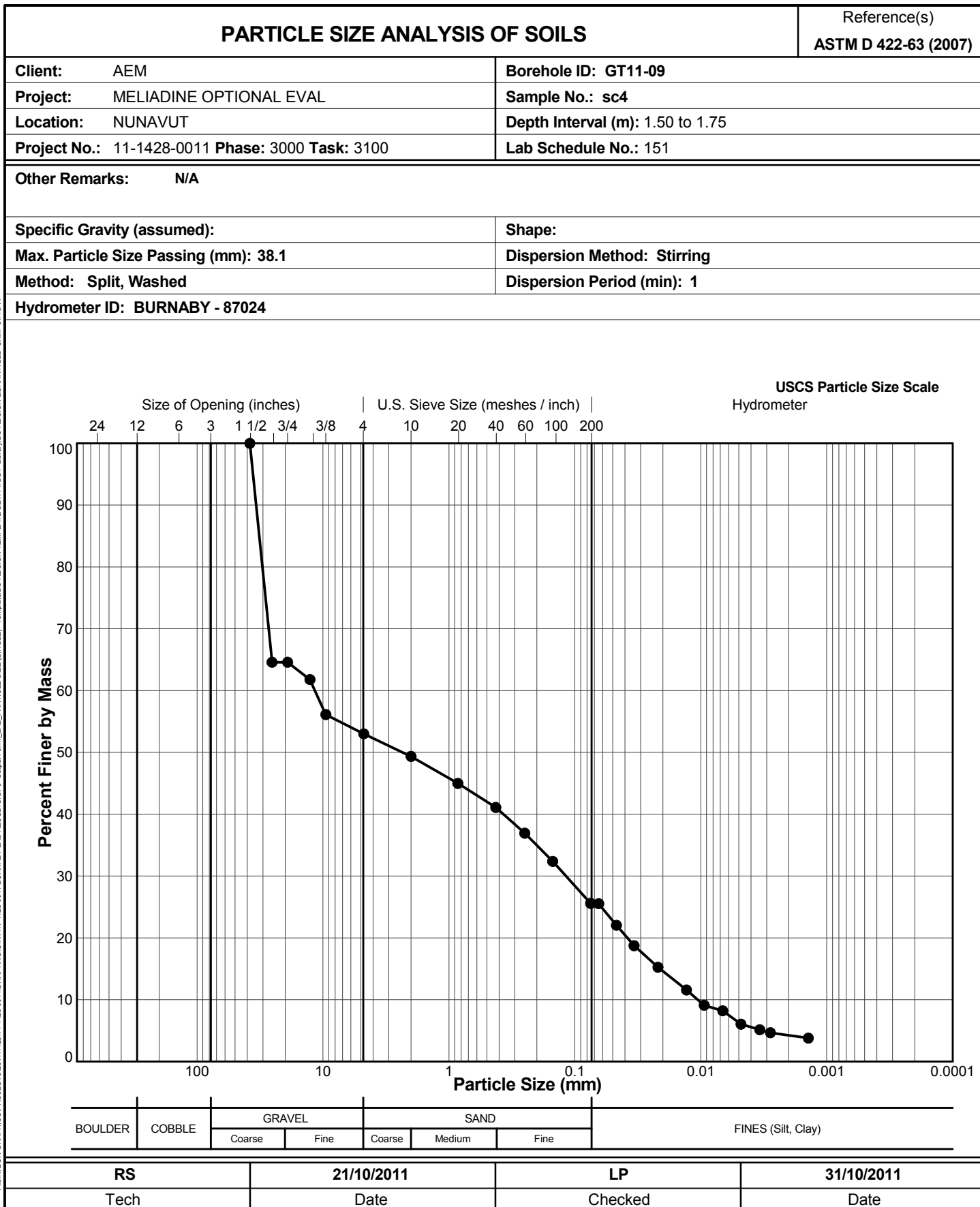
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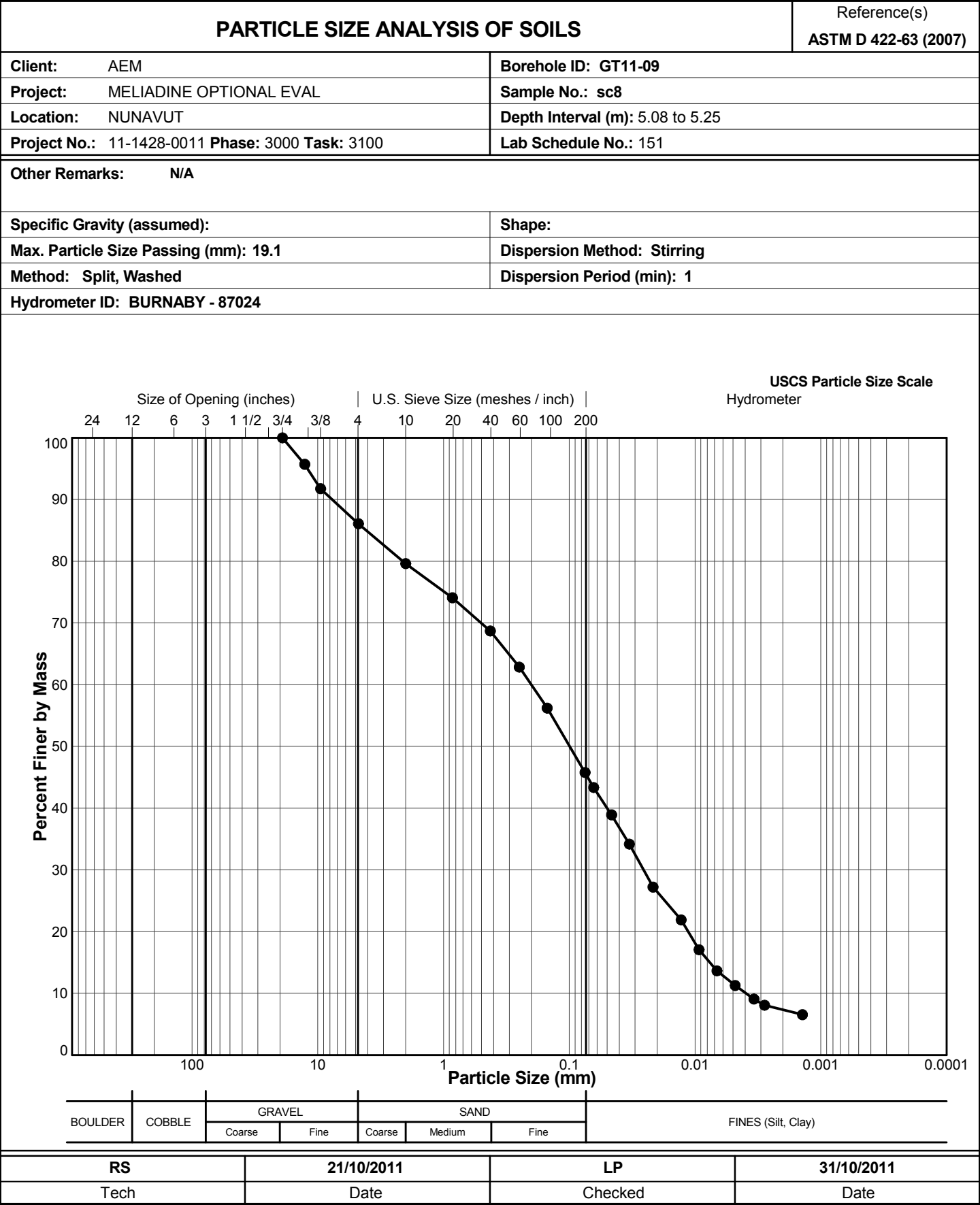
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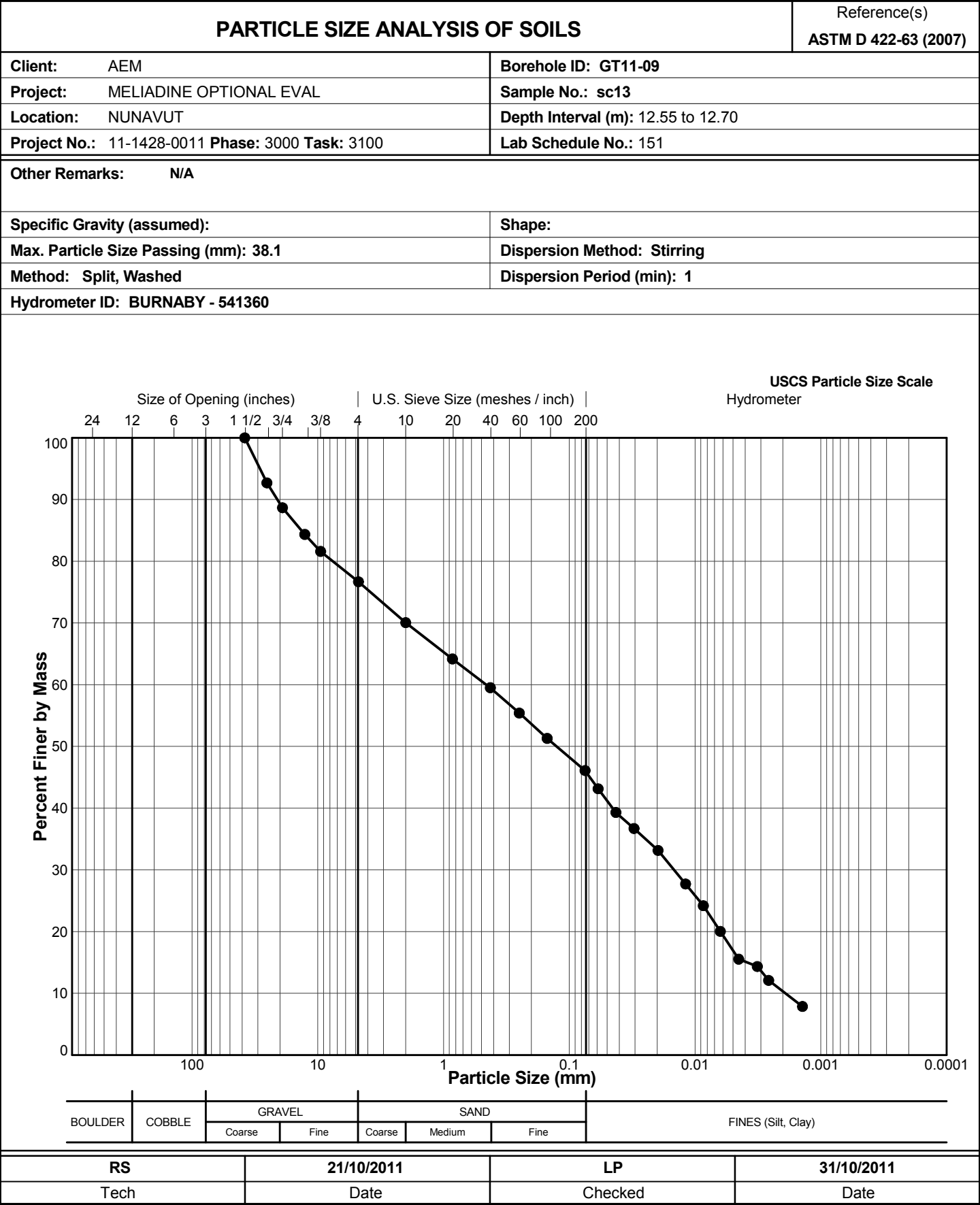
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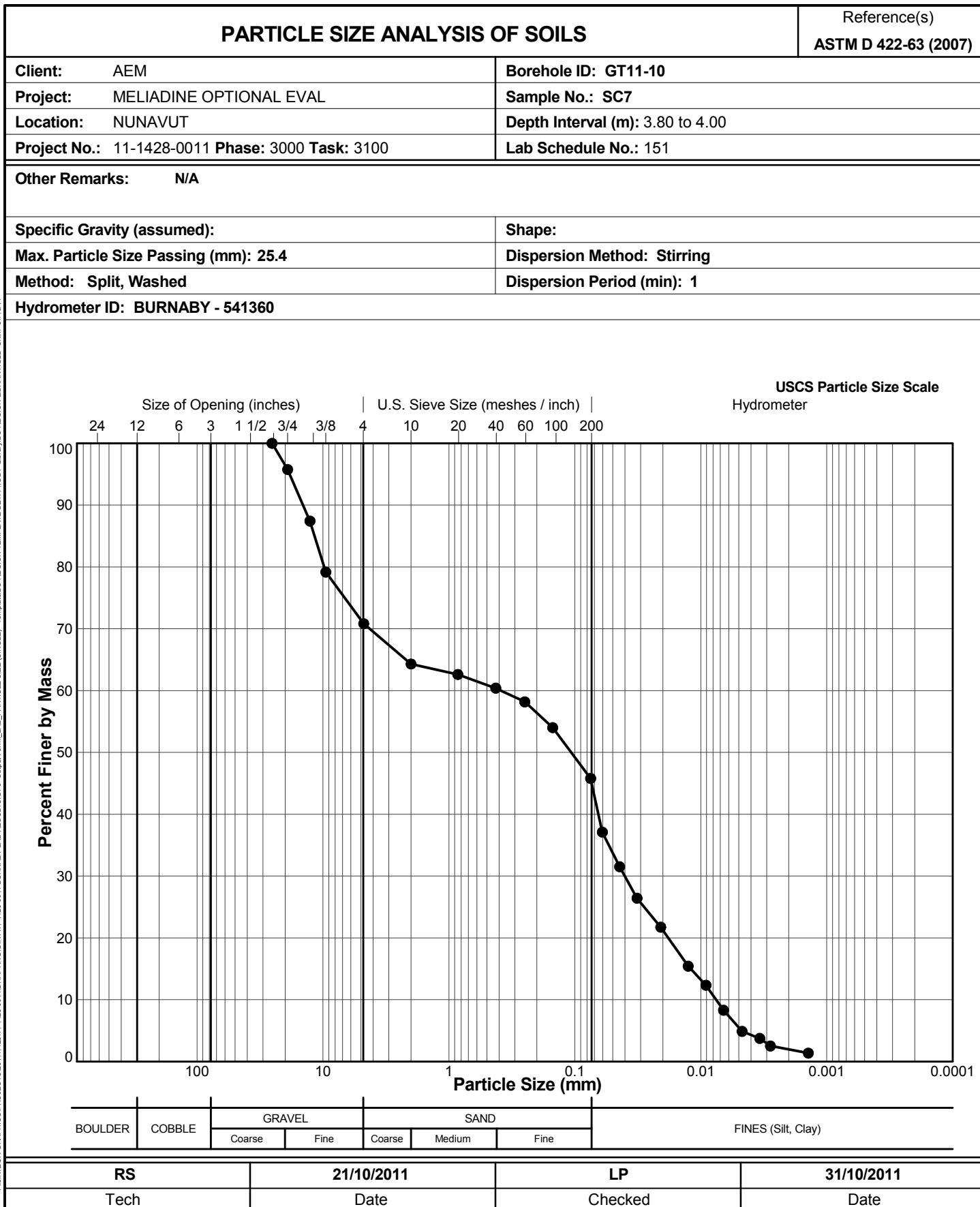
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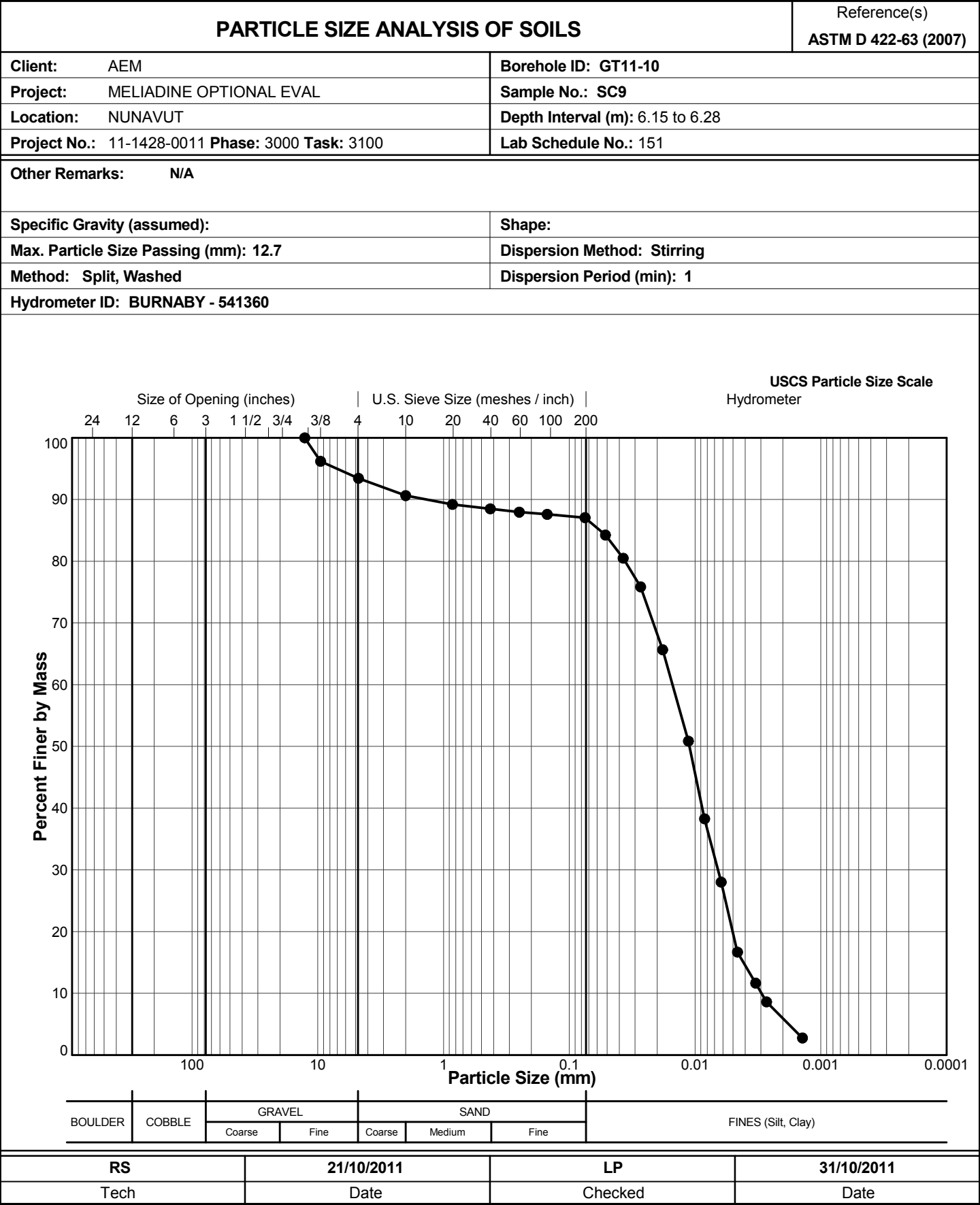
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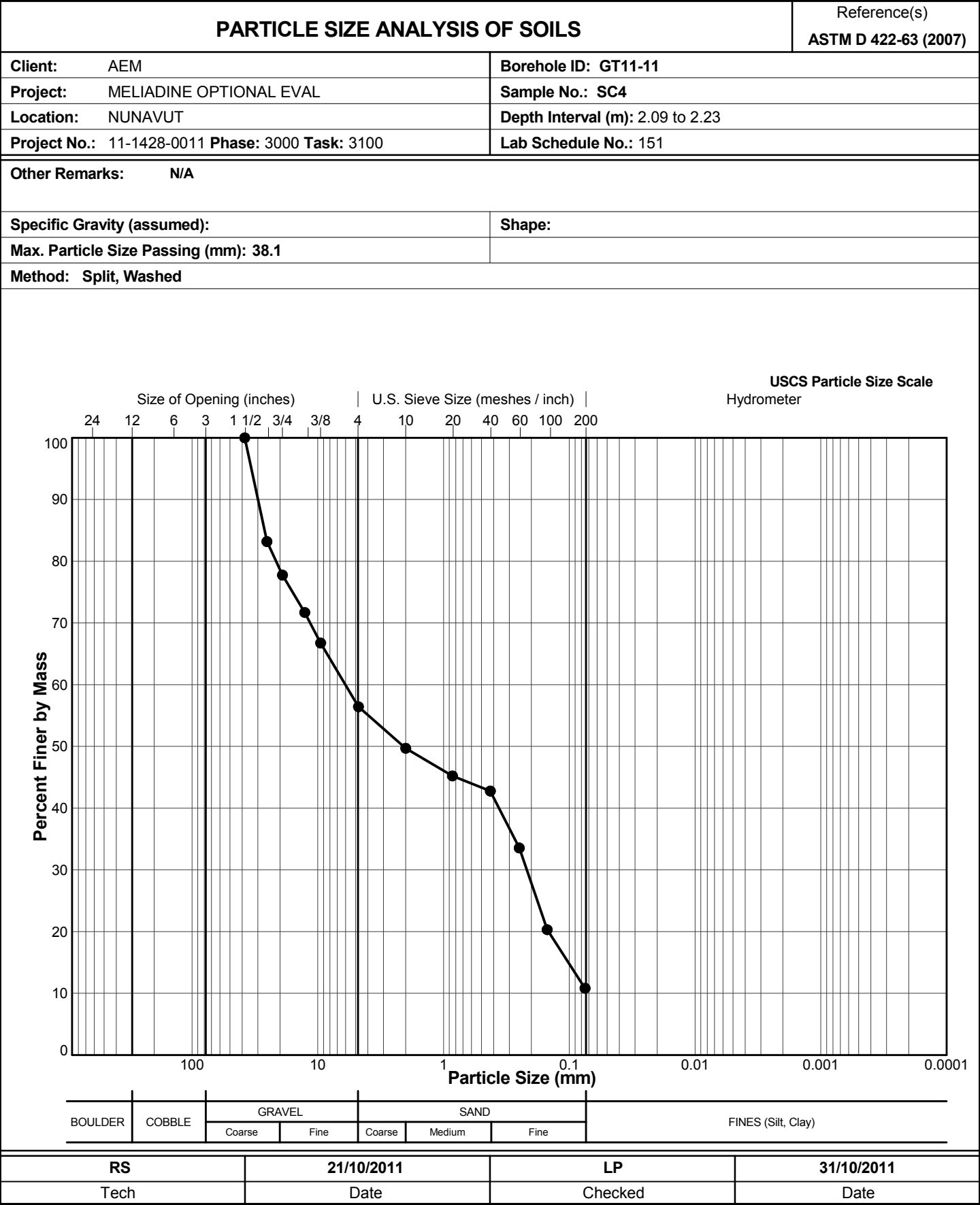
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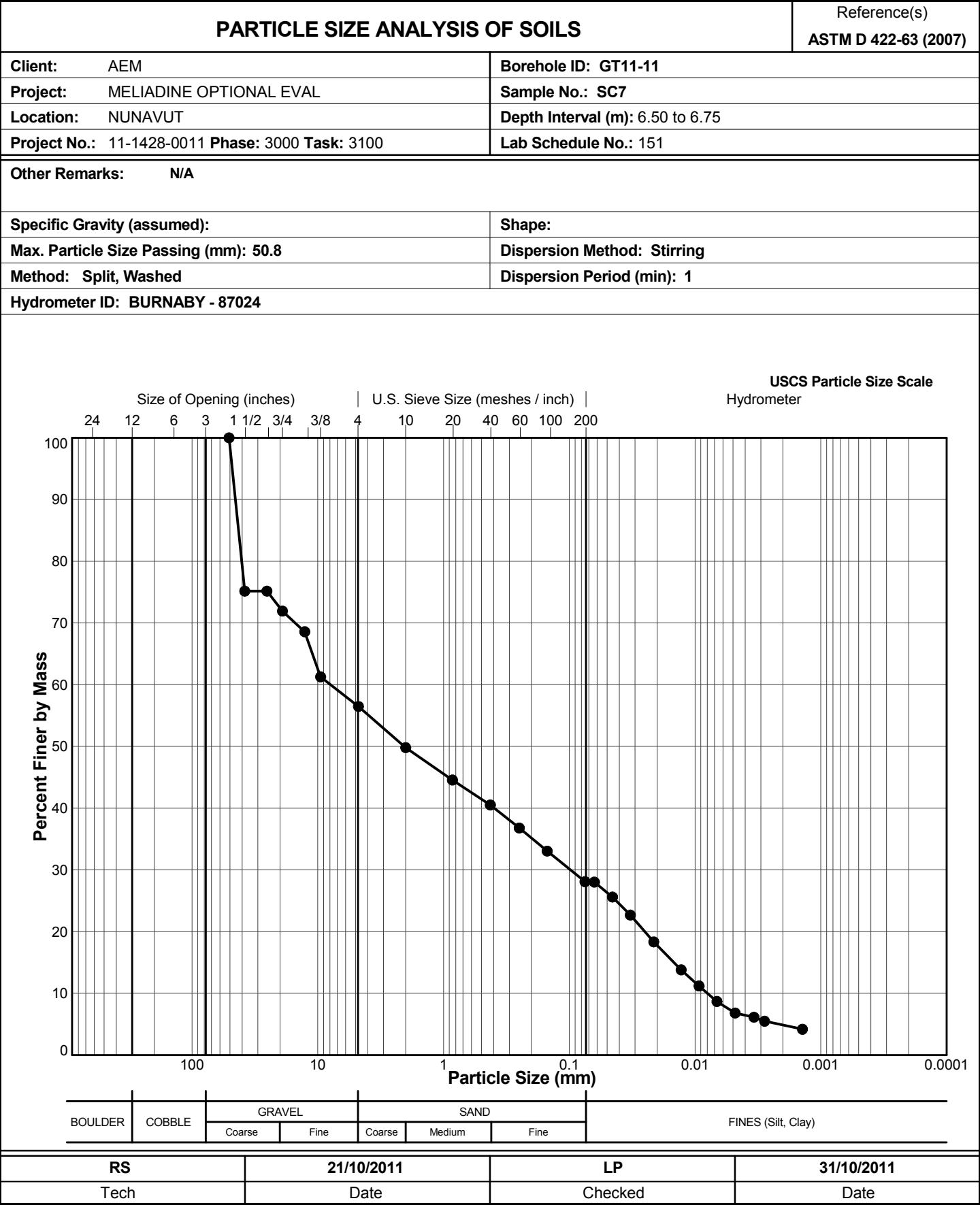
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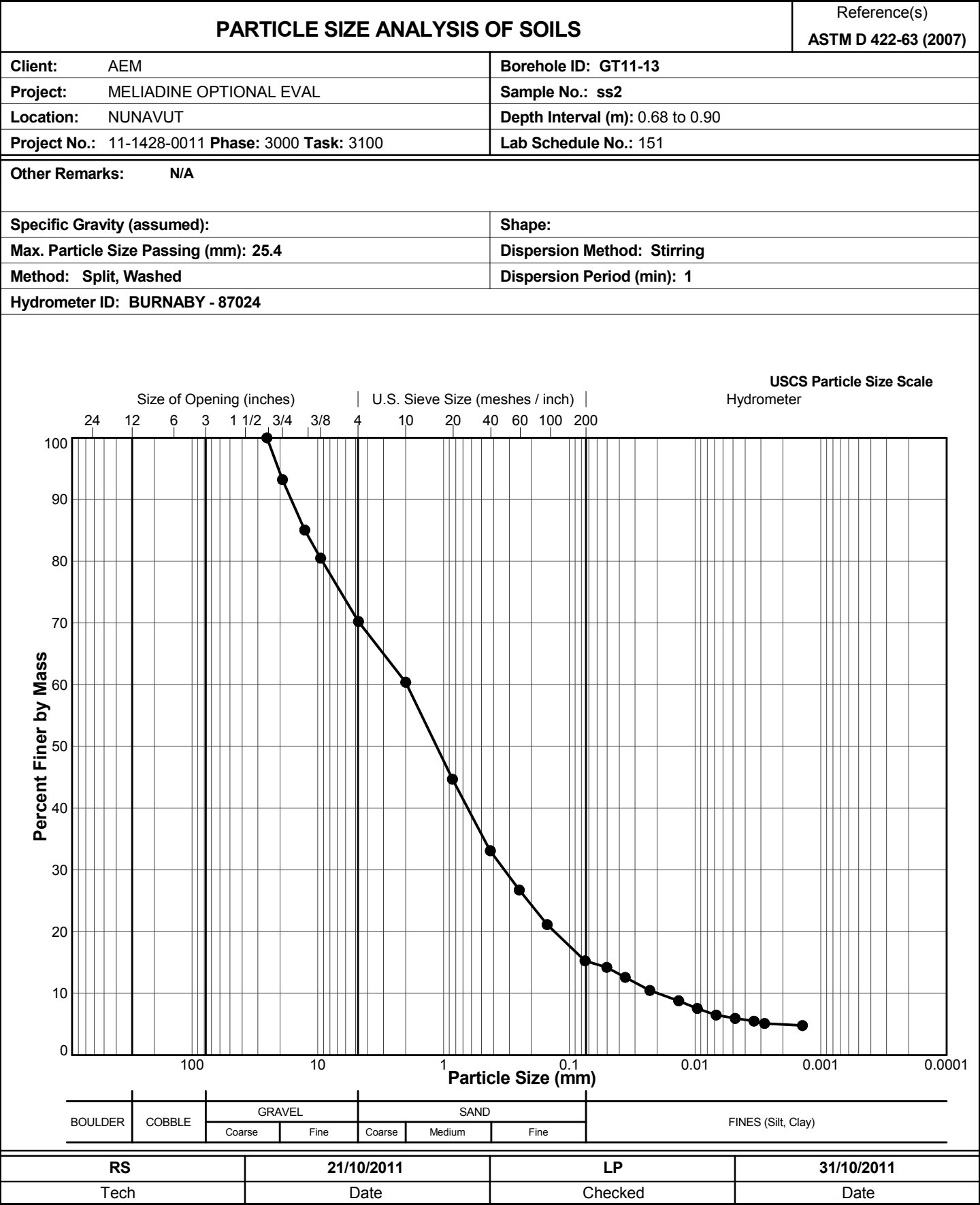
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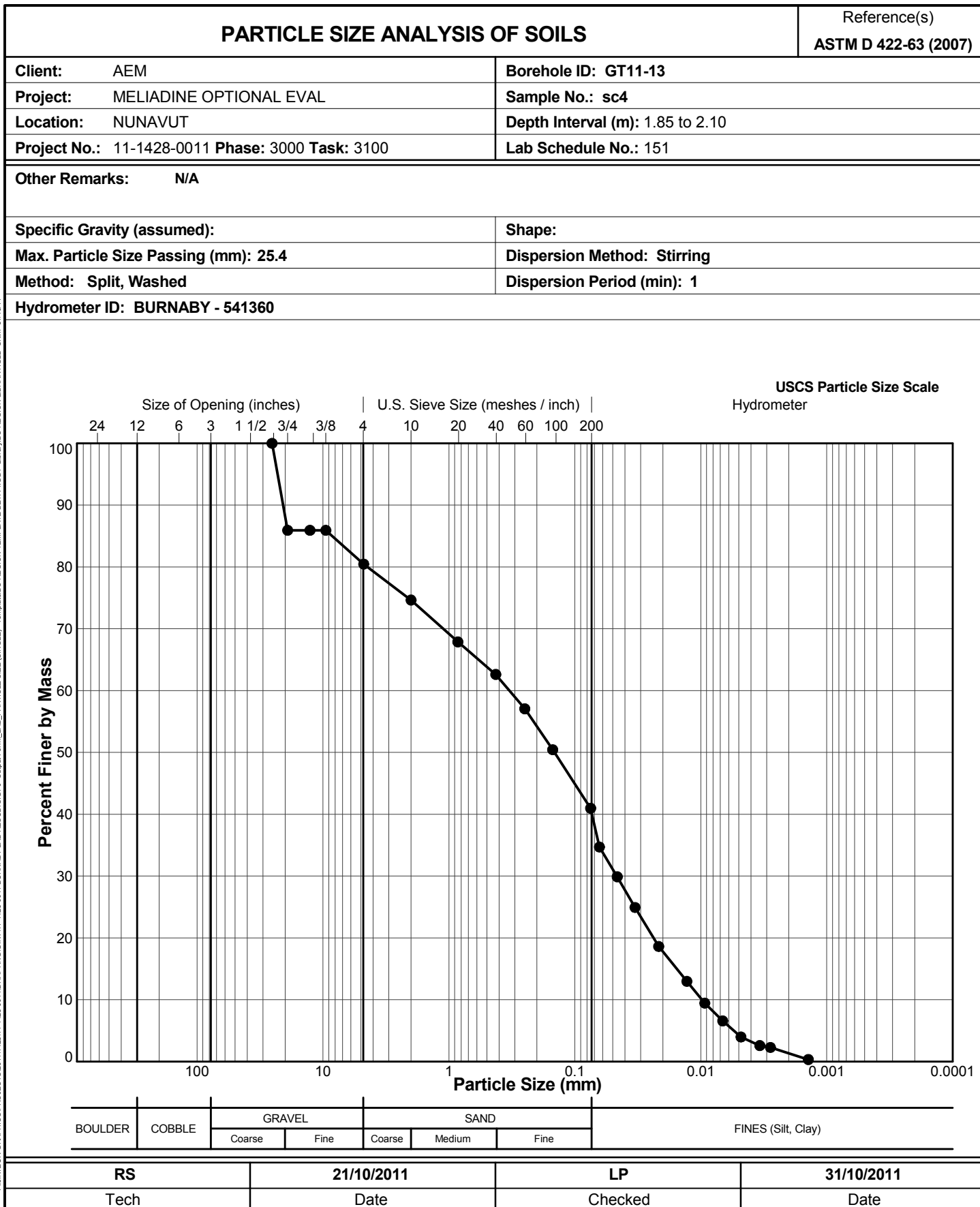
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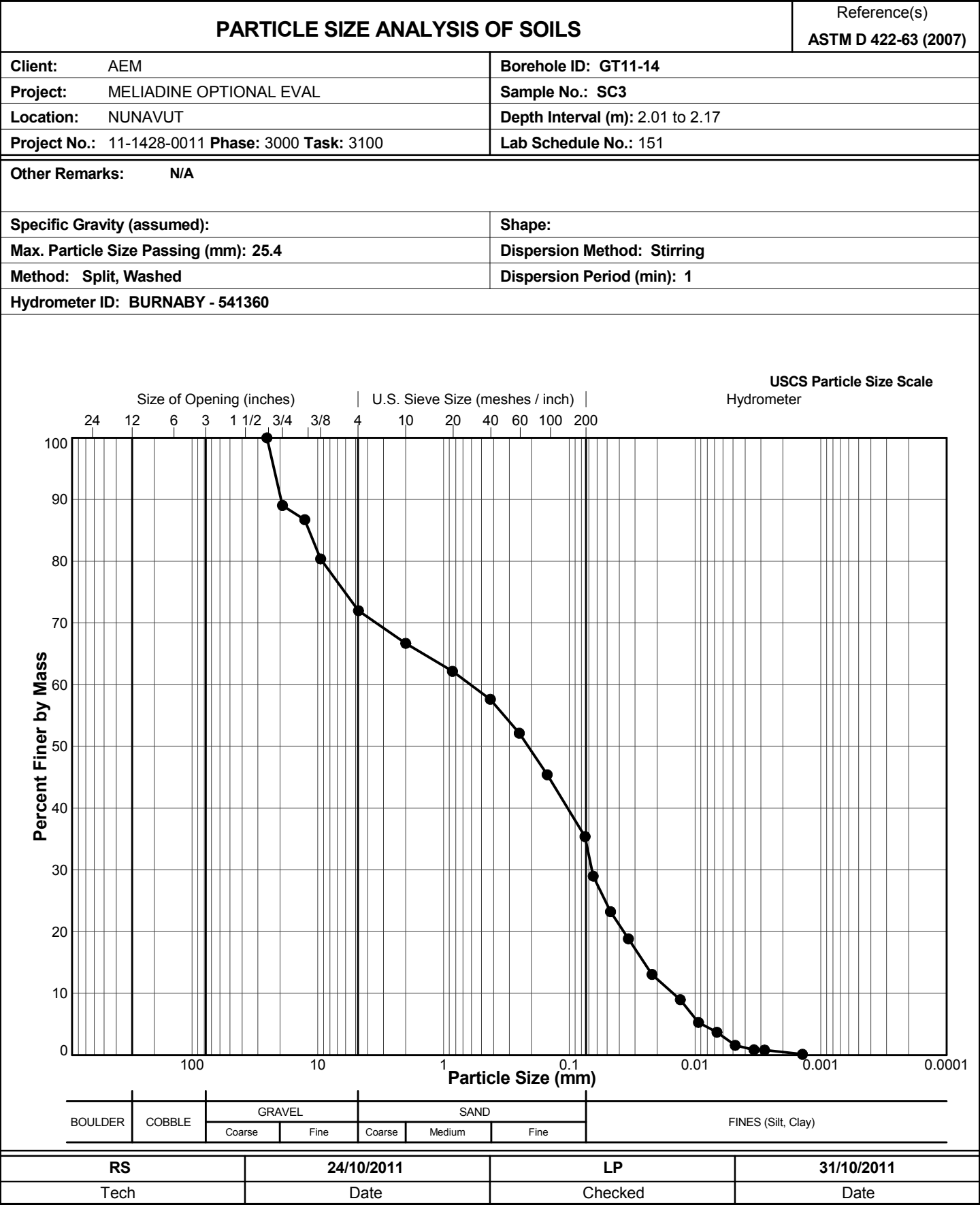
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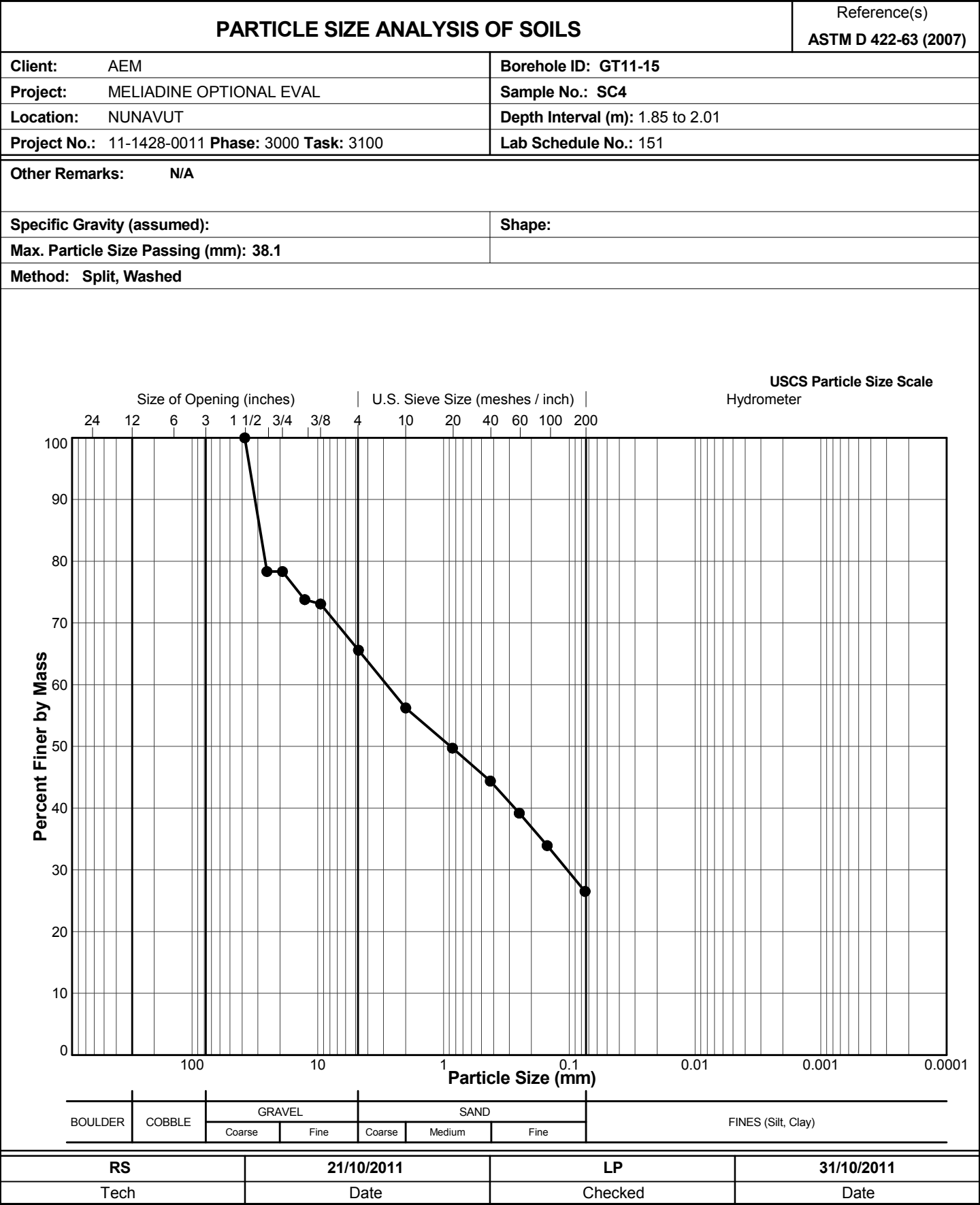
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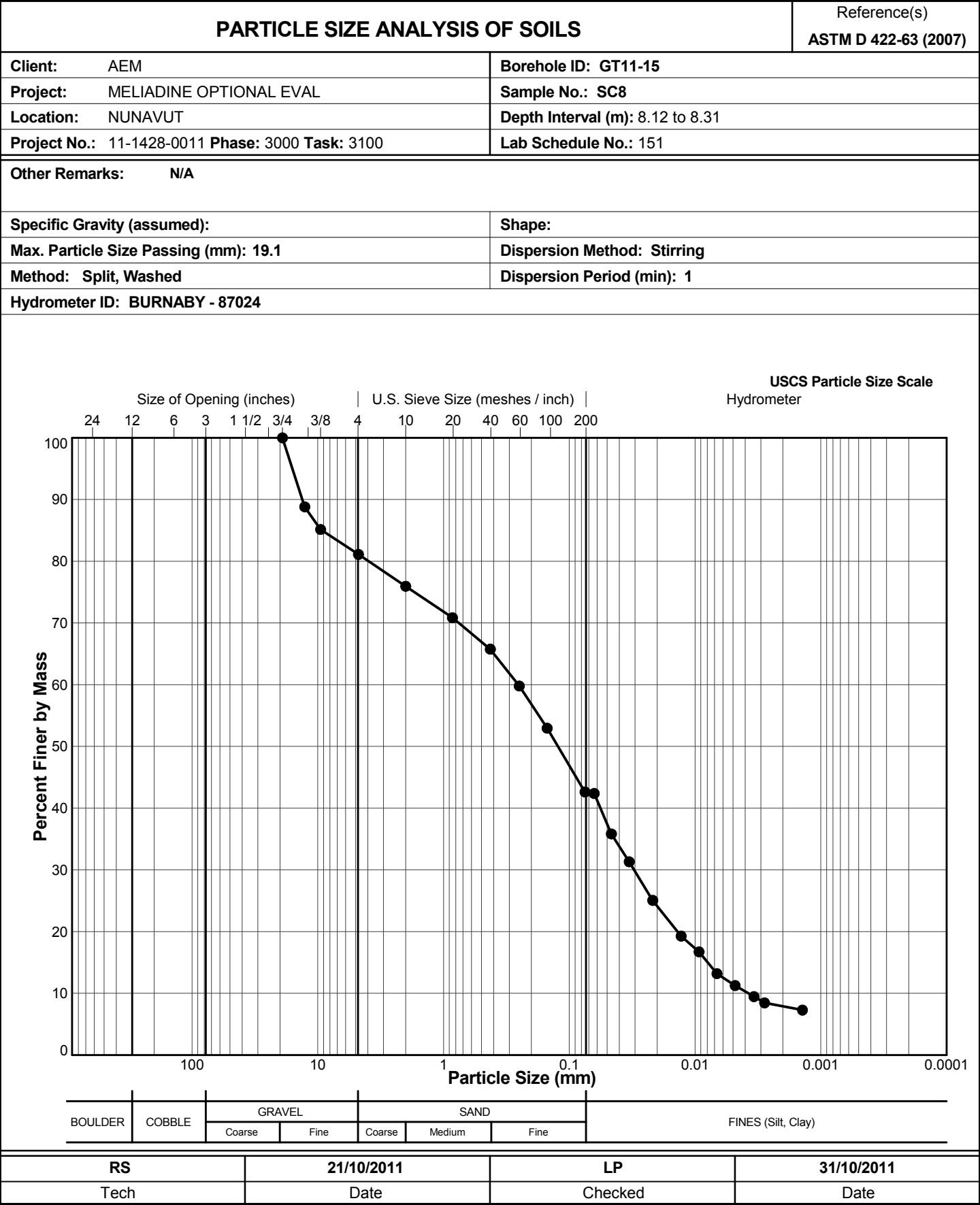
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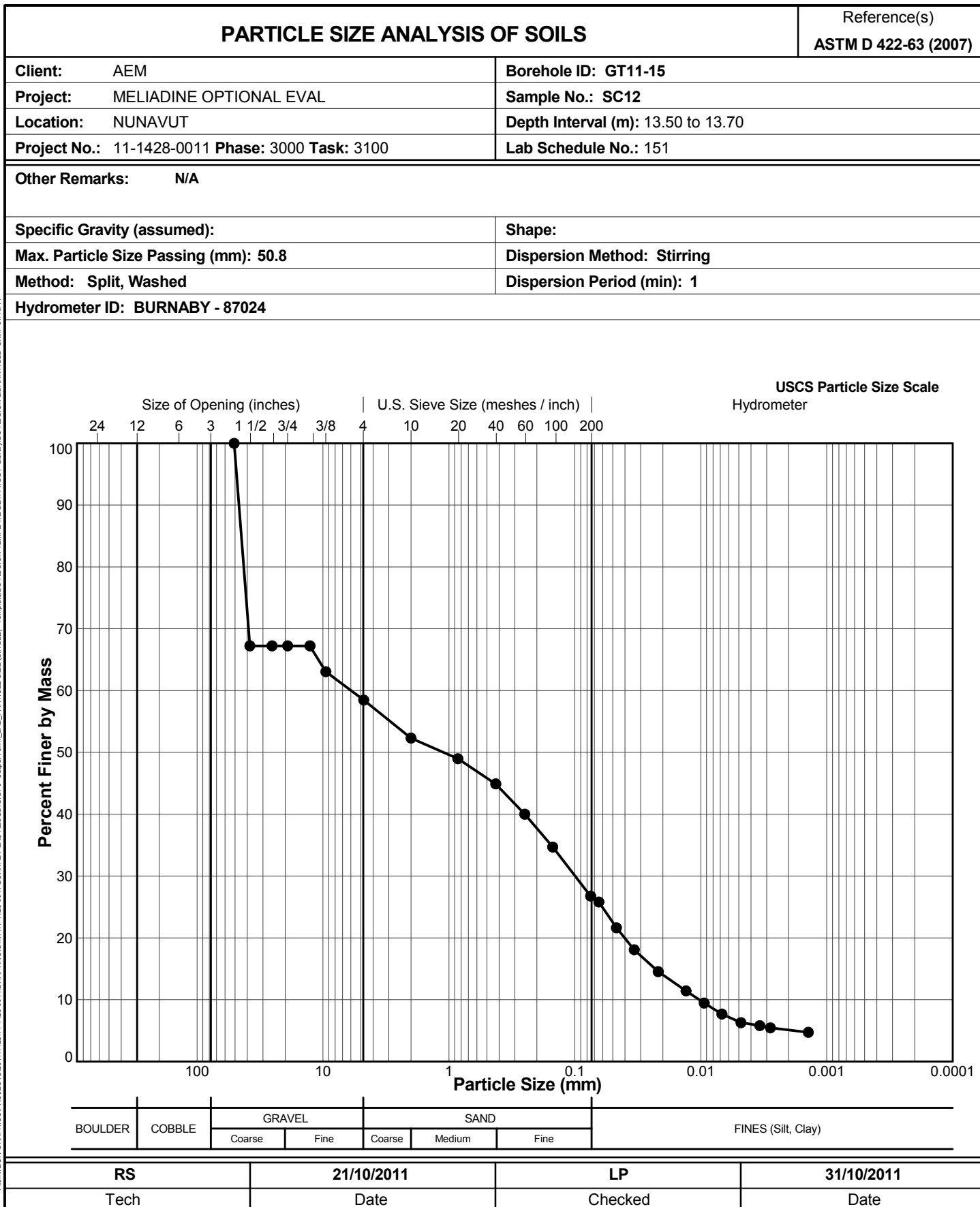
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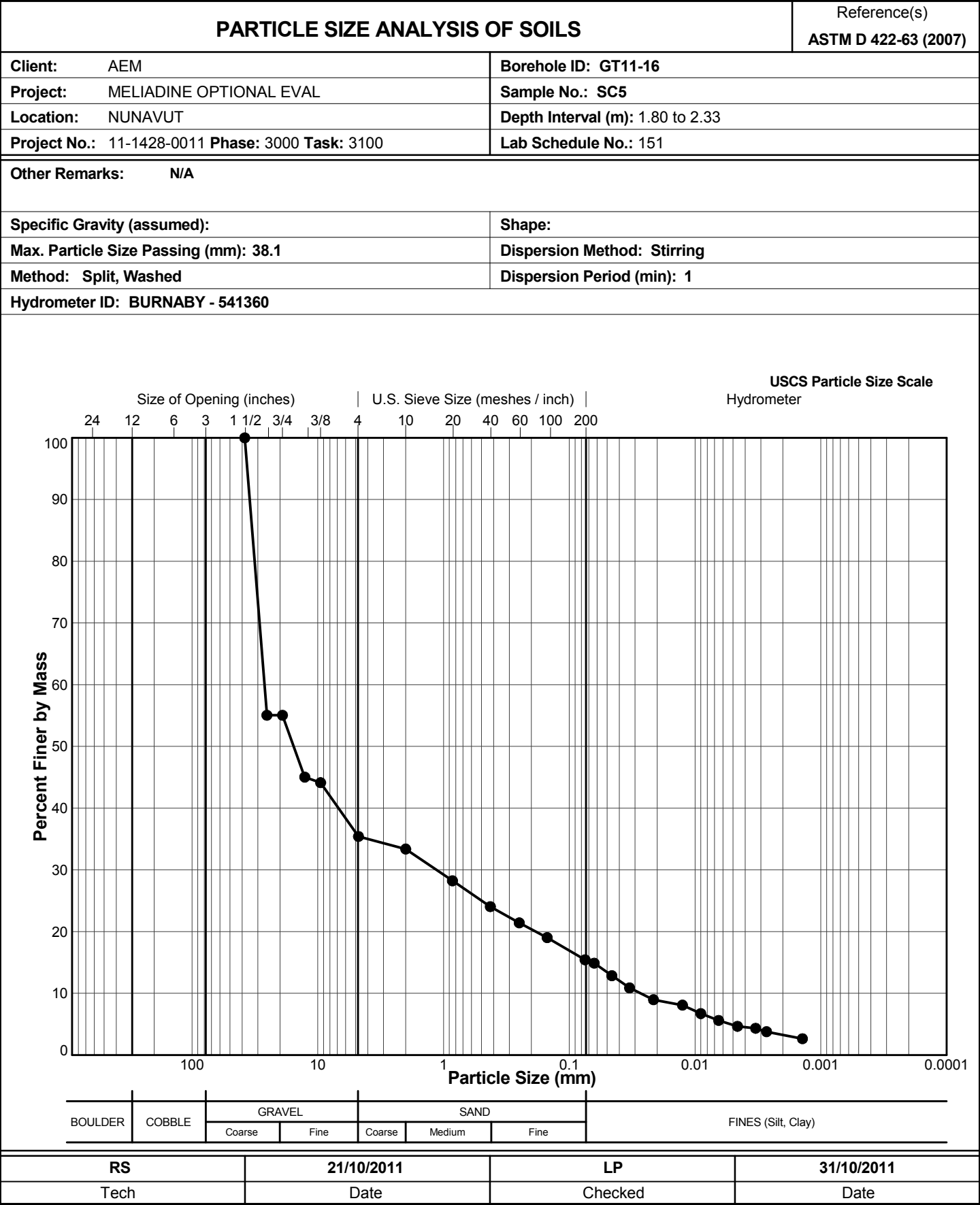
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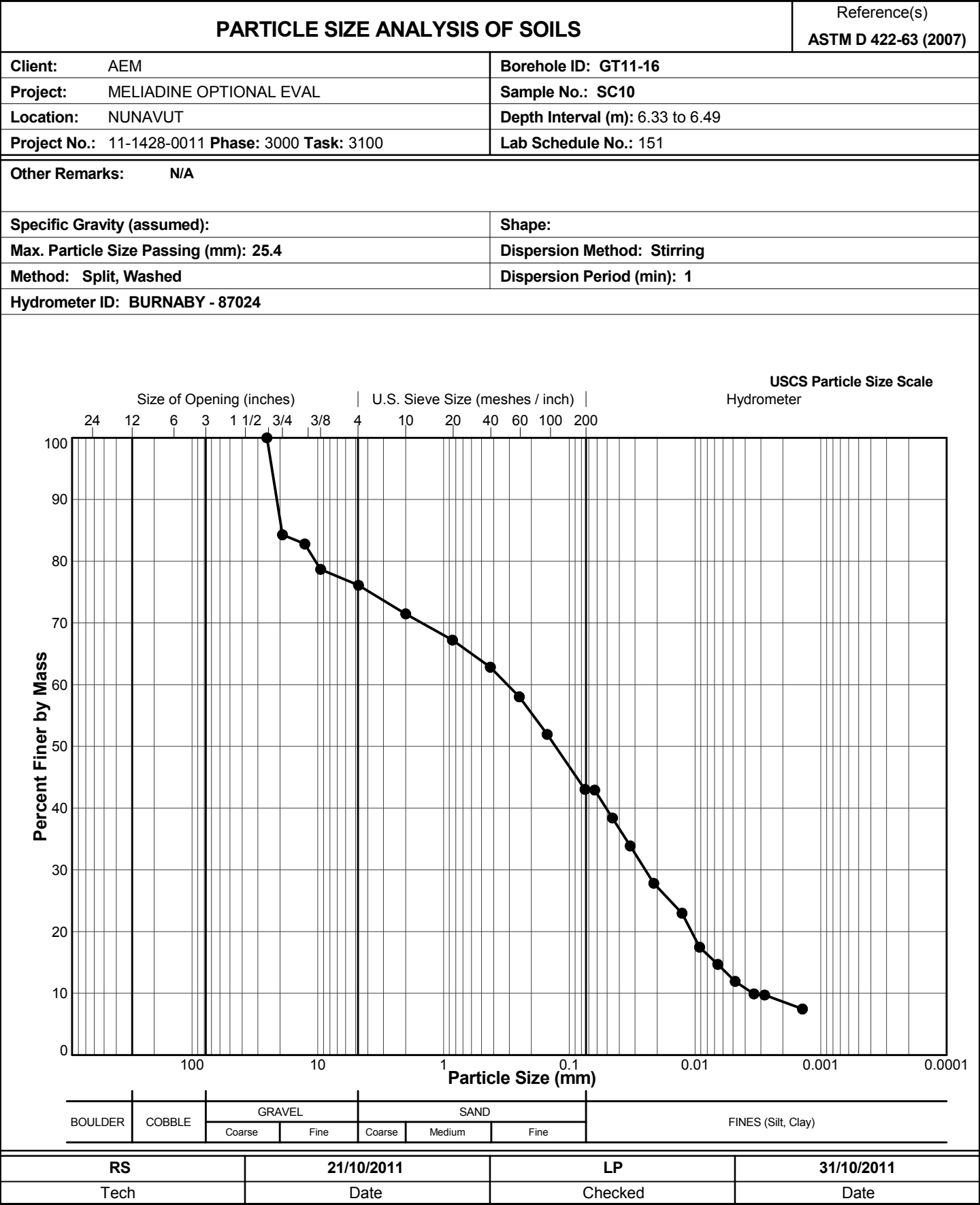
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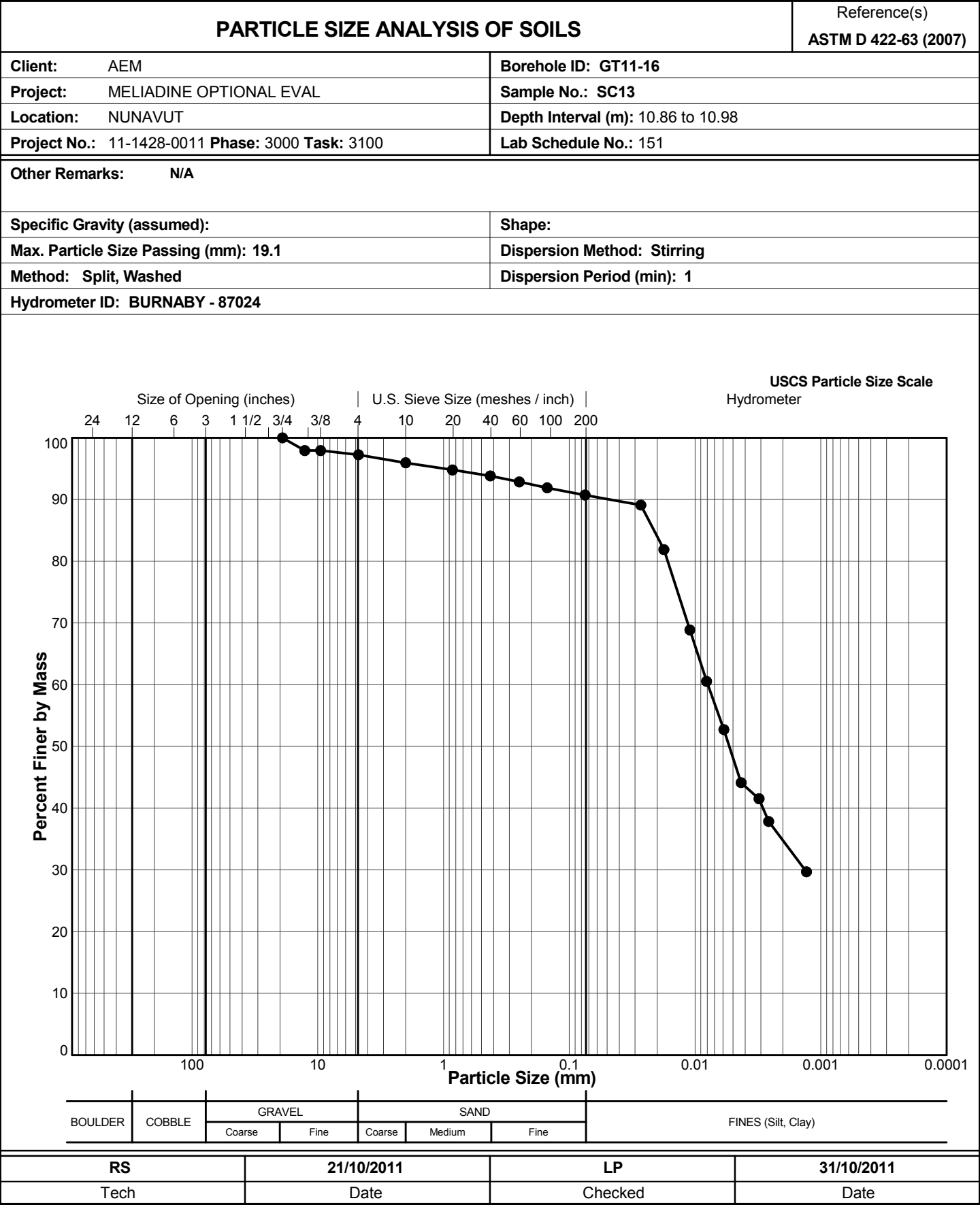
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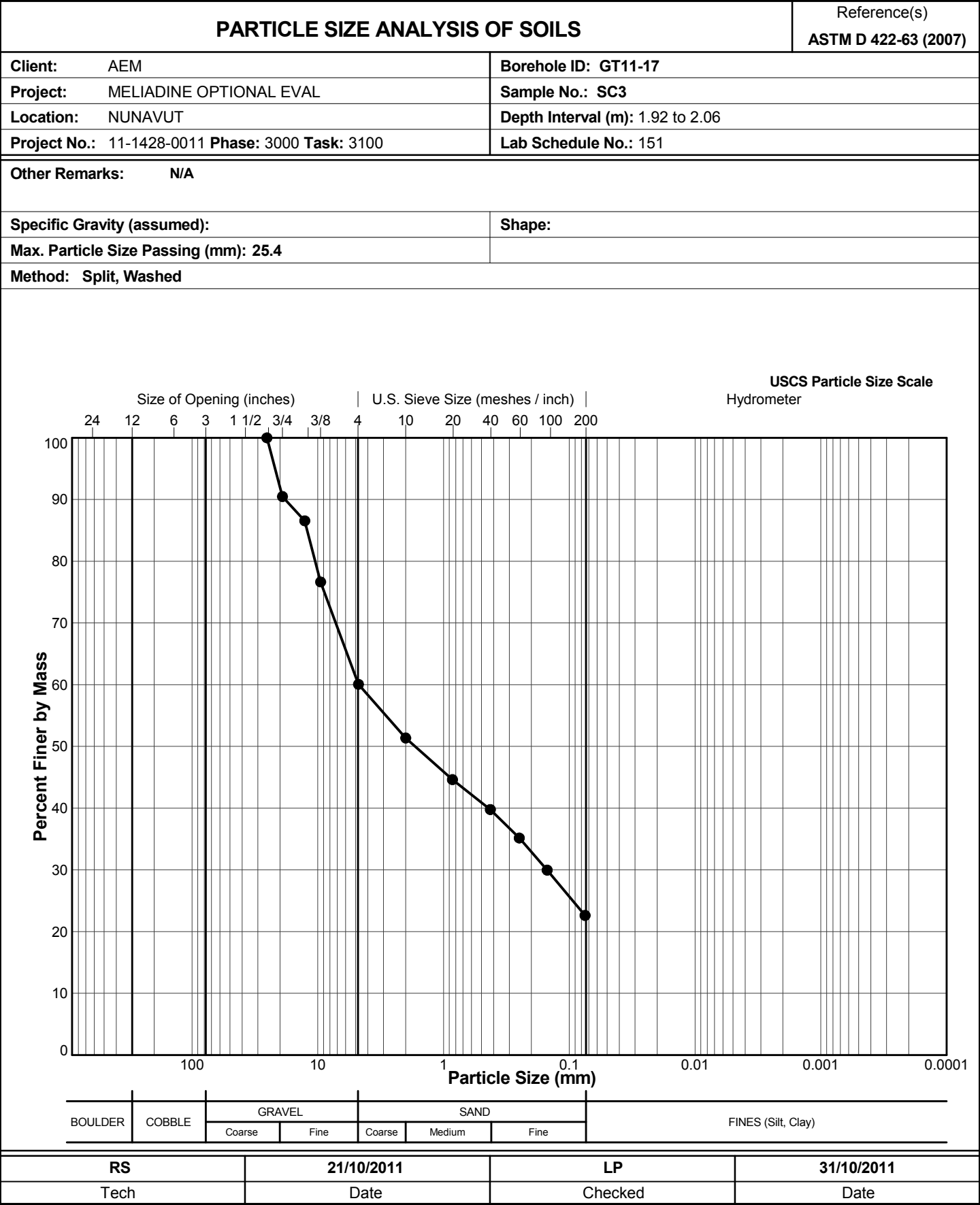
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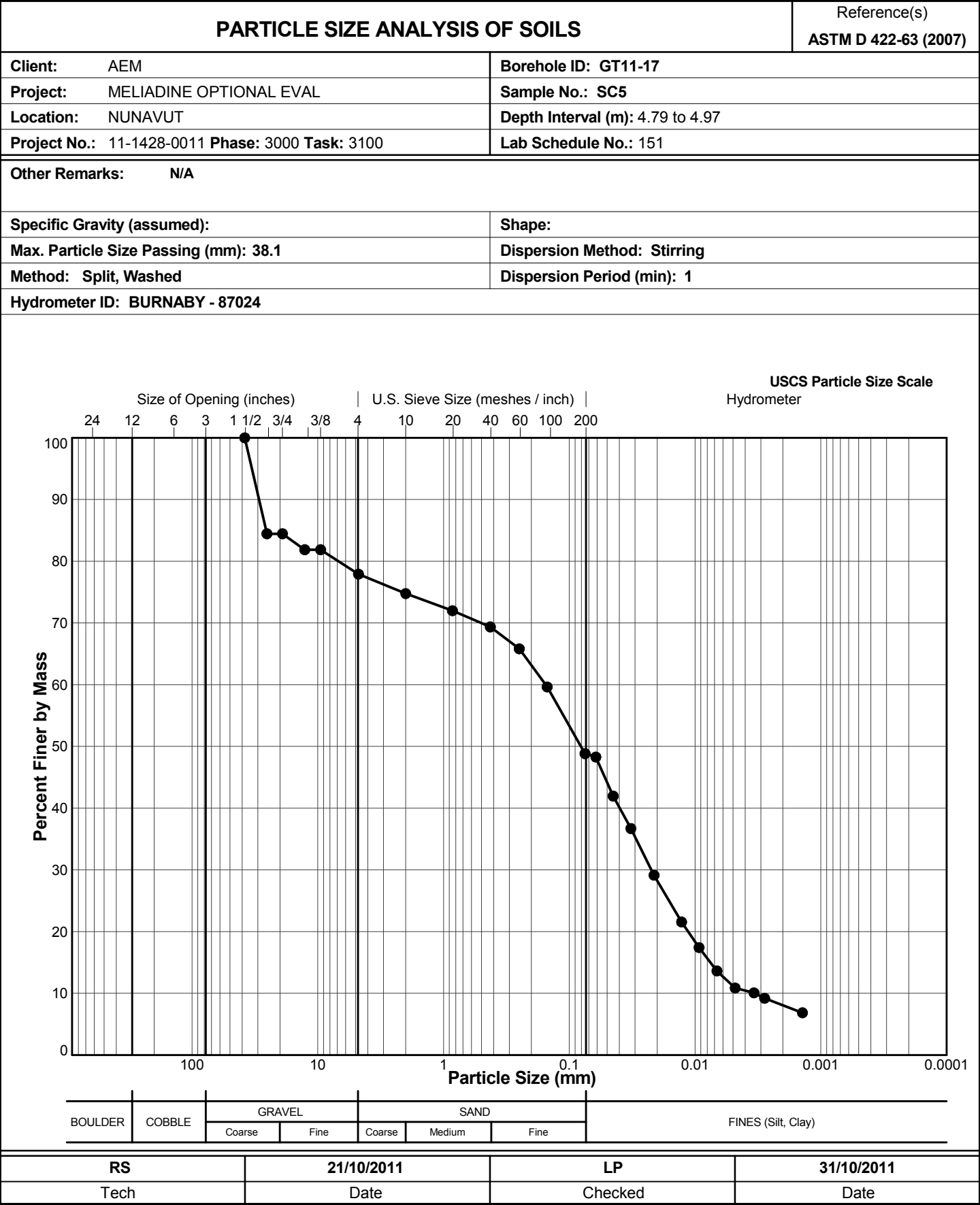
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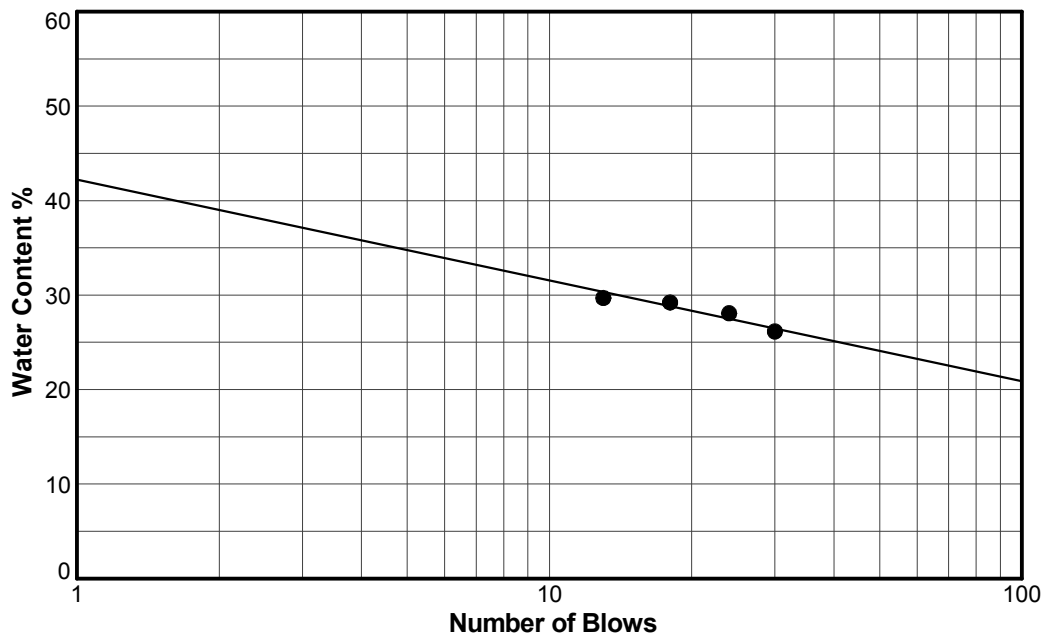
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File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS.GPJ Output Form: LAB_ATTERBERG LIMITS (REPORT). Template:BC REGION TEMPLATE BETA 1.GDT Library:BC REGION LIBRARY.GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client: AEM	Borehole ID: GT11-01	
Project: MELIADINE OPTIONAL EVAL	Sample No.: SC5	
Location: NUNAVUT	Depth Interval (m): 3.82 to 4.04	
Project No.: 11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151	
Classification and Definition: ML - Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.		
Other Remarks: N/A		
Test Method: A-Multi Point	Preparation Method: Wet	

SUMMARY	
Percent Passing #40 Sieve (%)	73
Liquid Limit	27
Plastic Limit	24
Plasticity Index	3
Natural Water Content (%)	32.7
Liquidity Index	2.9



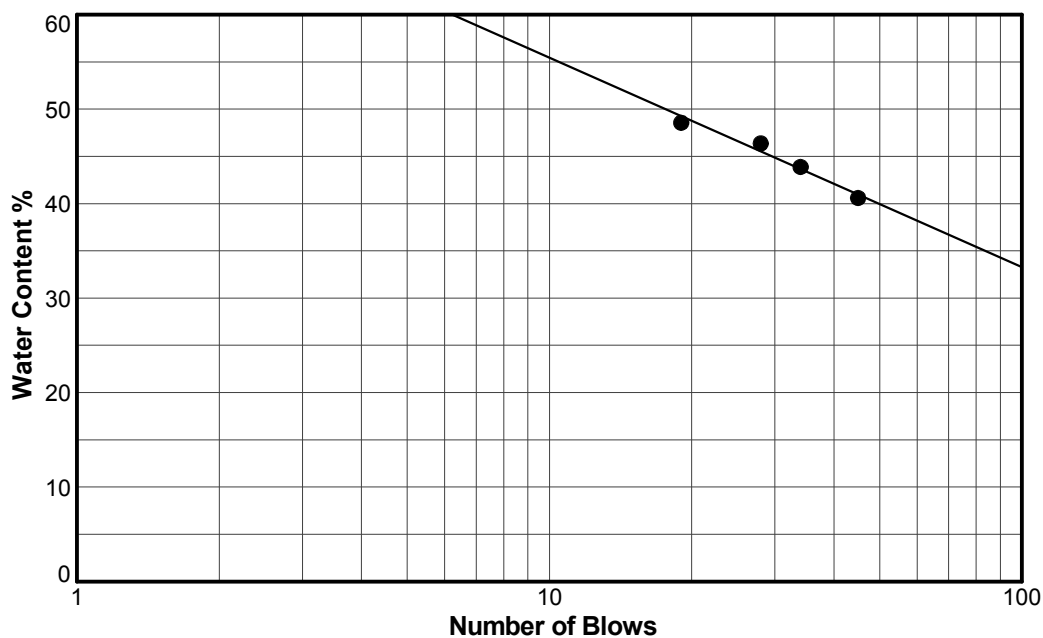
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	20/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client: AEM	Borehole ID: GT11-06	
Project: MELIADINE OPTIONAL EVAL	Sample No.: sa-11	
Location: NUNAVUT	Depth Interval (m): 11.10 to 11.25	
Project No.: 11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151	
Classification and Definition: CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.		
Other Remarks: N/A		
Test Method: A-Multi Point	Preparation Method: Wet	

SUMMARY	
Percent Passing #40 Sieve (%)	100
Liquid Limit	47
Plastic Limit	23
Plasticity Index	24
Natural Water Content (%)	26.8
Liquidity Index	0.2



Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	17/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS.GPJ Output Form: LAB_ATTERBERG LIMITS (REPORT). Template:BC REGION TEMPLATE.BETA 1.GDT Library:BC REGION LIBRARY.GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client: AEM	Borehole ID: GT11-09	
Project: MELIADINE OPTIONAL EVAL	Sample No.: sc13	
Location: NUNAVUT	Depth Interval (m): 12.55 to 12.70	
Project No.: 11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151	
Classification and Definition: ML - Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.		
Other Remarks: N/A		
Test Method: A-Multi Point	Preparation Method: Wet	

SUMMARY	
Percent Passing #40 Sieve (%)	59
Liquid Limit	16
Plastic Limit	14
Plasticity Index	2
Natural Water Content (%)	14.8
Liquidity Index	0.4



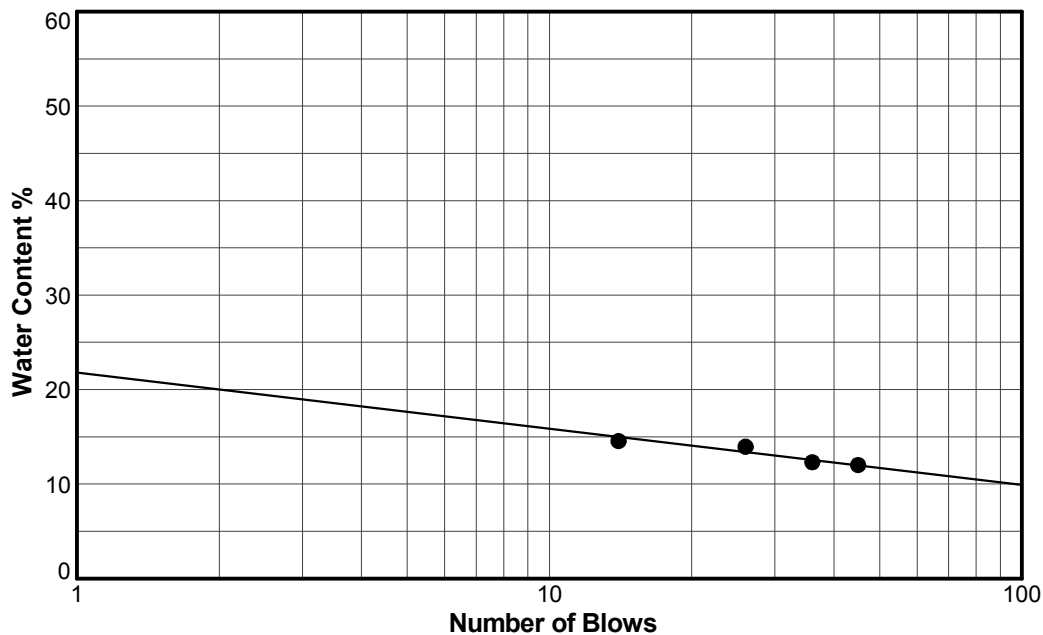
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SK	17/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client: AEM	Borehole ID: GT11-15	
Project: MELIADINE OPTIONAL EVAL	Sample No.: SC8	
Location: NUNAVUT	Depth Interval (m): 8.12 to 8.31	
Project No.: 11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151	
Classification and Definition: Non-Plastic Soil (NP).		
Other Remarks: N/A		
Test Method: A-Multi Point	Preparation Method: Wet	

SUMMARY	
Percent Passing #40 Sieve (%)	66
Liquid Limit	NP
Plastic Limit	NP
Plasticity Index	NP
Natural Water Content (%)	7.6
Liquidity Index	NP



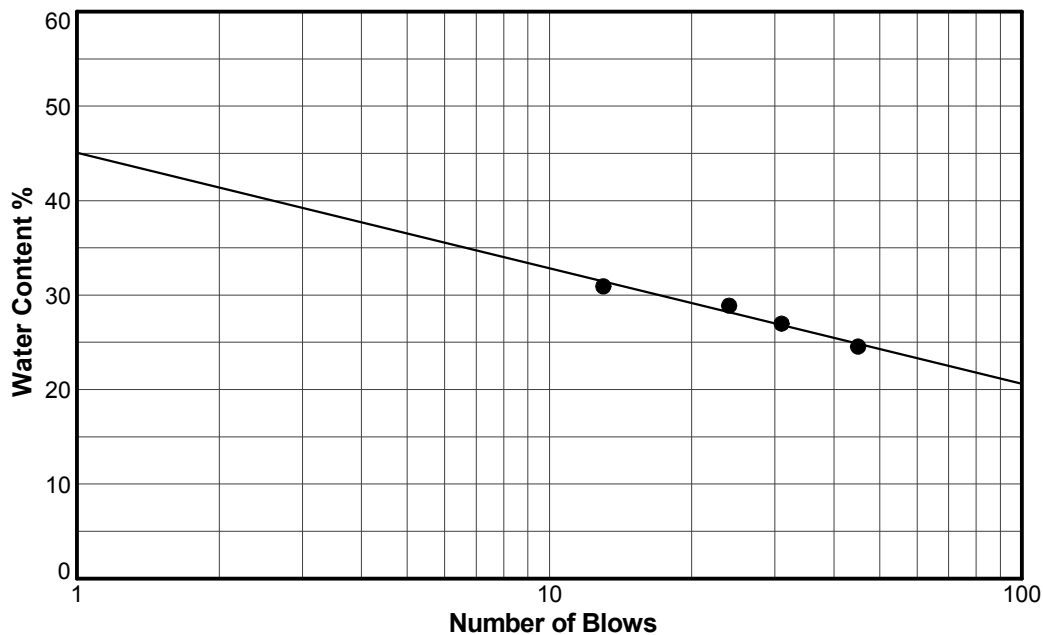
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SK	21/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client: AEM	Borehole ID: GT11-16	
Project: MELIADINE OPTIONAL EVAL	Sample No.: SC13	
Location: NUNAVUT	Depth Interval (m): 10.86 to 10.98	
Project No.: 11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151	
Classification and Definition: CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.		
Other Remarks: N/A		
Test Method: A-Multi Point	Preparation Method: Wet	

SUMMARY	
Percent Passing #40 Sieve (%)	94
Liquid Limit	28
Plastic Limit	17
Plasticity Index	11
Natural Water Content (%)	5.1
Liquidity Index	-1.1



Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	20/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

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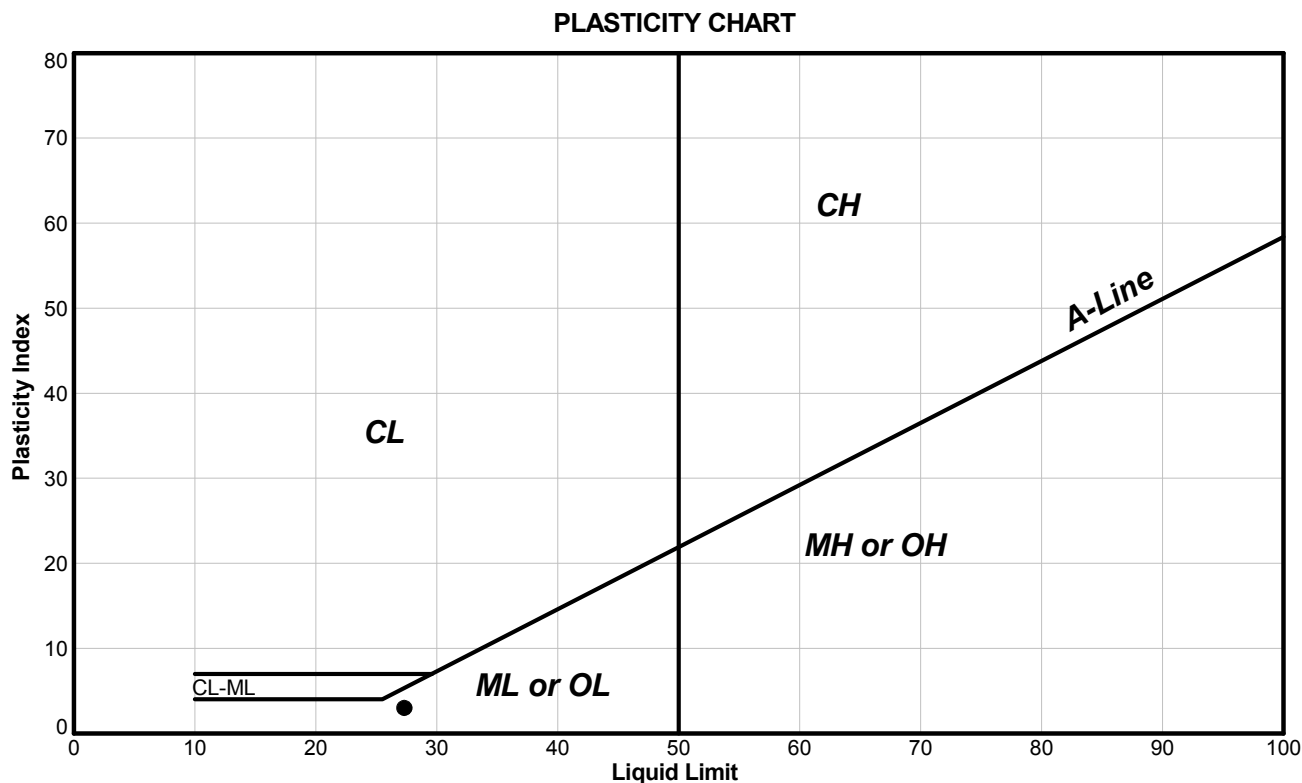
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-01	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: SC5	
Location:	NUNAVUT		Depth Interval (m): 3.82 to 4.04	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition: ML - Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.

Other Remarks: N/A

Test Method: A-Multi Point

Preparation Method: Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-01	SC5	3.82	4.04	73	27	24	3	32.7	2.9

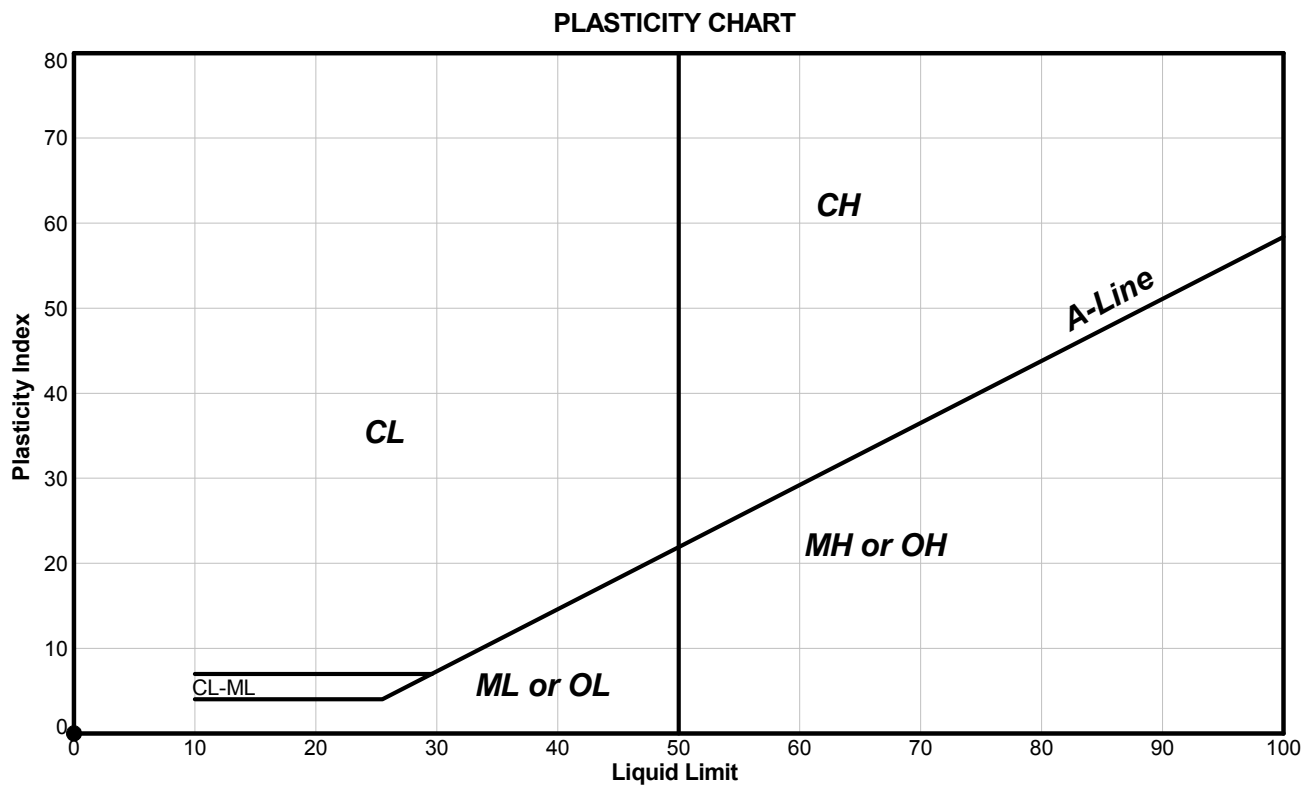
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM			Borehole ID: GT11-01
Project:	MELIADINE OPTIONAL EVAL			Sample No.: SC9
Location:	NUNAVUT			Depth Interval (m): 5.85 to 6.00
Project No.:	11-1428-0011 Phase: 3000 Task: 3100			Lab Schedule No.: 151

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point			Preparation Method: Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-01	SC9	5.85	6.00	48	NP	NP	NP	6.0	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	14/10/2011	LP	31/10/2011
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-02					
Project: MELIADINE OPTIONAL EVAL					Sample No.: SC2-T2					
Location: NUNAVUT					Depth Interval (m): 0.90 to 1.00					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					

PLASTICITY CHART

The Plasticity Chart is a graph with Plasticity Index (PI) on the y-axis (0 to 80) and Liquid Limit (LL) on the x-axis (0 to 100). A vertical line is drawn at LL = 50. A diagonal line (A-Line) starts at (0,0) and ends at (100,60). The chart is divided into several regions: CL (Liquid Limit < 30, PI > 7.2), CH (Liquid Limit > 50, PI > 7.2), MH or OH (Liquid Limit > 50, PI < 7.2), ML or OL (Liquid Limit < 30, PI < 7.2), and CL-ML (Liquid Limit < 10, PI < 7.2). The data point for the sample is plotted at LL = 48 and PI = 7.2, which falls within the MH or OH region.

Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-02	SC2-T2	0.90	1.00	48	NP	NP	NP	7.2	NP

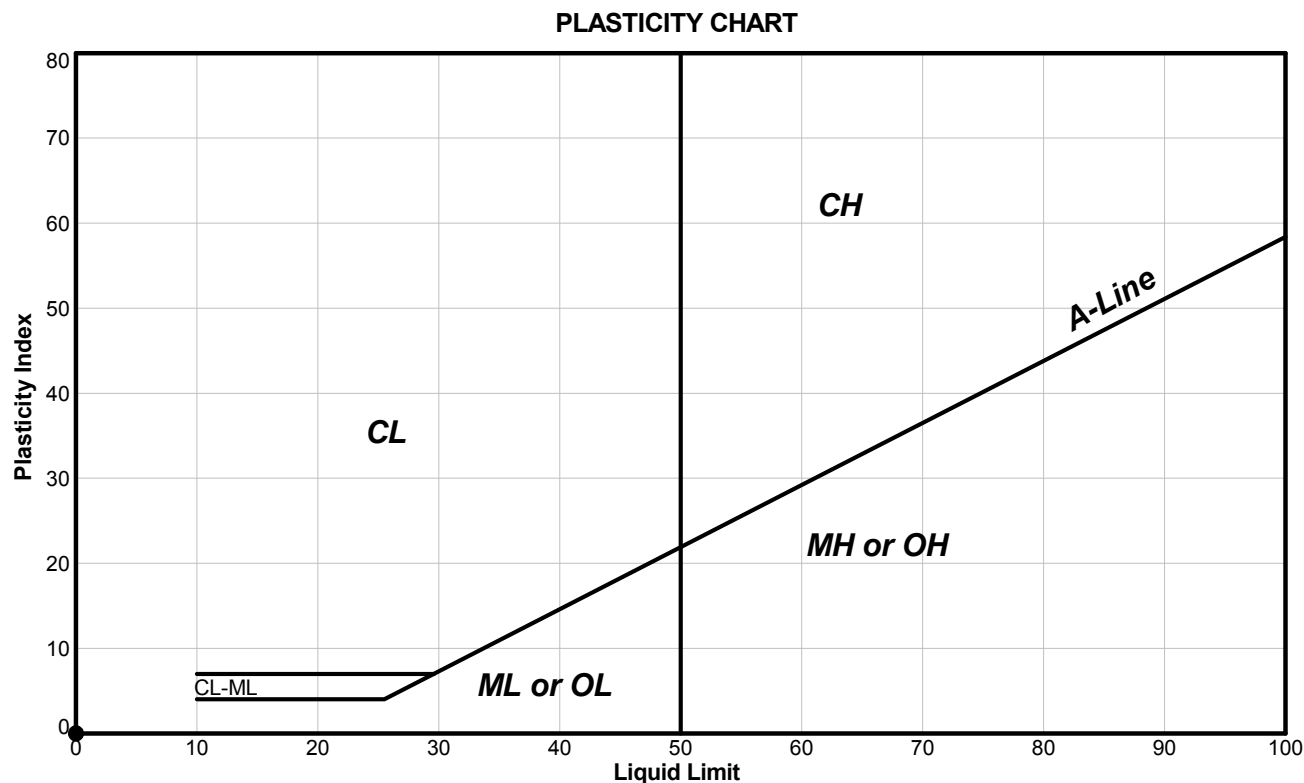
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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Tech	Date	Checked	Date

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client:	AEM	Borehole ID: GT11-02
Project:	MELIADINE OPTIONAL EVAL	Sample No.: SC6-T2
Location:	NUNAVUT	Depth Interval (m): 4.86 to 5.00
Project No.:	11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-02	SC6-T2	4.86	5.00	58	NP	NP	NP	9.6	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-05					
Project: MELIADINE OPTIONAL EVAL					Sample No.: sa-8					
Location: NUNAVUT					Depth Interval (m): 7.80 to 8.00					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					

PLASTICITY CHART

The Plasticity Chart plots Plasticity Index (Y-axis, 0 to 80) against Liquid Limit (X-axis, 0 to 100). Key features include:
 - **A-Line**: A diagonal line from (0,0) to (100,60).
 - **U-Line**: A horizontal line at Plasticity Index = 4.
 - **Regions**: CL (Clay Low Plasticity), CH (Clay High Plasticity), ML or OL (Silt Low Plasticity), and MH or OH (Silt High Plasticity).
 - **Sample Data**: Plotted at Liquid Limit = 59, Plasticity Index = 0, falling in the NP (Non-Plastic) region.

Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-05	sa-8	7.80	8.00	59	NP	NP	NP	9.4	NP

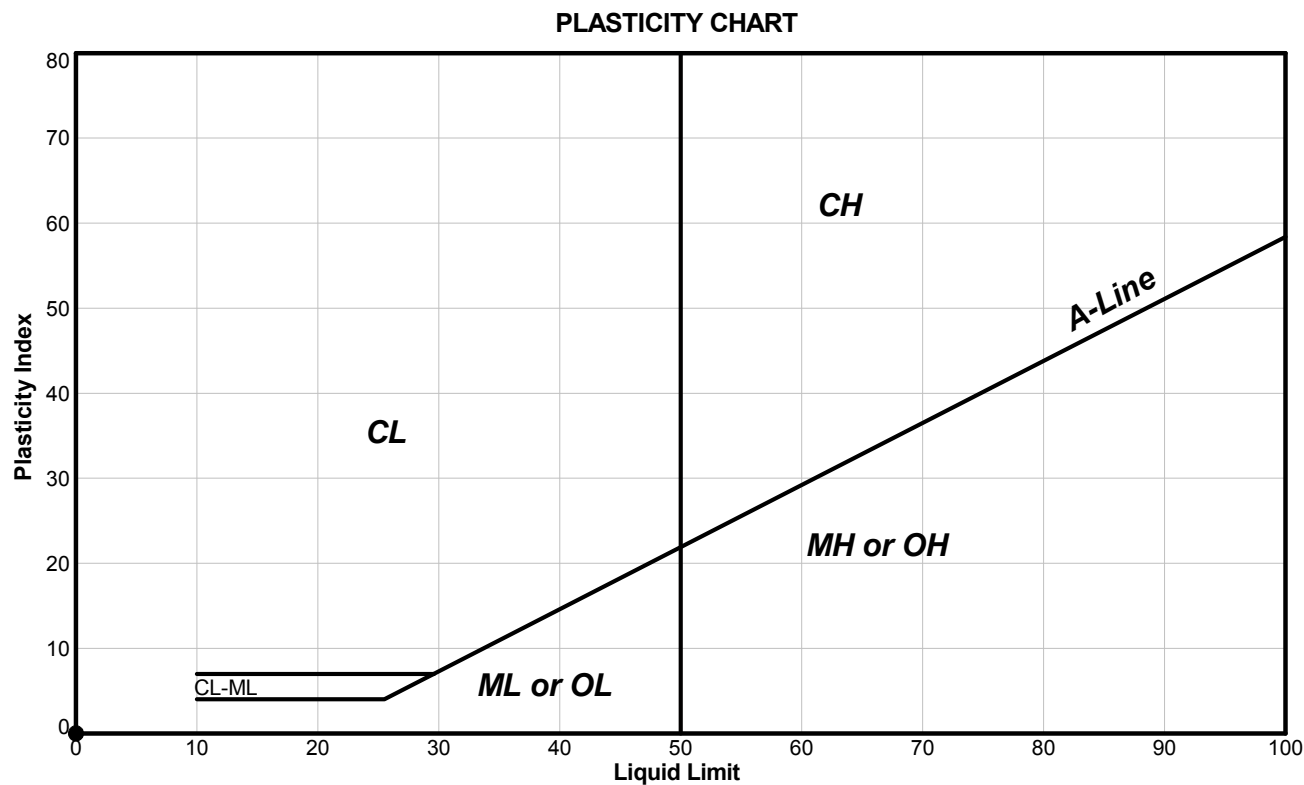
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-06	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: sa-8	
Location:	NUNAVUT		Depth Interval (m): 4.60 to 4.77	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-06	sa-8	4.60	4.77	71	NP	NP	NP	9.7	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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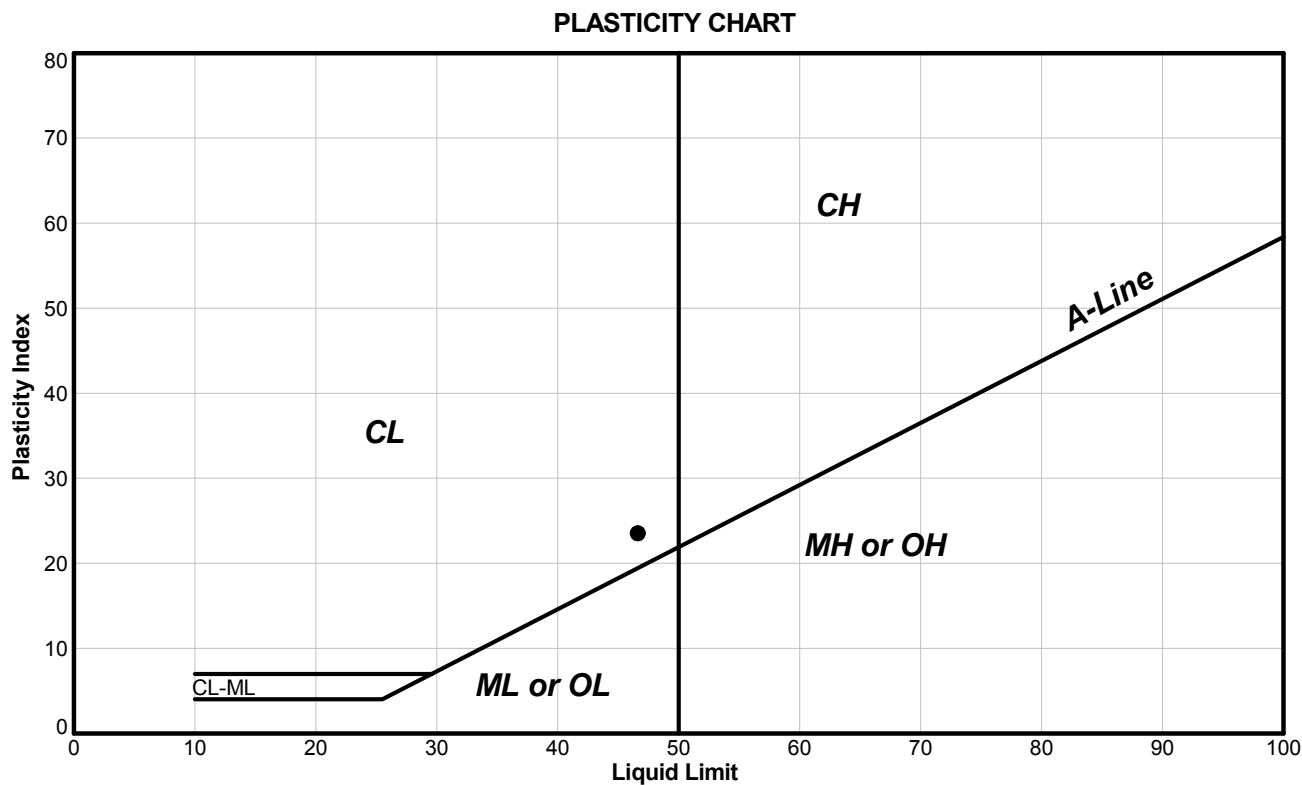
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-06					
Project: MELIADINE OPTIONAL EVAL					Sample No.: sa-10					
Location: NUNAVUT					Depth Interval (m): 9.47 to 9.62					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					
PLASTICITY CHART										
Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-06	sa-10	9.47	9.62	100	NP	NP	NP	11.4	NP
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.										
SK			17/10/2011			LP			31/10/2011	
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client:	AEM	Borehole ID: GT11-06
Project:	MELIADINE OPTIONAL EVAL	Sample No.: sa-11
Location:	NUNAVUT	Depth Interval (m): 11.10 to 11.25
Project No.:	11-1428-0011	Phase: 3000 Task: 3100
		Lab Schedule No.: 151

Classification and Definition:	CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-06	sa-11	11.10	11.25	100	47	23	24	26.8	0.2

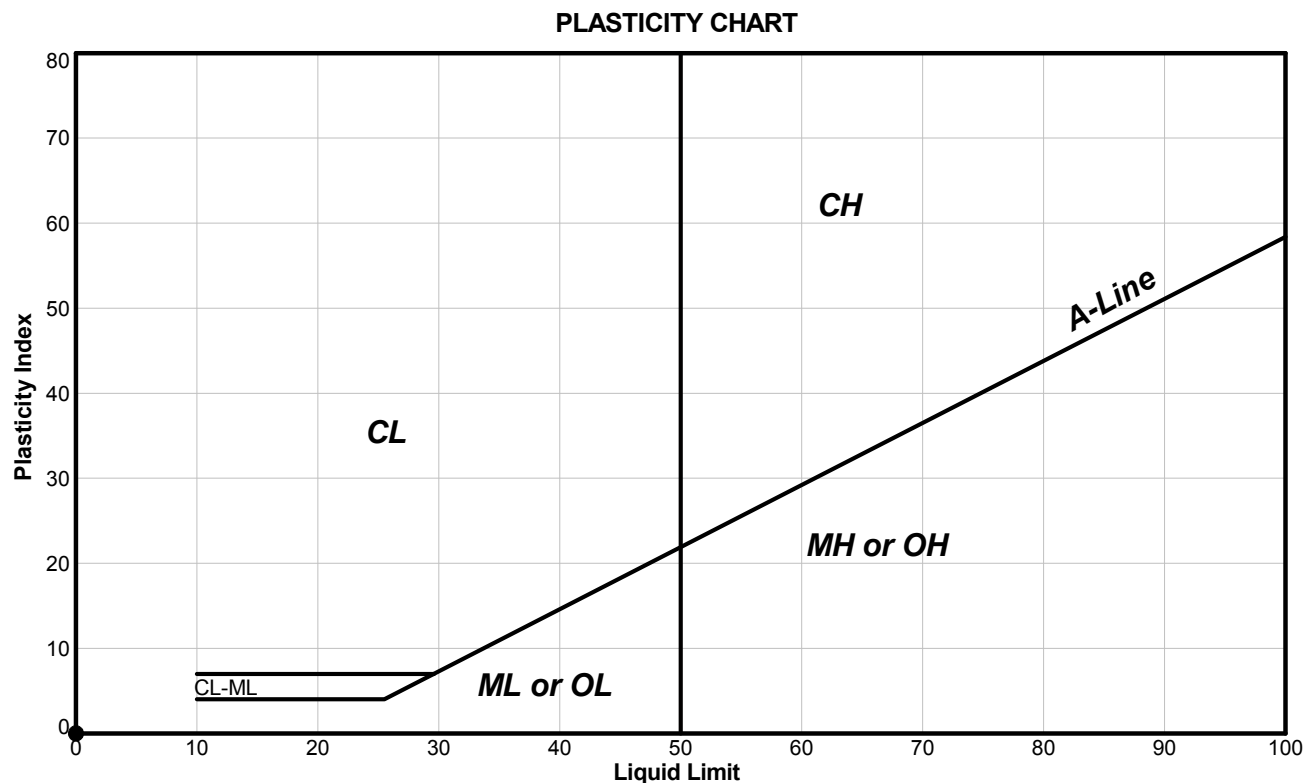
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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Tech	Date	Checked	Date

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-08	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: sc9	
Location:	NUNAVUT		Depth Interval (m): 6.50 to 6.65	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-08	sc9	6.50	6.65	62	NP	NP	NP	6.4	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS								Reference(s) ASTM D 4318-10		
Client: AEM					Borehole ID: GT11-09					
Project: MELIADINE OPTIONAL EVAL					Sample No.: sc4					
Location: NUNAVUT					Depth Interval (m): 1.50 to 1.75					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					
PLASTICITY CHART										
Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-09	sc4	1.50	1.75	41	NP	NP	NP	6.8	NP
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.										
SK		14/10/2011			LP			31/10/2011		
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-09					
Project: MELIADINE OPTIONAL EVAL					Sample No.: sc8					
Location: NUNAVUT					Depth Interval (m): 5.08 to 5.25					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					
PLASTICITY CHART										
Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-09	sc8	5.08	5.25	69	NP	NP	NP	10.8	NP
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.										
SK			25/10/2011			LP			31/10/2011	
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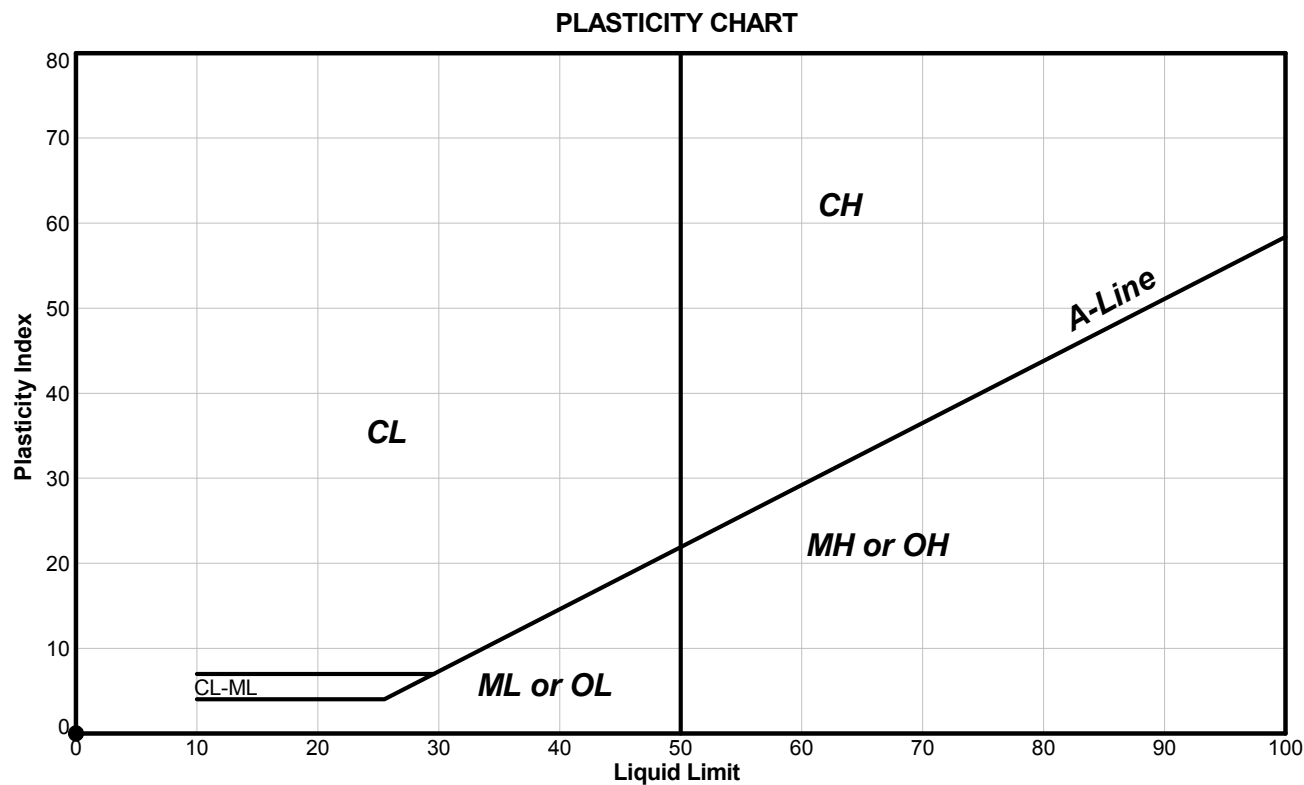
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS								Reference(s) ASTM D 4318-10		
Client: AEM					Borehole ID: GT11-09					
Project: MELIADINE OPTIONAL EVAL					Sample No.: sc13					
Location: NUNAVUT					Depth Interval (m): 12.55 to 12.70					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: ML - Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					
PLASTICITY CHART										
Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-09	sc13	12.55	12.70	59	16	14	2	14.8	0.4
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.										
SK		17/10/2011			LP			31/10/2011		
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-10	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: SC7	
Location:	NUNAVUT		Depth Interval (m): 3.80 to 4.00	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-10	SC7	3.80	4.00	60	NP	NP	NP	6.9	NP

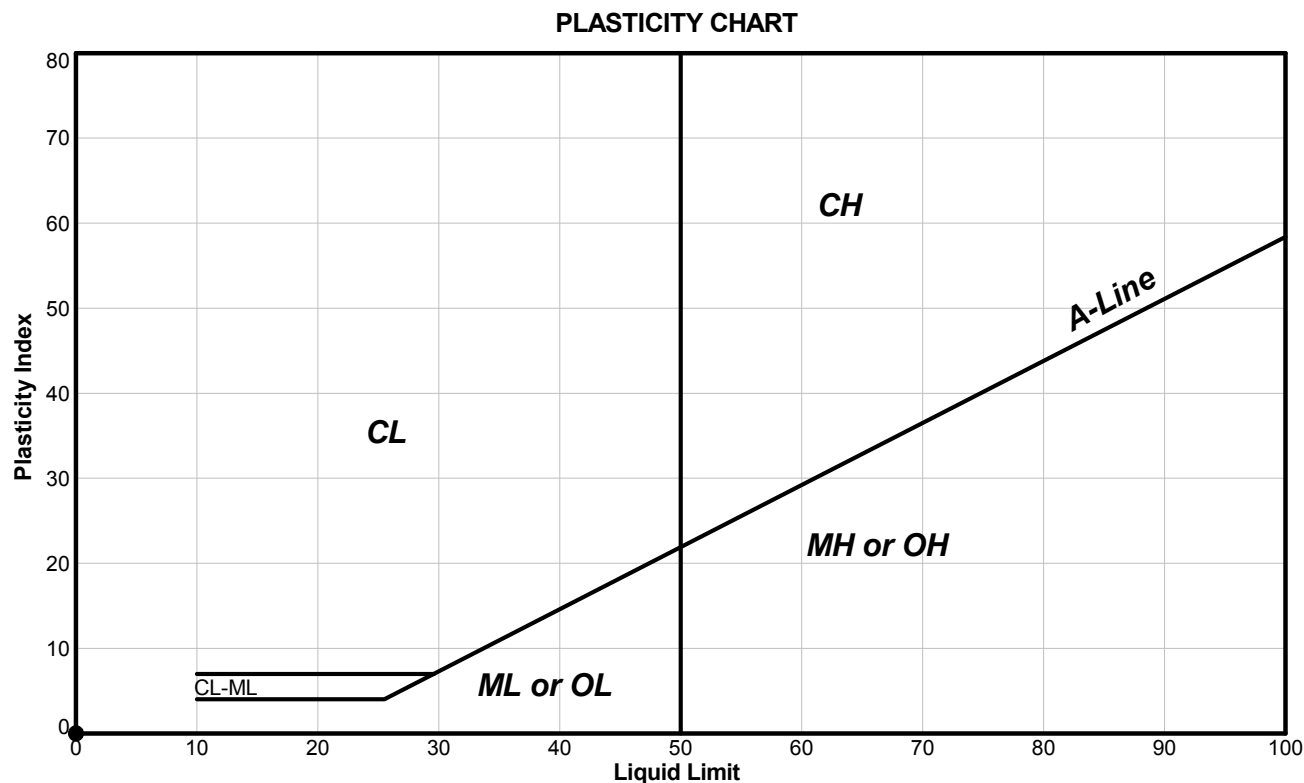
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-11	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: SC7	
Location:	NUNAVUT		Depth Interval (m): 6.50 to 6.75	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-11	SC7	6.50	6.75	40	NP	NP	NP	7.8	NP

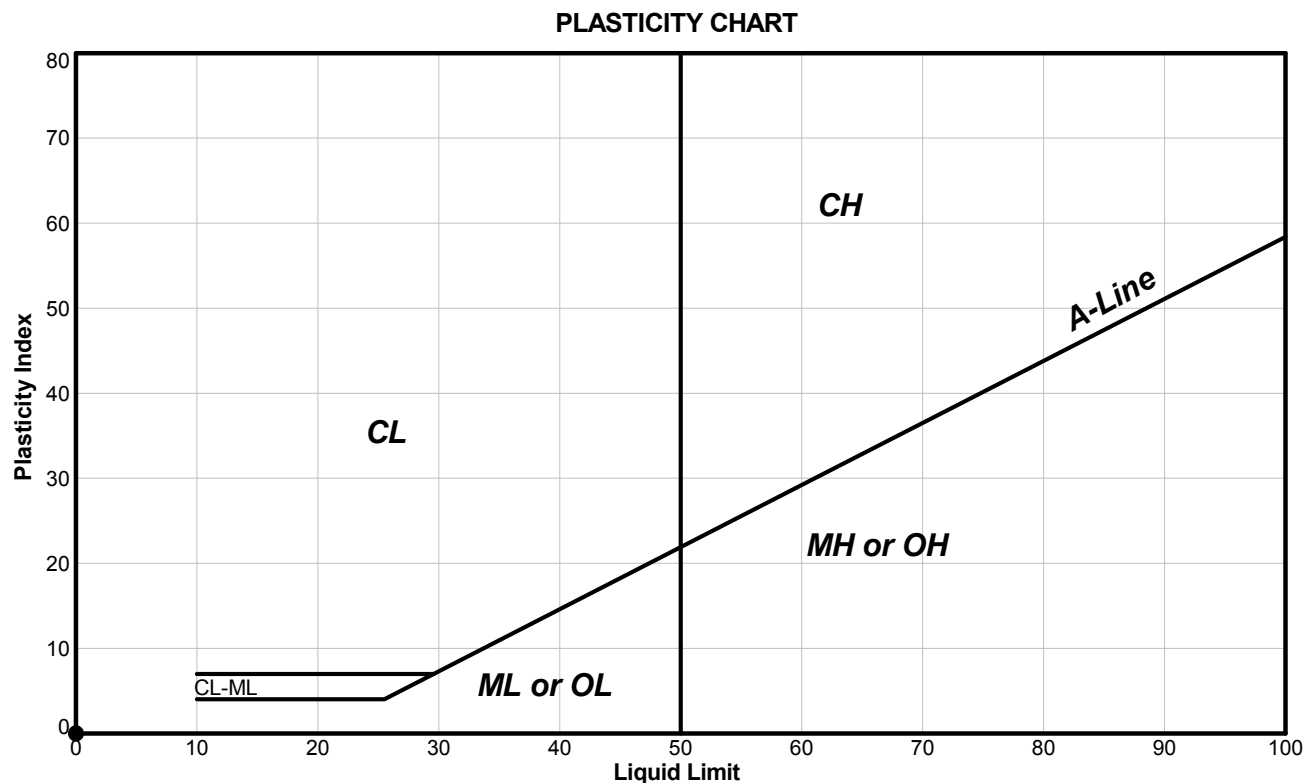
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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Tech	Date	Checked	Date

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-13	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: ss2	
Location:	NUNAVUT		Depth Interval (m): 0.68 to 0.90	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-13	ss2	0.68	0.90	33	NP	NP	NP	11.5	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

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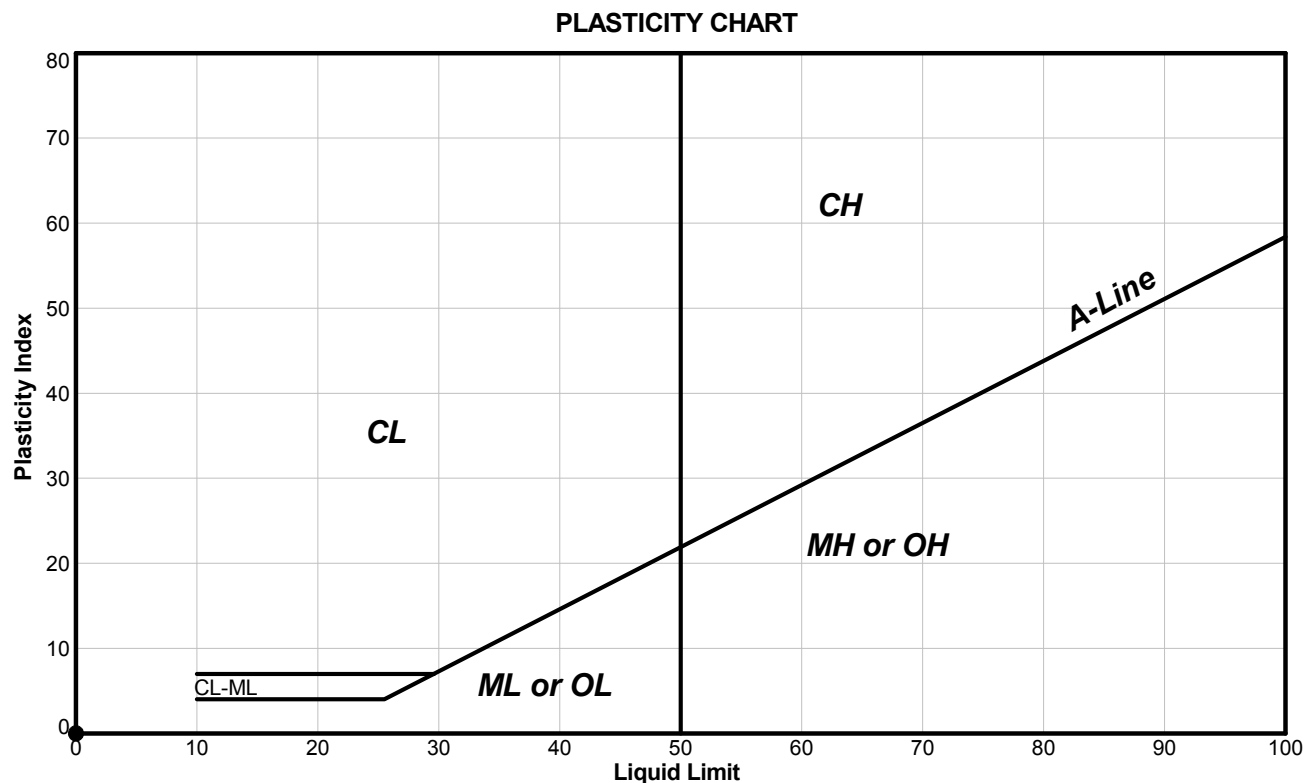
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-13					
Project: MELIADINE OPTIONAL EVAL					Sample No.: sc4					
Location: NUNAVUT					Depth Interval (m): 1.85 to 2.10					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					
PLASTICITY CHART										
Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-13	sc4	1.85	2.10	62	NP	NP	NP	8.7	NP
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.										
SK			21/10/2011			LP			31/10/2011	
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-14	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: SC3	
Location:	NUNAVUT		Depth Interval (m): 2.01 to 2.17	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-14	SC3	2.01	2.17	58	NP	NP	NP	8.2	NP

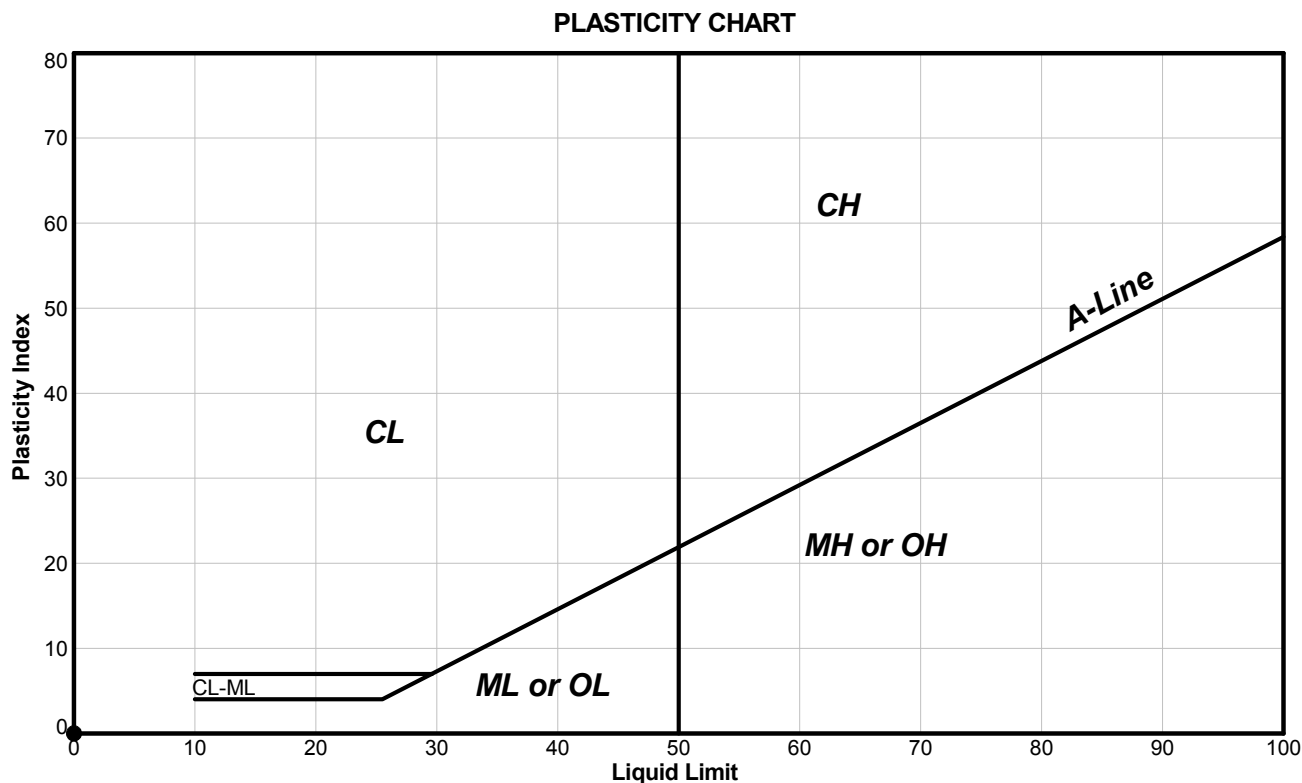
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	21/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS GP1 Output Form LAB_ATTERBERG CASAGRANDE (SINGLE) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client:	AEM	Borehole ID: GT11-15
Project:	MELIADINE OPTIONAL EVAL	Sample No.: SC8
Location:	NUNAVUT	Depth Interval (m): 8.12 to 8.31
Project No.:	11-1428-0011	Phase: 3000 Task: 3100
		Lab Schedule No.: 151

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-15	SC8	8.12	8.31	66	NP	NP	NP	7.6	NP

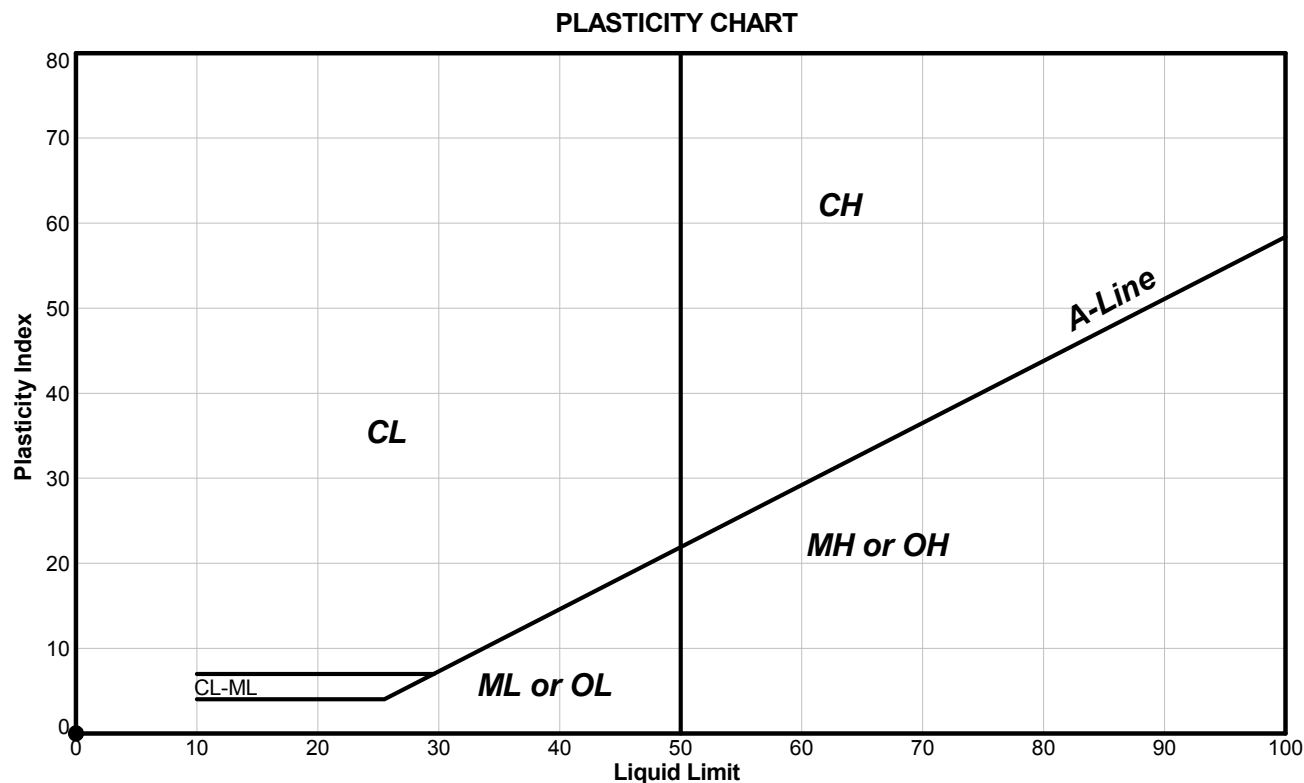
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	21/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS GP1 Output Form LAB_ATTERBERG CASAGRANDE (SINGLE) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client:	AEM	Borehole ID: GT11-15
Project:	MELIADINE OPTIONAL EVAL	Sample No.: SC12
Location:	NUNAVUT	Depth Interval (m): 13.50 to 13.70
Project No.:	11-1428-0011	Phase: 3000 Task: 3100
		Lab Schedule No.: 151

Classification and Definition:	Non-Plastic Soil (NP).			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-15	SC12	13.50	13.70	45	NP	NP	NP	7.8	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	19/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS GP1 Output Form LAB_ATTERBERG CASAGRANDE (SINGLE) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-16					
Project: MELIADINE OPTIONAL EVAL					Sample No.: SC5					
Location: NUNAVUT					Depth Interval (m): 1.80 to 2.33					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					
PLASTICITY CHART										
Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-16	SC5	1.80	2.33	24	NP	NP	NP	5.3	NP
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.										
SK			17/10/2011			LP			31/10/2011	
Tech			Date			Checked			Date	

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428-0011\DRAWING\GINT\11-1428-0011 BURNABY LAB RESULTS GP1 Output Form LAB_ATTERBERG CASAGRANDE (SINGLE) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS									Reference(s) ASTM D 4318-10	
Client: AEM					Borehole ID: GT11-16					
Project: MELIADINE OPTIONAL EVAL					Sample No.: SC10					
Location: NUNAVUT					Depth Interval (m): 6.33 to 6.49					
Project No.: 11-1428-0011 Phase: 3000 Task: 3100					Lab Schedule No.: 151					
Classification and Definition: Non-Plastic Soil (NP).										
Other Remarks: N/A										
Test Method: A-Multi Point					Preparation Method: Wet					

PLASTICITY CHART

The Plasticity Chart is a graph with Plasticity Index (PI) on the y-axis (0 to 80) and Liquid Limit (LL) on the x-axis (0 to 100). A vertical line is drawn at LL = 50. A diagonal line (A-Line) starts at (0,0) and goes to (100,60). The regions are labeled: CL (top left), CH (top right), MH or OH (middle right), ML or OL (bottom right), and CL-ML (bottom left). The A-Line is labeled 'A-Line'.

Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-16	SC10	6.33	6.49	63	NP	NP	NP	7.1	NP

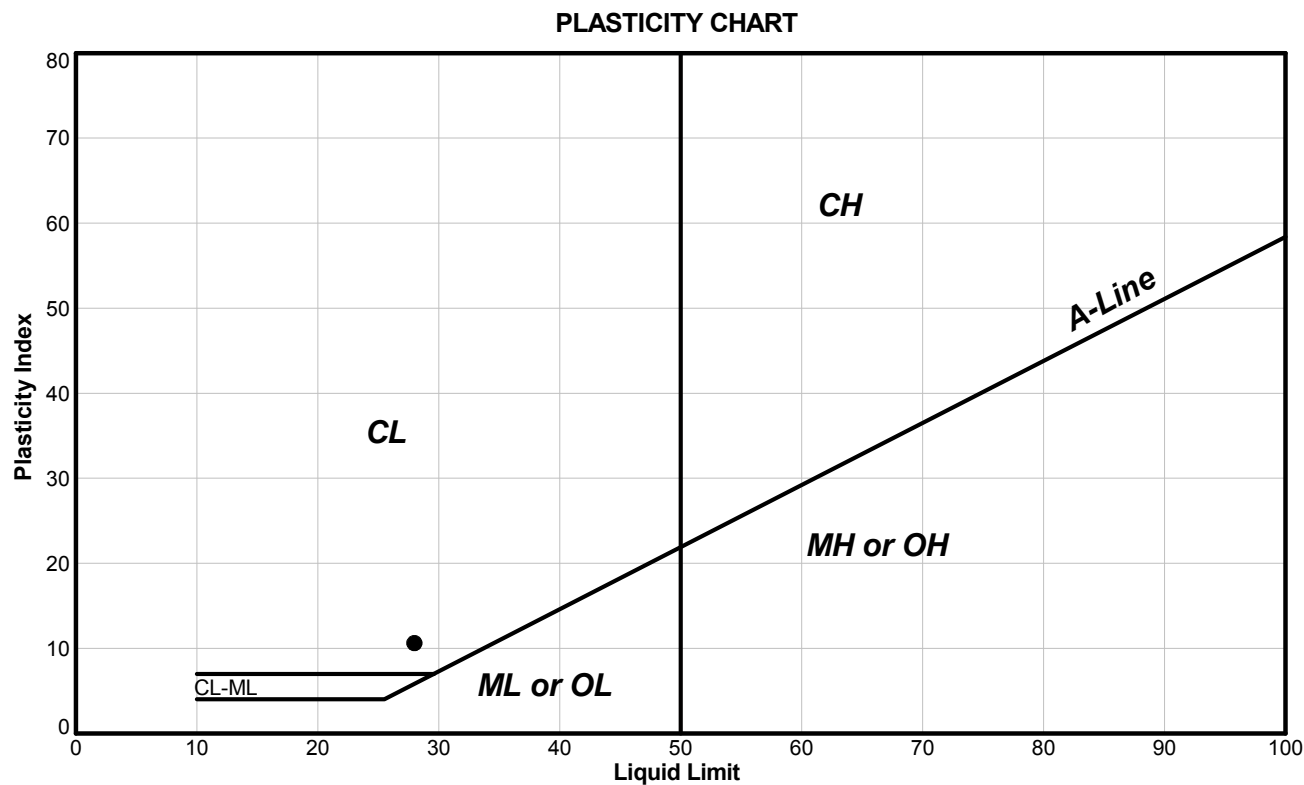
Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	25/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428\011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS GP1 Output Form LAB_ATTERBERG CASAGRANDE (SINGLE) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY GLB SKm 31/10/11

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS		Reference(s) ASTM D 4318-10
Client:	AEM	Borehole ID: GT11-16
Project:	MELIADINE OPTIONAL EVAL	Sample No.: SC13
Location:	NUNAVUT	Depth Interval (m): 10.86 to 10.98
Project No.:	11-1428-0011 Phase: 3000 Task: 3100	Lab Schedule No.: 151

Classification and Definition:	CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.			
Other Remarks:	N/A			
Test Method:	A-Multi Point		Preparation Method:	Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-16	SC13	10.86	10.98	94	28	17	11	5.1	-1.1

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	20/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

File N:\BUR-Graphics\PROJECTS\2011\1428\11-1428\011 DRAFTING\GINT\11-1428-0011 BURNABY LAB RESULTS GP1 Output Form LAB_ATTERBERG CASAGRANDE (SINGLE) Template BC REGION TEMPLATE BETA 1.GDT Library BC REGION LIBRARY GLB SKm 31/10/11

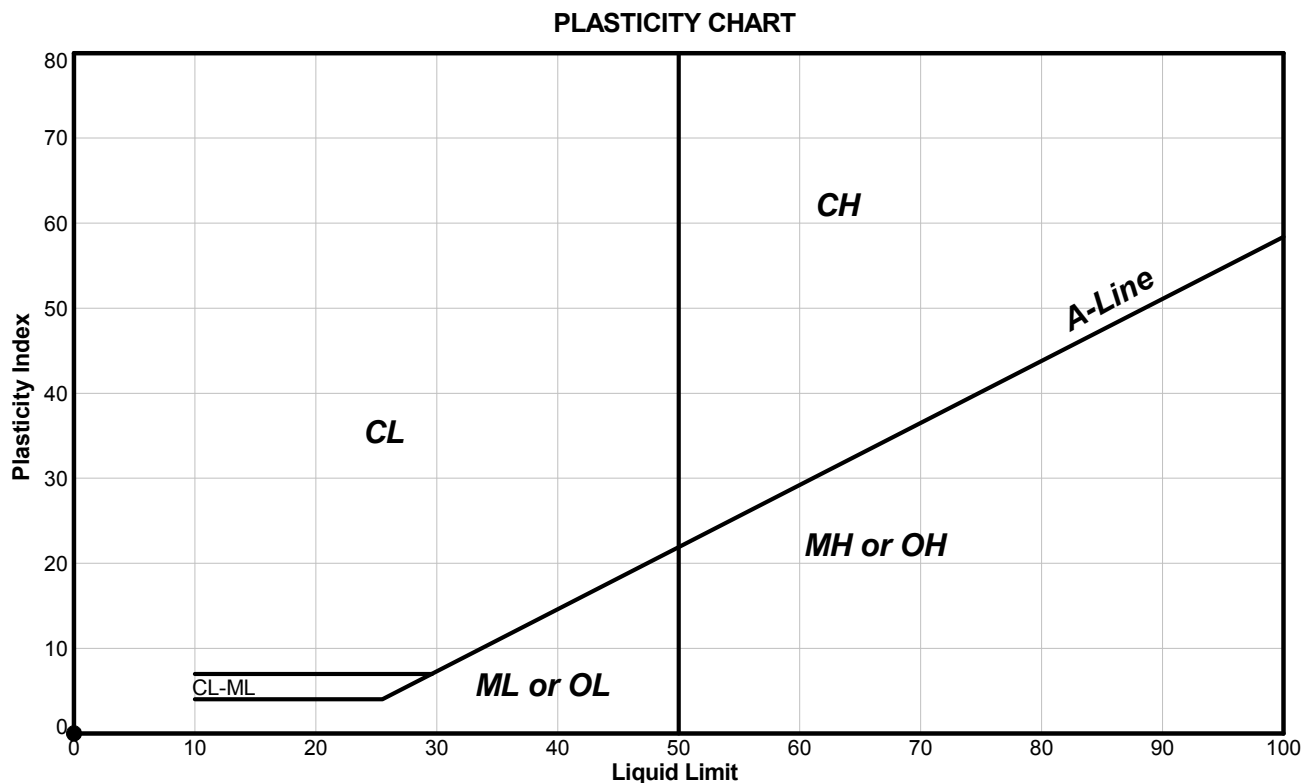
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS				Reference(s) ASTM D 4318-10
Client:	AEM		Borehole ID: GT11-17	
Project:	MELIADINE OPTIONAL EVAL		Sample No.: SC5	
Location:	NUNAVUT		Depth Interval (m): 4.79 to 4.97	
Project No.:	11-1428-0011 Phase: 3000 Task: 3100		Lab Schedule No.: 151	

Classification and Definition: Non-Plastic Soil (NP).

Other Remarks: N/A

Test Method: A-Multi Point

Preparation Method: Wet



Sym.	Sample Location	Sample Number	Depth (m)	Bottom (m)	Percent Passing #40 Sieve (%)	Liquid Limit	Plastic Limit	Plasticity Index	Natural Water Content (%)	Liquidity Index
●	GT11-17	SC5	4.79	4.97	69	NP	NP	NP	9.4	NP

Note: The test data given herein pertain to the sample provided only. This report constitutes a testing service only.

SK	17/10/2011	LP	31/10/2011
Tech	Date	Checked	Date

WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: AEM Project No.: 11-1428-0011 Phase: 3000 Task: 3100
 Project: MELIADINE OPTIONAL EVAL Lab Schedule No.: 151
 Location: NUNAVUT

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT11-01	SC5	3.82	4.04	32.7
GT11-01	SC6	4.81	4.95	5.8
GT11-01	SC9	5.85	6.00	6.0
GT11-01	SC10	6.85	7.04	5.5
GT11-02	SC2-T2	0.90	1.00	7.2
GT11-02	SC6-T2	4.86	5.00	9.6
GT11-02	SC7-T2	5.40	5.55	5.3
GT11-03	SC-4a	1.50	1.78	31.9
GT11-03	SC-4b	1.78	2.00	10.1
GT11-04	Sa-4	1.50	1.96	26.0
GT11-04	Sa-5	1.96	2.42	18.5
GT11-04	Sa-7	3.95	4.27	5.8
GT11-05	sa-3	2.21	2.67	20.8
GT11-05	sa-4	2.70	2.80	17.2
GT11-05	sa-5	3.85	4.00	7.5
GT11-05	sa-7	6.80	7.00	10.0
GT11-05	sa-8	7.80	8.00	9.4
GT11-06	sa-6	2.60	2.75	8.0
GT11-06	sa-7	3.00	3.27	8.1
GT11-06	sa-8	4.60	4.77	9.7
GT11-06	sa-10	9.47	9.62	11.4
GT11-06	sa-11	11.10	11.25	26.8
GT11-07	sa-2	1.50	1.93	8.5
GT11-08	sc3	1.30	1.50	8.9
GT11-08	sc4	2.25	2.45	8.5
GT11-08	sc6	4.67	4.84	9.6
GT11-08	sc9	6.50	6.65	6.4
GT11-09	sc3	1.22	1.38	5.4
GT11-09	sc4	1.50	1.75	6.8
GT11-09	sc8	5.08	5.25	10.8
GT11-09	sc10	8.20	8.30	12.5
GT11-09	sc13	12.55	12.70	14.8
GT11-10	SC3	1.40	1.58	25.4
GT11-10	SC4b	1.88	1.94	17.4

LP

31/10/2011

Checked

Date

Golder Associates Ltd.

500 - 4260 Still Creek Drive Burnaby, British Columbia Canada V5C 6C6
 Tel: (604) 296 4200 Fax: (604) 298 5253 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

WATER CONTENT DETERMINATIONReference(s)
ASTM D 4959

Client: AEM

Project No.: 11-1428-0011 Phase: 3000 Task: 3100

Project: MELIADINE OPTIONAL EVAL

Lab Schedule No.: 151

Location: NUNAVUT

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT11-10	SC6	3.00	3.20	10.5
GT11-10	SC7	3.80	4.00	6.9
GT11-10	SC9	6.15	6.28	16.3
GT11-11	SS2	0.75	0.90	12.8
GT11-11	SC4	2.09	2.23	12.3
GT11-11	SC7	6.50	6.75	7.8
GT11-13	ss2	0.68	0.90	11.5
GT11-13	sc4	1.85	2.10	8.7
GT11-14	SC3	2.01	2.17	8.2
GT11-14	SC5	4.82	4.95	8.8
GT11-15	SC4	1.85	2.01	6.0
GT11-15	SC8	8.12	8.31	7.6
GT11-15	SC12	13.50	13.70	7.8
GT11-16	SC5	1.80	2.33	5.3
GT11-16	SC10	6.33	6.49	7.1
GT11-16	SC13	10.86	10.98	5.1
GT11-17	SC3	1.92	2.06	10.9
GT11-17	SC5	4.79	4.97	9.4

LP

31/10/2011

Checked

Date

Golder Associates Ltd.

500 - 4260 Still Creek Drive Burnaby, British Columbia Canada V5C 6C6
Tel: (604) 296 4200 Fax: (604) 298 5253 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

Borehole ID	Sample ID	Water Decanted (g)	Previous WC (%)	Total Weight (g)	Dry Weight (g)	Real WC (%)	Inferred Ice Content*
GT11-01	SC9	22	6.0	583.17	550.16	10.00	4.0%
GT11-02	SC5a-T2	Does not Exist					-
	SC6-T2	60	9.6	548.50	500.46	21.59	12.0%
	SC7-T2	55	5.3	790.34	750.56	12.63	7.3%
GT11-03	SC-4b	197	10.1	47.31	42.97	468.56	458.5%
GT11-04	sa-4	130	26	643.32	510.57	51.46	25.5%
	sa-5	17	18.5	764.59	645.22	21.13	2.6%
	sa-7	5	5.8	2168.09	2049.23	6.04	0.2%
GT11-05	sa-3	383	20.8	89.13	73.78	539.89	519.1%
	sa-4	5	17.2	381.40	325.43	18.74	1.5%
	sa-5	22	7.5	814.11	757.31	10.41	2.9%
	sa-7	12	10	754.86	686.24	11.75	1.7%
GT11-06	sa-6	47	8	242.10	224.17	28.97	21.0%
GT11-07	sa-2	79	8.5	724.86	668.07	20.33	11.8%
GT11-08	sc3	390	8.9	301.98	277.30	149.54	140.6%
	sc4	235	8.5	593.70	547.19	51.45	42.9%
	sc6	75	9.6	1020.57	931.18	17.65	8.1%
GT11-09	sc3	150	5.4	320.65	304.22	54.71	49.3%
	sc4	250	6.8	435.86	408.11	68.06	61.3%
	sc10	15	12.5	661.87	588.33	15.05	2.5%
GT11-10	SC3	110	25.4	165.62	132.07	108.69	83.3%
	SC4b	80	17.4	20.74	17.67	470.24	452.8%
	SC7	50	6.9	681.13	637.17	14.75	7.8%
	SC9	17	16.3	672.39	578.15	19.24	2.9%
GT11-11	SC4	80	12.3	468.68	417.35	31.47	19.2%
GT11-12	SC5	Does not Exist					-
	SC8	Does not Exist					-
GT11-13	sc4	125	8.7	303.64	279.34	53.45	44.7%
GT11-14	SC3	16	8.2	644.60	595.75	10.89	2.7%
	SC5	17	8.8	639.84	588.09	11.69	2.9%
GT11-15	SC4	140	6	308.75	291.27	54.06	48.1%
GT11-16	SC5	20	5.3	367.67	349.16	11.03	5.7%
	SC13	20	5.1	617.49	587.53	8.50	3.4%
GT11-17	SC3	140	10.9	293.90	265.01	63.73	52.8%

* The inferred ice content is the percentage of water decanted from the collected sample (dry weight).



GOLDER ASSOCIATES LTD.
ATTN: Steve Kim
500 - 4260 Still Creek Drive
Burnaby BC V5C 6C6

Date Received: 27-OCT-11
Report Date: 01-NOV-11 16:41 (MT)
Version: FINAL

Client Phone: 604-298-6623

Certificate of Analysis

Lab Work Order #: L1077903
Project P.O. #: NOT SUBMITTED
Job Reference: 11-1428-0011
C of C Numbers:
Legal Site Desc:

Comments: There was insufficient volume of material submitted to process the requested analytical tests on L1077903-3.

Amber Springer
Account Manager

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ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
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[illegible]

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
CL-PASTE-COLOR-VA	Soil	Chloride in Soil (Paste) by Colourimetry	Carter-CSSS / APHA 4500-Cl E (modified)
A soil extract produced by the saturated paste extraction procedure is analyzed for chloride by ferricyanide colourimetry.			
MOISTURE-VA	Soil	Moisture content	ASTM D2974-00 Method A
This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.			
SAR-CALC-MGKG-ICP-VA	Soil	SAR in Soil (Paste) by ICPOES	Carter-CSSS / EPA 6010B (modified)
A soil extract produced by the saturated paste extraction procedure is analyzed for Sodium, Calcium, and Magnesium by ICPOES. Sodium Adsorption Ratio (SAR) is calculated as per "Soil Sampling and Methods of Analysis" by M. Carter.			
SAT-PCNT-VA	Soil	Saturation Percentage	Carter-CSSS
Saturation Percentage (SP) is the total volume of water present in a saturated paste (in mL) divided by the dry weight of the sample (in grams), expressed as a percentage, as described in "Soil Sampling and Methods of Analysis" by M. Carter.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg ww - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L1077903

Report Date: 01-NOV-11

Page 1 of 2

Client: GOLDER ASSOCIATES LTD.
500 - 4260 Still Creek Drive
Burnaby BC V5C 6C6

Contact: Steve Kim

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CL-PASTE-COLOR-VA		Soil						
Batch R2279059								
WG1377707-1	MB							
Chloride (Cl)			<5.0		mg/L		5	31-OCT-11
WG1379326-1	MB							
Chloride (Cl)			<5.0		mg/L		5	31-OCT-11
MOISTURE-VA		Soil						
Batch R2277755								
WG1378271-2	LCS							
Moisture			100.2		%		90-110	29-OCT-11
WG1378271-1	MB							
Moisture			<0.25		%		0.25	29-OCT-11
SAR-CALC-MGKG-ICP-VA		Soil						
Batch R2279175								
WG1377707-1	MB							
Sodium (Na)			<10		mg/L		10	31-OCT-11

Quality Control Report

Workorder: L1077903

Report Date: 01-NOV-11

Page 2 of 2

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

L1077903



TRANSMITTAL

DATE October 27, 2011

PROJECT No. 11-1428-0011

TO ALS Environmental
ALS Environmental
8081 Lougheed Hwy
Burnaby BC V5A 1W9

FROM Steve Kim/ Allison Isidoro

EMAIL skim@golder.com,
Allison_Isidoro@golder.com

GT11-01 SC6, GT11-02 SC5B-T2, AND GT11-11 SC5 – SAMPLE SIZE ANALYSIS

☐ **Mail/Express Post** (Select one)

☐ **Enclosed**

☒ **Same Day Courier** Corporate Courier

☐ **Picked Up**

☐ **Air Freight**

☐ **Hand Delivered**

☐ **Email**

☐ **FTP Site**

Quantity	Item	Description
3	Soil Sample	GT11-01 SC6, GT11-02 SC5b-T2, GT11-11 SC5

Notes

Samples for salinity testing

RYAN OCT 27 17:20 18°C

Please advise us if enclosures are not as described.

LR/LP/II

ACKNOWLEDGEMENT REQUIRED:

☒ **YES** (please email / fax to Golder Associates) ☐ **No**

c:\users\skim\desktop\aug-31-2011 transmittal - sample return.docx





GOLDER ASSOCIATES LTD.
ATTN: Steve Kim
500 - 4260 Still Creek Drive
Burnaby BC V5C 6C6

Date Received: 31-OCT-11
Report Date: 02-NOV-11 17:04 (MT)
Version: FINAL

Client Phone: 604-298-6623

Certificate of Analysis

Lab Work Order #: L1079109
Project P.O. #: NOT SUBMITTED
Job Reference: 11-1428-0011
C of C Numbers:
Legal Site Desc:

Amber Springer
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1079109-1 SOIL GT11-06 SA9				
Grouping	Analyte					
SOIL						
Physical Tests	Moisture (%)	8.49				
Saturated Paste Extractables	Chloride (Cl) (mg/kg)	510				
	% Saturation (%)	19.9				
	Sodium (Na) (mg/kg)	279				

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
CL-PASTE-COLOR-VA	Soil	Chloride in Soil (Paste) by Colourimetry	Carter-CSSS / APHA 4500-Cl E (modified)
A soil extract produced by the saturated paste extraction procedure is analyzed for chloride by ferricyanide colourimetry.			
MOISTURE-VA	Soil	Moisture content	ASTM D2974-00 Method A
This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.			
SAR-CALC-MGKG-ICP-VA	Soil	SAR in Soil (Paste) by ICPOES	Carter-CSSS / EPA 6010B (modified)
A soil extract produced by the saturated paste extraction procedure is analyzed for Sodium, Calcium, and Magnesium by ICPOES. Sodium Adsorption Ratio (SAR) is calculated as per "Soil Sampling and Methods of Analysis" by M. Carter.			
SAT-PCNT-VA	Soil	Saturation Percentage	Carter-CSSS
Saturation Percentage (SP) is the total volume of water present in a saturated paste (in mL) divided by the dry weight of the sample (in grams), expressed as a percentage, as described in "Soil Sampling and Methods of Analysis" by M. Carter.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg ww - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L1079109

Report Date: 02-NOV-11

Page 1 of 2

Client: GOLDER ASSOCIATES LTD.
500 - 4260 Still Creek Drive
Burnaby BC V5C 6C6

Contact: Steve Kim

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CL-PASTE-COLOR-VA		Soil						
Batch R2280164								
WG1379775-1	MB							
Chloride (Cl)			<5.0		mg/L		5	02-NOV-11
WG1380812-1	MB							
Chloride (Cl)			<5.0		mg/L		5	02-NOV-11
MOISTURE-VA		Soil						
Batch R2278945								
WG1379512-2	LCS							
Moisture			99.8		%		90-110	01-NOV-11
WG1379512-1	MB							
Moisture			<0.25		%		0.25	01-NOV-11
SAR-CALC-MGKG-ICP-VA		Soil						
Batch R2280105								
WG1379775-1	MB							
Sodium (Na)			<1.0		mg/L		1	02-NOV-11

Quality Control Report

Workorder: L1079109

Report Date: 02-NOV-11

Page 2 of 2

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



L1079109

TRANSMITTAL

DATE October 31, 2011

PROJECT No. 11-1428-0011

TO Amber Springer
ALS Global
8081 Lougheed Highway
Burnaby, BC. V5A 1W9

FROM Steve Kim
EMAIL skim@golder.com

GT11-06 SA9 – SALINITY TEST

☐ Mail/Express Post (Select one)☒ Same Day Courier Corporate Courier☐ Air Freight☐ Email☐ Enclosed☐ Picked Up☐ Hand Delivered☐ FTP Site

Quantity	Item	Description
1	Soil Sample	GT11-06 SA9

Notes

Please advise us if enclosures are not as described.

LR/LP/II

ACKNOWLEDGEMENT REQUIRED:

☒ YES (please email / fax to Golder Associates) ☐ NoRYAN OCT 31/2011 20⁰⁰ 14:00

Golder Associates Ltd.

500 - 4260 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6C6
Tel. +1 (604) 298 4200 Fax. +1 (604) 298 5253 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America





APPENDIX C

Thermistor Data and Photographs

Thermistor Cable Data Sheet

Customer: Golder Assoc., 500 – 4260 Still Creek Dr.

Bumaby, BC V5C 6C6

Contact: Ashley Engbloom

Project: Meliadine July '11

Date Ordered: 02-juin-11

Purchase Order No.: 0011/3000/3100

Serial No.: 26-1,2,3,4,5

Total Length (m.): 26

Lead Length(m.): 1

Termination: MS3106E20-29P

Thermistor Type: 44007

No. of Thermistors: 10

Shielded

Molded:

Number of Cables in Order: 5

[illegible]

PROJECT

AGNICO - EAGLE MINES LIMITED
MELIADINE PROJECT
NUNAVUT

TITLE

26-1, 26-2, 26-3, 26-4, 26-5
(GT11-07, GT11-02, GT11-05, GT11-08, GT11-01)
THERMISTOR CALIBRATION



PROJECT No. 11-1428-0011			PHASE No. 3100		
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C1		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-07

20K Ω Scale

Thermistor #: 26-1

200K Ω Scale

Logged by: JAB and ES

Project Number: 11-1428-0011

Borehole Location: B7

Project Name and Location: Meliadine

Installation Date: Aug 28, 2011

Borehole Condition: Water pond at time of installation

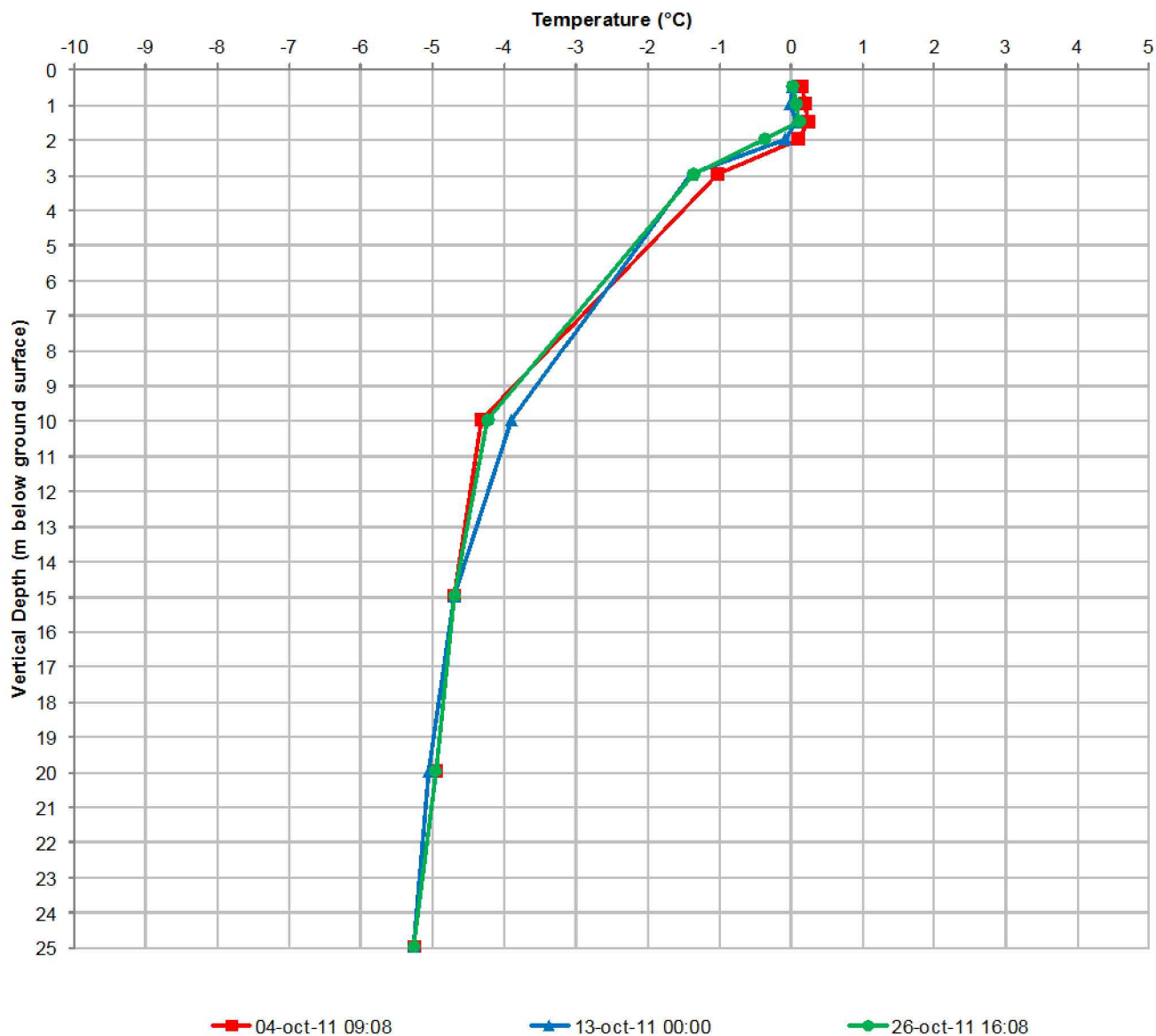
Time of first reading: 00:30

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation (scale 20k)	First Reading (scale 20k)
1	0.5	0.46	7.88	4.83
2	1	0.96	7.87	4.37
3	1.5	1.46	7.82	4.12
4	2	1.96	7.91	3.98
5	3	2.96	7.84	4.07
6	5	4.96	7.89	4.72
7	10	9.96	7.97	6.68
8	15	14.96	8.01	6.33
9	20	19.96	8.01	6.57
10	25	24.96	8.13	10.89

Additional Comments

PROJECT	AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT						
TITLE	26-1 (GT11-07) THERMISTOR INSTALLATION						
 Golder Associates Montréal, Québec	PROJECT No.		11-1428-0011		PHASE No.	3100	
	DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV.	0
	CADD	SB	20FEB2012	FIGURE C2			
	CHECK	PG	20FEB2012				
REVIEW	CC	20FEB2012					

GT11-07 Thermal Profile



PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		26-1 (GT11-07) THERMAL PROFILE			
		PROJECT No.		PHASE No.	
		11-1428-0011		3100	
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	
		REVIEW	CC	20FEB2012	
					FIGURE C3

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-02

20K Ω Scale

Thermistor #: 26-2

200K Ω Scale

Logged by: JAB and ES

Project Number: 11-1428-0011

Borehole Location: B7

Project Name and Location: Meliadine

Installation Date: Sep 4, 2011

Borehole Condition: Water pond at time of installation

Time of first reading: 15:30

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation on Aug 31 2011	Reading Prior installation on Sep 4 2011	First Reading
1	0	0	7.68	8.28	5.79
2	0.5	0.5	7.72	8.3	7.44
3	1	1	7.73	8.13	9.19
4	1.5	1.5	7.7	8.44	9.73
5	2	2	7.64	8.3	10.77
6	3	3	7.93	8.17	12.18
7	5	5	8.19	8.89	13.84
8	10	10	7.7	8.83	15.37
9	15	15	7.83	8.56	16.92
10	20	20	7.26	8.2	20.8
11	25	25	-	-	-

Additional Comments

PROJECT

AGNICO - EAGLE MINES LIMITED
MELIADINE PROJECT
NUNAVUT

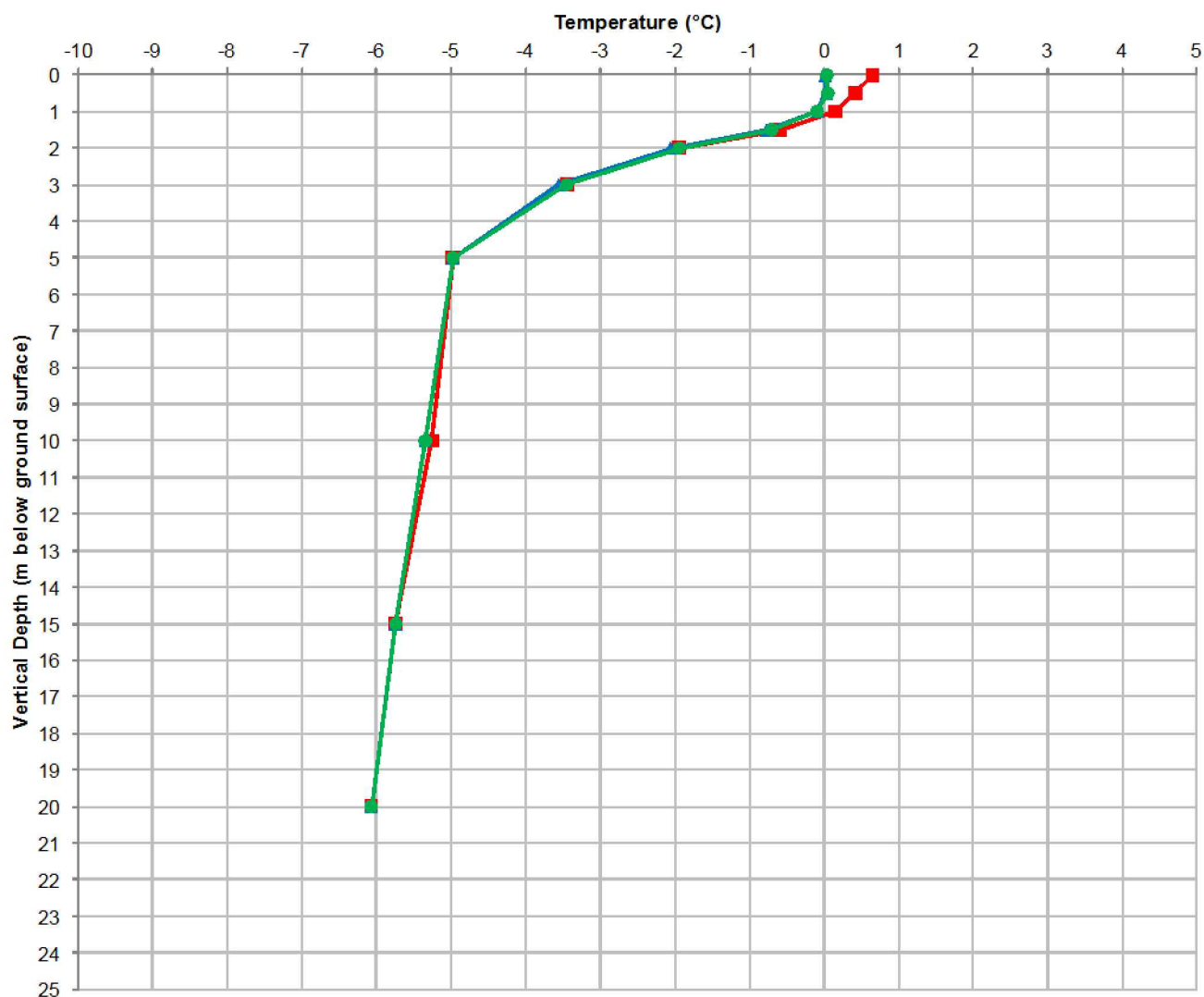
TITLE

26-2 (GT11-02)
THERMISTOR INSTALLATION

Montréal, Québec

PROJECT No.			PHASE No.		
11-1428-0011			3100		
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C4		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			

GT11-02 Thermal Profile



04-oct-11 11:16

13-oct-11 00:00

27-oct-11 10:36

PROJECT

AGNICO - EAGLE MINES LIMITED
MELIADINE PROJECT
NUNAVUT

TITLE

26-2 (GT11-02)
THERMAL PROFILE



PROJECT No.		11-1428-0011	PHASE No.		3100
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C5		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-05

20K Ω Scale

Thermistor #: 26-3

200K Ω Scale

Logged by: JAB and ES

Project Number: 11-1428-0011

Borehole Location: B7

Project Name and Location: Meliadine

Installation Date: Aug 30/11

Borehole Condition: Water pond at time of installation

Time of first reading: 20hr25

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation (scale 20k)	First Reading (scale 20k)
1	0.50	0.1	8.53	7.96
2	1.00	0.6	8.67	7.27
3	1.50	1.1	8.45	7.82
4	2.00	1.6	8.53	8.44
5	3.00	2.6	8.56	10.29
6	5.00	4.6	8.79	11.08
7	10.00	9.6	8.72	12.29
8	15.00	14.6	8.61	17.88
9	20.00	19.6	8.35	19.20
10	25.00	24.6	8.08	21.6

Additional Comments

PROJECT

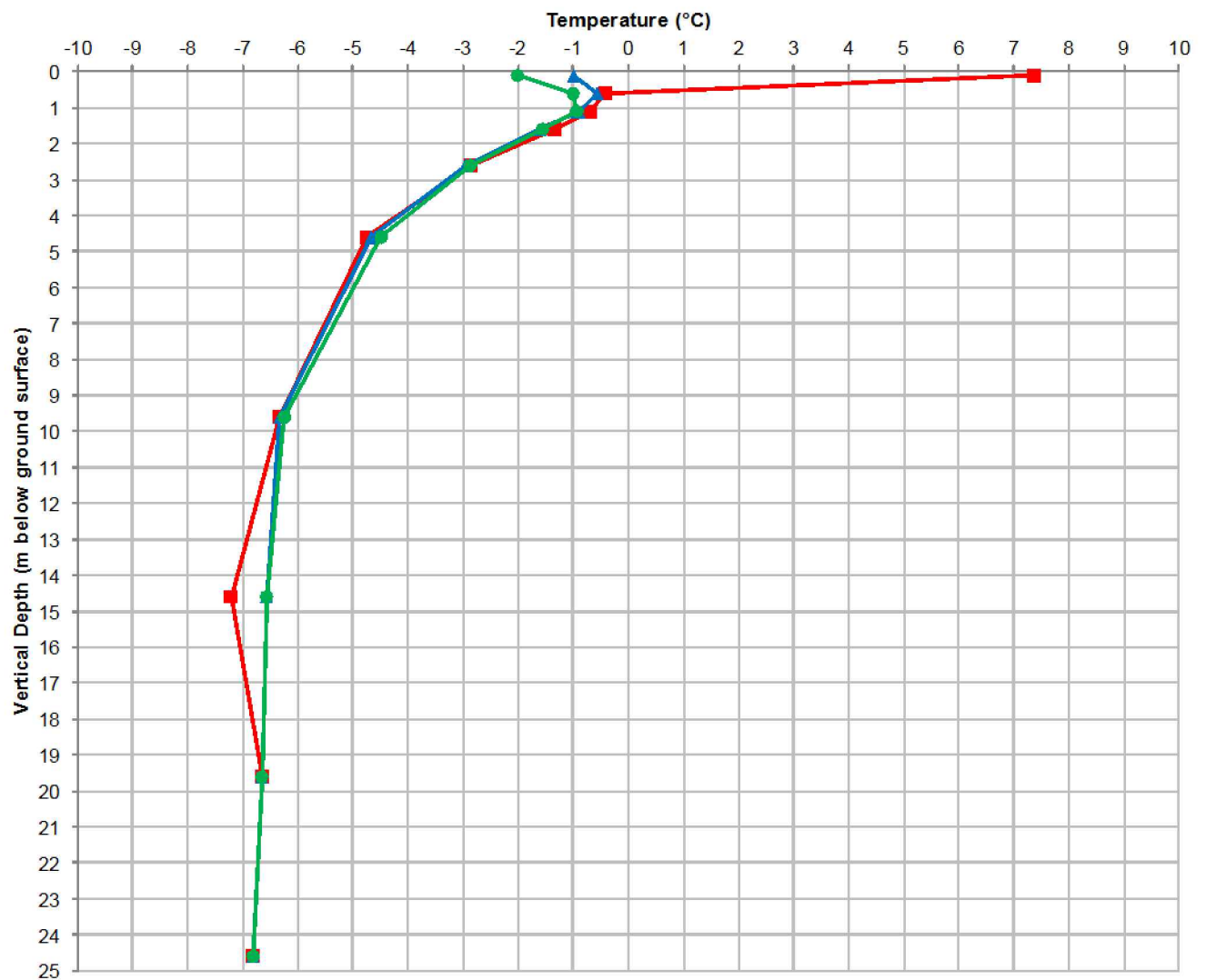
AGNICO - EAGLE MINES LIMITED
MELIADINE PROJECT
NUNAVUT

TITLE

26-3 (GT11-05)
THERMISTOR INSTALLATION

PROJECT No.			PHASE No.		
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C6		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			

GT11-05 Thermal Profile



04-oct-11 11:41

13-oct-11 00:00

27-oct-11 10:53

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		26-3 (GT11-05) THERMAL PROFILE			
		PROJECT No.	11-1428-0011	PHASE No.	3100
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	
		REVIEW	CC	20FEB2012	
		FIGURE C7			

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-08

Thermistor #: 26-4

Logged by: JAB and NP

Project Number: 11-1428-0011

Borehole Location: B7

20K Ω Scale

Project Name and Location: Meliadine

Installation Date: 8 sept. 2011

200K Ω Scale

Borehole Condition: Water pond at time of installation

Time of first readi 9 sept. 2011 at 10h50

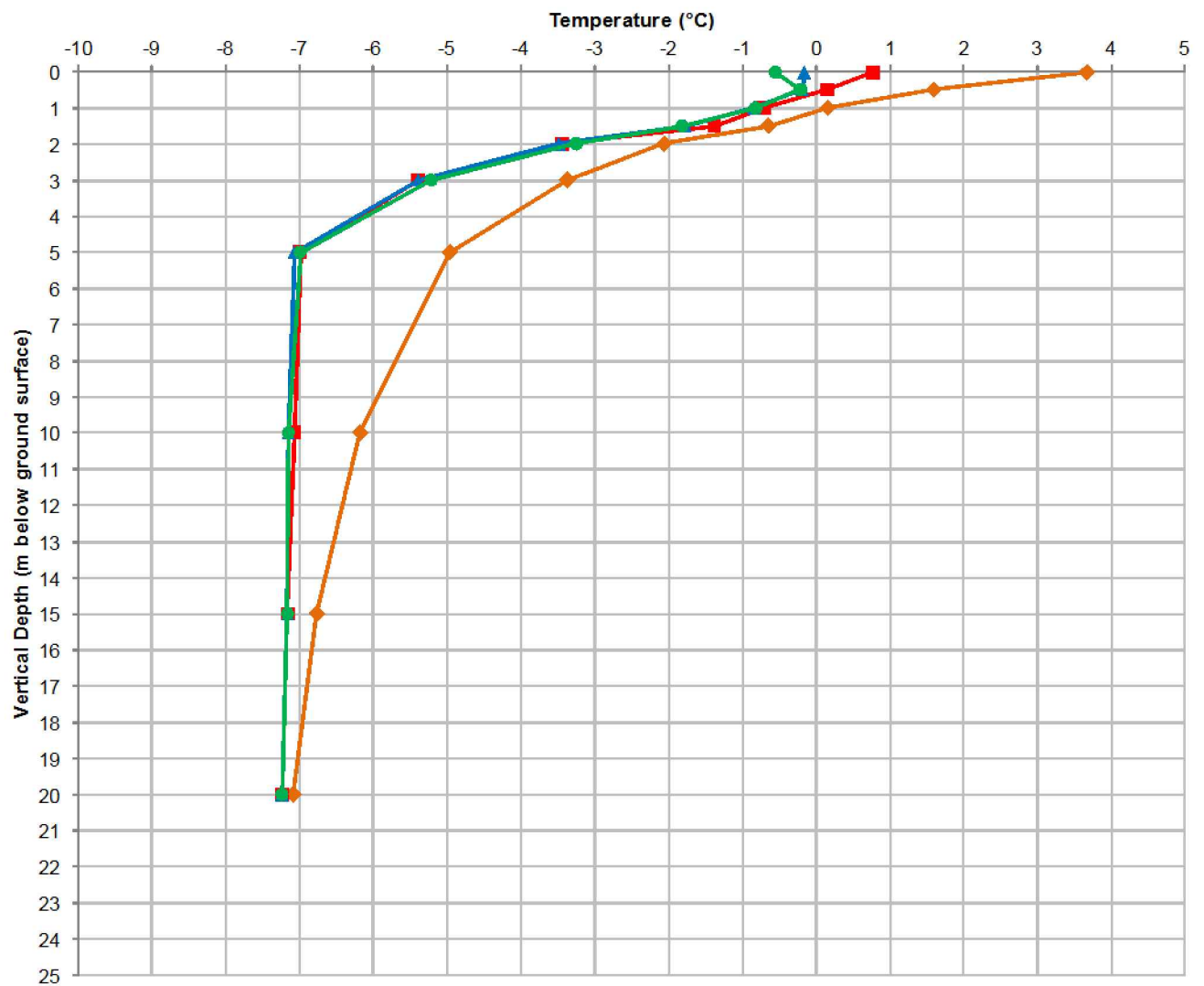
Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation (8 sept 2011 17h35 by NP) (scale 20k)	First Reading (9 sept. 10h50 by NP) (scale 20k)
1	0	0.01 (out of ground)	8.41	9.94
2	0.5	0.49	8.52	11.39
3	1	0.99	8.46	13.28
4	1.5	1.49	8.53	14.75
5	2	1.99	8.46	16.45
6	3	2.99	8.52	17
7	5	4.99	8.43	18.19
8	10	9.99	8.42	19.29
9	15	14.99	8.61	20.1
10	20	19.99	8.48	21.3
11	25	24.99		

Additional Comments

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		26-4 (GT11-08) THERMISTOR INSTALLATION			
PROJECT No.		11-1428-0011		PHASE No. 3100	
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C8		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			



GT11-08 Thermal Profile



12-sept-11 00:00

04-oct-11 09:35

13-oct-11 00:00

26-oct-11 16:27

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		26-4 (GT11-08) THERMAL PROFILE			
		PROJECT No.		PHASE No.	
		11-1428-0011		3100	
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	
		REVIEW	CC	20FEB2012	
		FIGURE C9			

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-01

20K Ω Scale

Thermistor #: 26-5

200K Ω Scale

Logged by: JAB and ES

Project Number: 11-1428-0011

Borehole Location: B7

Project Name and Location: Meliadine

Installation Date: sept. 5 2011

Borehole Condition:

Time of first reading:

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation Sep 5 2011, 11:43AM	First Reading
1	0.5	0.07 (cable is twisted on top)	7.44	
2	1	0.19	6.93	
3	1.5	0.69	7.23	
4	2	1.19	7.32	
5	2.5	1.69	7.29	
6	3	2.19	7.43	
7	5	4.19	7.11	
8	10	9.19	6.6	
9	15	14.19	7.33	
10	20	19.19	6.64	
11	25	24.19		

Additional Comments

The thermistor did not reach the bottom of the hole probably due to caving. The first node was 0.31 m higher than ground, so the 000 was 0.81 m higher than ground. The thermistor cable was twisted to fit in the casing so the first node is 0.07 m lower than ground level.

Those comments were made on september 8, 2011 after I placed the Pelican box and try to ajust the position of the thermistor. It was impossible to move the thermistor.

Comments by Nicolas Pépin

PROJECT

AGNICO - EAGLE MINES LIMITED
MELIADINE PROJECT
NUNAVUT

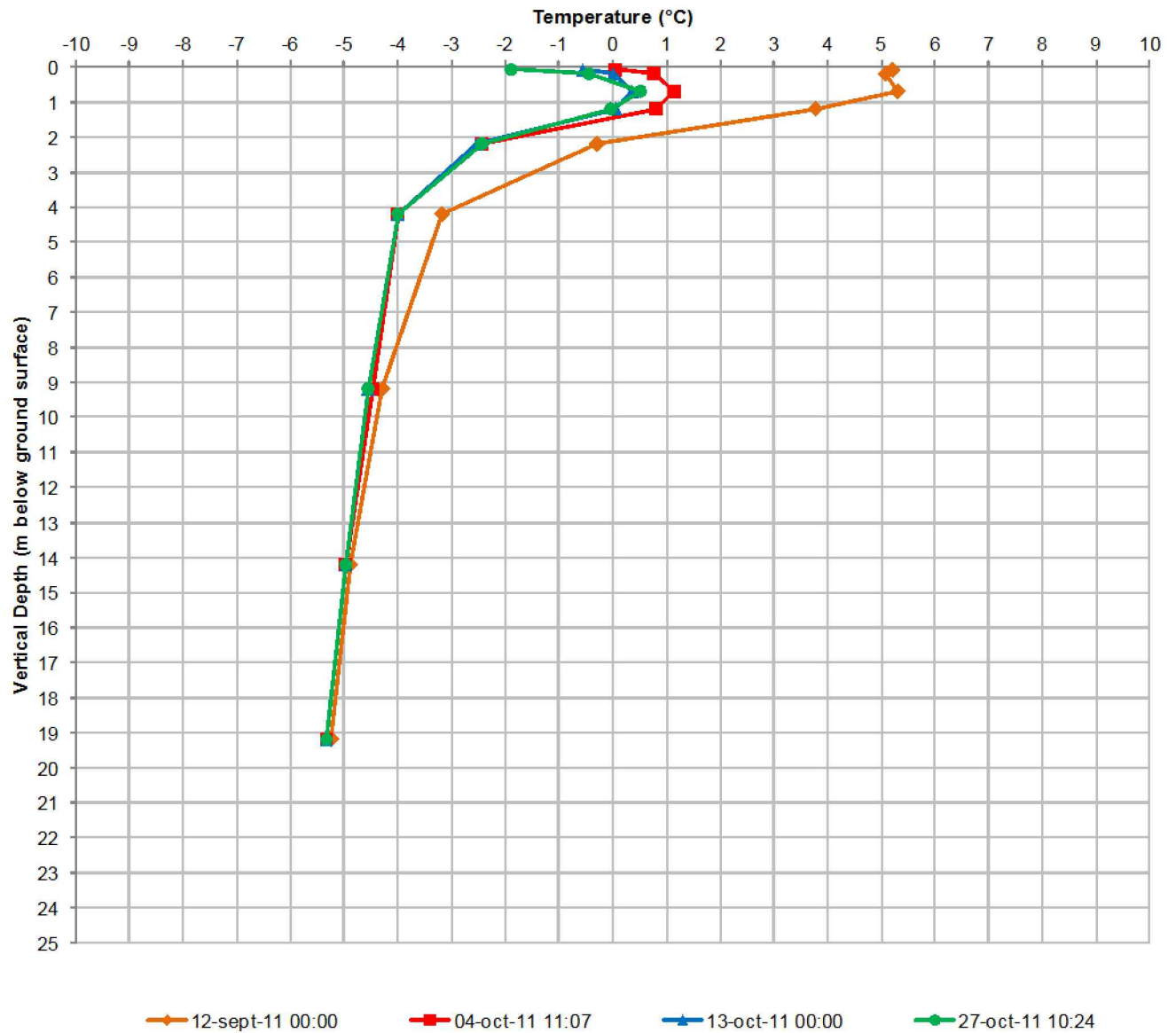
TITLE

26-5 (GT11-01)
THERMISTOR INSTALLATION



PROJECT No.		11-1428-0011	PHASE No.		3100
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C10		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			

GT11-01 Thermal Profile



12-sept-11 00:00

04-oct-11 11:07

13-oct-11 00:00

27-oct-11 10:24

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		26-5 (GT11-01) THERMAL PROFILE			
		PROJECT No.	11-1428-0011	PHASE No.	3100
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	
		REVIEW	CC	20FEB2012	
		FIGURE C11			



M-Squared Instruments

144 West Terrace Cres.
Cochrane, AB. T4C-1R3

Ph. 403-560-7079
msquaredinstruments@gmail.com

Thermistor Cable Data Sheet

Customer: Comaplex Minerals Corp., 901 - 1015 4 St. SW

Calgary, AB., T2R1J4

Contact: Mark Balog

Project: Meliadine

Date Ordered: 03-juil-09

Purchase Order No.: 0914260015-3610

Serial No.: TW09-06

Total Length (m.): 26.5

Lead Length(m.): 1.5

Termination: MS3106E20-29P

Thermistor Type: YSI 44007 / 34

No. of Thermistors: 10

Shielded: No

Molded: No

Number of Cables in Order: 16

T. No.	Colour Code	Depth	Pin No.	kOhms@ 0 deg. C.
1	YW	0.50	A	16.32
	WH		M	
2	BK	1.00	B	16.3
	WH		M	
3	BU	1.50	C	16.3
	WH		M	
4	GN	2.00	D	16.32
	WH		M	
5	RD	2.50	E	16.32
	WH		M	
6	GY	3.00	F	16.34
	WH		M	
7	BN	5.00	G	16.32
	WH		M	
8	PK	10.00	H	16.35
	WH		M	
9	OR	15.00	J	16.39
	WH		M	
10	PU	25.00	K	16.34
	WH		M	

PROJECT	AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE	TW09-06 (GT11-17) THERMISTOR CALIBRATION			
 Golder Associates Montréal, Québec	PROJECT No. 11-1428-0011		PHASE No. 3100	
	DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
	CADD	SB	20FEB2012	FIGURE C12
	CHECK	PG	20FEB2012	
REVIEW	CC	20FEB2012		

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-17

20K Ω Scale

Thermistor #: TW09-06

200K Ω Scale

Logged by: JAB, NP and CM

Project Number: 11-1428-0011

Borehole Location: B7 West

Project Name and Location: Meliadine

Installation Date: 2011-09-18

Borehole Condition:

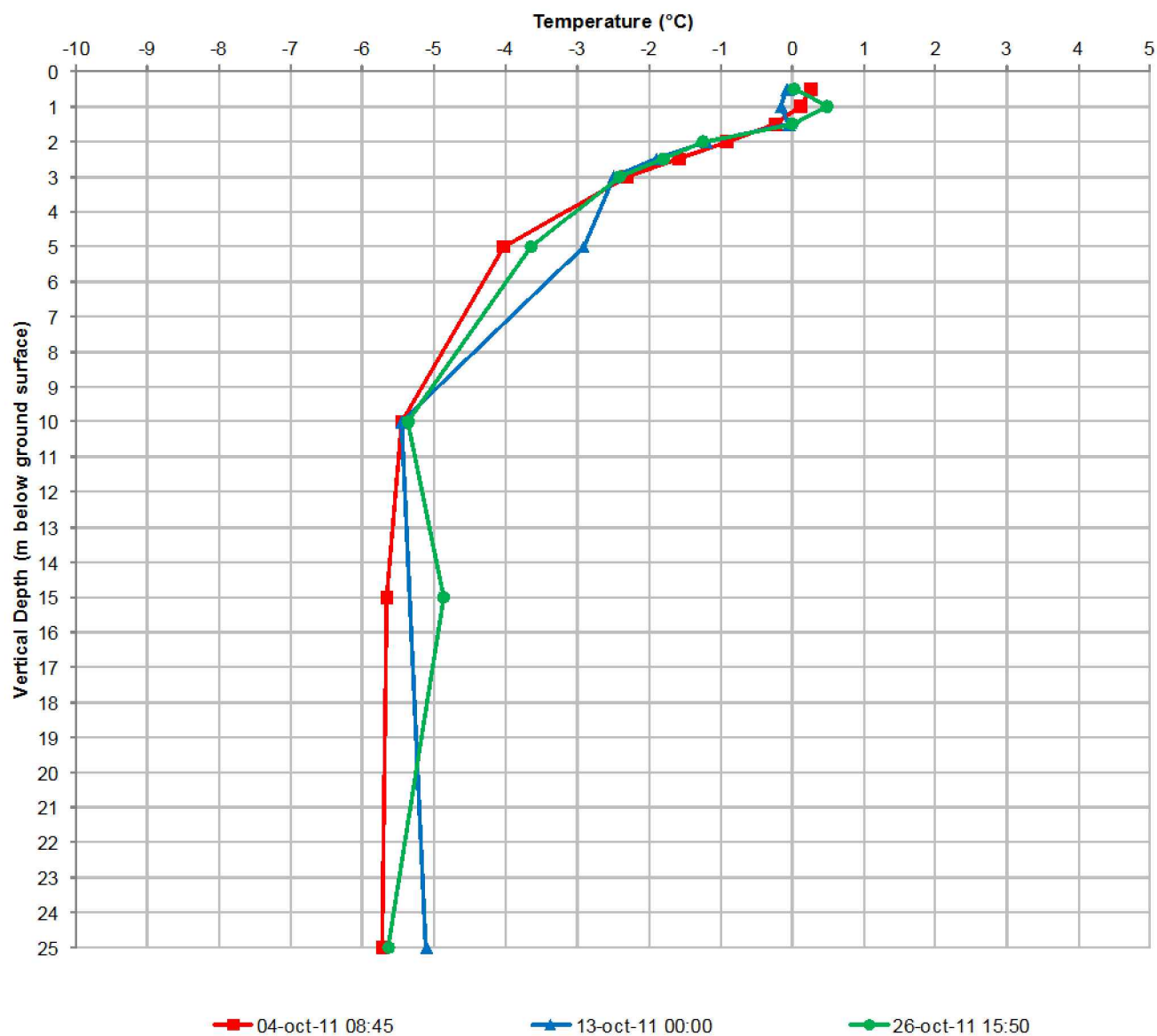
Time of first reading: 1h45 am

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation on Sept 8 2011	Reading Prior installation on Sep 17 2011	First Reading
1	0.5	0.5	8.96	12.3	8.02
2	1	1	8.92	12.5	8.34
3	1.5	1.5	8.99	12.5	9.60
4	2	2	8.98	12.5	10.28
5	2.5	2.5	9.1	12.6	10.25
6	3	3	9.02	12.6	10.28
7	5	5	9.07	12.7	10.03
8	10	10	9.08	12.7	12.10
9	15	15	8.84	12.7	13.78
10	25	25	9	12.7	15.95
11	-		-		

Additional Comments

PROJECT	AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT					
TITLE	TW09-06 (GT11-17) THERMISTOR INSTALLATION					
	PROJECT No.		11-1428-0011		PHASE No.	3100
	DESIGN	PG	20FEB2012		SCALE	NO SCALE
	CADD	SB	20FEB2012		REV.	0
	CHECK	PG	20FEB2012		FIGURE C13	
	REVIEW	CC	20FEB2012			

GT11-17 Thermal Profile



Drawing File: N:\Actif\2011\1428\11-1428-0011 Agnico-Eagle - Meliadine\4-Cad-GIS\1114280011-17.dwg 29 mai 2012 09:44:24 By: sbetnesky

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		TW09-06 (GT11-17) THERMAL PROFILE			
		PROJECT No.		PHASE No.	
		11-1428-0011		3100	
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	
		REVIEW	CC	20FEB2012	
					FIGURE C14



M-Squared Instruments

144 West Terrace Cres.
Cochrane, AB. T4C-1R3

Ph. 403-560-7079
msquaredinstruments@gmail.com

Thermistor Cable Data Sheet

Customer: Comaplex Minerals Corp., 901 - 1015 4 St. SW

Calgary, AB., T2R1J4

Contact: Mark Balog

Project: Meliadine

Date Ordered: 03-juil-09

Purchase Order No.: 0914260015-3400

Serial No.: TW09-11

Total Length (m.): 21.5

Lead Length(m.): 1.5

Termination: MS3106E20-29P

Thermistor Type: YSI 44007 / 34

No. of Thermistors: 10

Shielded: No

Molded: No

Number of Cables in Order: 16

T. No.	Colour Code	Depth	Pin No.	kOhms@ 0 deg. C.
1	YW	0.50	A	16.29
	WH		M	
2	BK	1.00	B	16.39
	WH		M	
3	BU	1.50	C	16.32
	WH		M	
4	GN	2.00	D	16.3
	WH		M	
5	RD	2.50	E	16.38
	WH		M	
6	GY	3.00	F	16.3
	WH		M	
7	BN	5.00	G	16.32
	WH		M	
8	PK	10.00	H	16.33
	WH		M	
9	OR	15.00	J	16.3
	WH		M	
10	PU	20.00	K	16.29
	WH		M	

PROJECT	AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE	TW09-11 (GT11-14) THERMISTOR CALIBRATION			
	PROJECT No.	11-1428-0011	PHASE No.	3100
	DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
	CADD	SB	20FEB2012	FIGURE C15
	CHECK	PG	20FEB2012	
	REVIEW	CC	20FEB2012	

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-14

20K Ω Scale

Thermistor #: TE09-11

200K Ω Scale

Logged by: JAB and NP

Project Number: 11-1428-0011

Borehole Location: B7 West

Project Name and Location: Meliadine

Installation Date: 2011-09-14

Borehole Condition: Water pond at time of installation

Time of first reading: 06:46

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation on Sep 8 2011	Reading Prior installation on Sep 14 2011	First Reading
1	0.5	0.05	8.93	13.8	5.39
2	1	0.55	8.99	13.7	8.04
3	1.5	1.05	9.05	14.7	9.11
4	2	1.55	9.07	13.6	9.98
5	2.5	2.05	8.84	13.6	10.03
6	3	2.55	9.09	14.0	9.97
7	5	4.55	8.7	13.7	9.04
8	10	9.55	8.99	13.8	10.28
9	15	14.55	9.05	13.4	10.50
10	20	19.55	8.75	13.6	14.16
11	-		-		

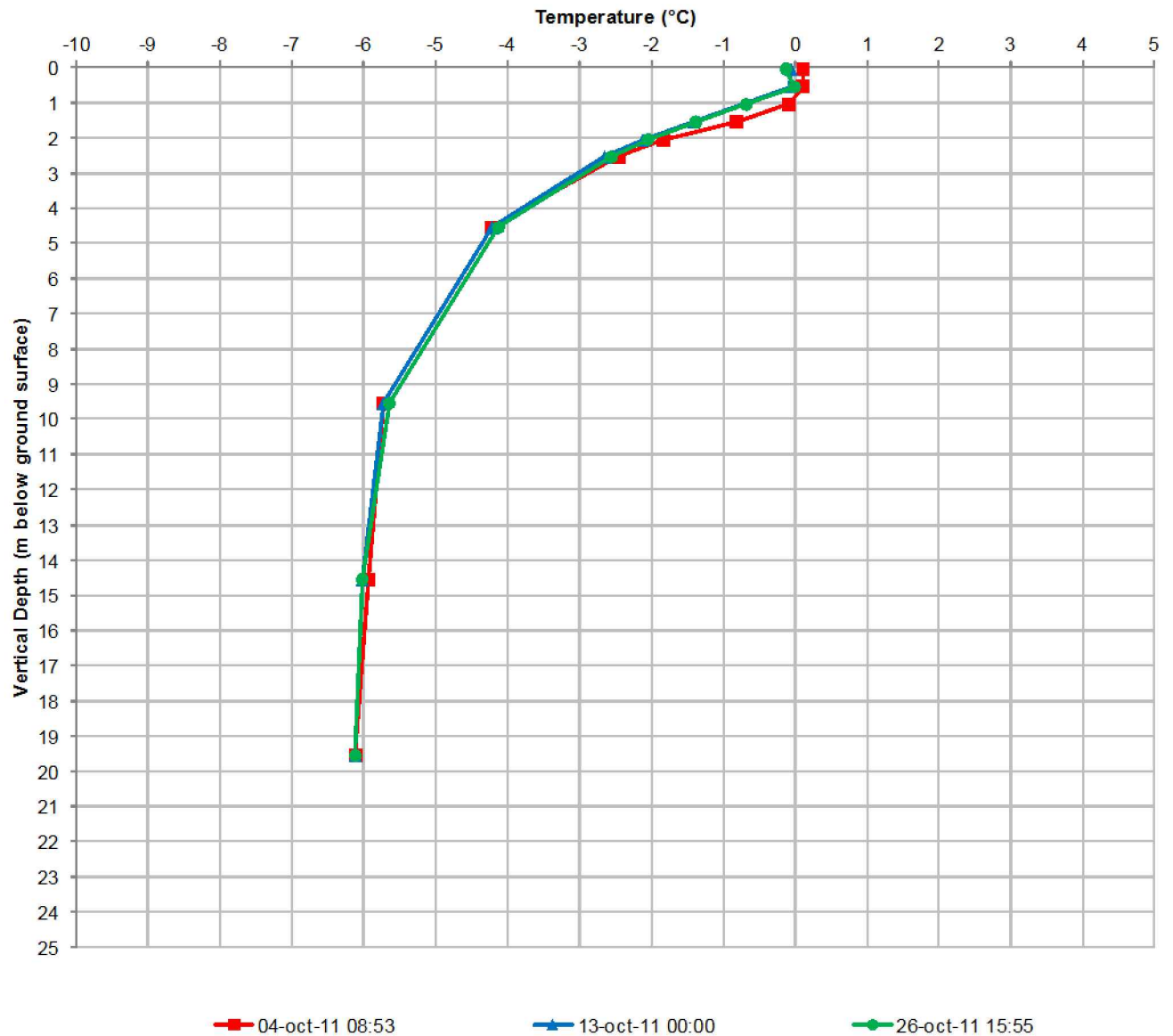
Additional Comments

000 located at +0.45m above ground surface because of depth of hole reduced by 1m core lost in the hole.

Drawing File: N:\Actif\2011\1428\11-1428-0011 Agnico-Eagle - Meliadine\4-Cad-GIS\1114280011-17.dwg 29 mai 2012 09:44:24 By: sbetnesky

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		TW09-11 (GT11-14) THERMISTOR INSTALLATION			
 Montréal, Québec		PROJECT No.		11-1428-0011	
		DESIGN		PG	20FEB2012
		CADD		SB	20FEB2012
		CHECK		PG	20FEB2012
		REVIEW		CC	20FEB2012
		PHASE No.		3100	
		SCALE		NO SCALE	REV. 0
		FIGURE C16			

GT11-14 Thermal Profile



04-oct-11 08:53

13-oct-11 00:00

26-oct-11 15:55

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		TW09-11 (GT11-14) THERMAL PROFILE			
		PROJECT No.		PHASE No.	
		11-1428-0011		3100	
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	
		REVIEW	CC	20FEB2012	
		FIGURE C17			



M-Squared Instruments

144 West Terrace Cres.
Cochrane, AB. T4C-1R3

Ph. 403-560-7079
msquaredinstruments@gmail.com

Thermistor Cable Data Sheet

Customer: Comaplex Minerals Corp., 901 - 1015 4 St. SW

Calgary, AB., T2R1J4

Contact: Mark Balog

Project: Meliadine

Date Ordered: 03-juil-09

Purchase Order No.: 0914260015-3400

Serial No.: TW09-13

Total Length (m.): 21.5

Lead Length(m.): 1.5

Termination: MS3106E20-29P

Thermistor Type: YSI 44007 / 34

No. of Thermistors: 10

Shielded: No

Molded: No

Number of Cables in Order: 16

T. No.	Colour Code	Depth	Pin No.	kOhms@ 0 deg. C.
1	YW	0.50	A	16.32
	WH		M	
2	BK	1.00	B	16.33
	WH		M	
3	BU	1.50	C	16.33
	WH		M	
4	GN	2.00	D	16.32
	WH		M	
5	RD	2.50	E	16.33
	WH		M	
6	GY	3.00	F	16.38
	WH		M	
7	BN	5.00	G	16.32
	WH		M	
8	PK	10.00	H	16.28
	WH		M	
9	OR	15.00	J	16.31
	WH		M	
10	PU	20.00	K	16.29
	WH		M	

PROJECT	AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE	TW09-13 (GT11-12) THERMISTOR CALIBRATION			
 Golder Associates Montréal, Québec	PROJECT No. 11-1428-0011		PHASE No. 3100	
	DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
	CADD	SB	20FEB2012	FIGURE C18
	CHECK	PG	20FEB2012	
	REVIEW	CC	20FEB2012	

RECORD OF THERMISTOR INSTALLATION

Borehole #: GT11-12

20K Ω Scale

Thermistor #: TW09-13

200K Ω Scale

Logged by: CM and NP

Project Number: 11-1428-0011

Borehole Location: B7 West

Project Name and Location: Meliadine

Installation Date: 12-sept-11

Borehole Condition: Water pond at time of installation

Time of first reading: 8h15 AM

Node #	Node Interval (m)	Node Depth (m)	Reading Prior installation on Sep 8 2011	Reading Prior installation on Sep 11 2011	First Reading on Sept 12 2011 at 8h15AM
1	0.5	0.5	7.42	15.08	10.96
2	1	1	7.72	15.14	11.01
3	1.5	1.5	7.88	15.11	11.36
4	2	2	8.09	15.14	12.05
5	2.5	2.5	8.13	15.2	12.64
6	3	3	7.9	15.26	12.92
7	5	5	8.15	15.14	13.14
8	10	10	7.96	15.16	13.84
9	15	15	7.71	15.12	15.29
10	20	20	8.07	15.16	16.31
11	-		-	-	-

Additional Comments

PROJECT

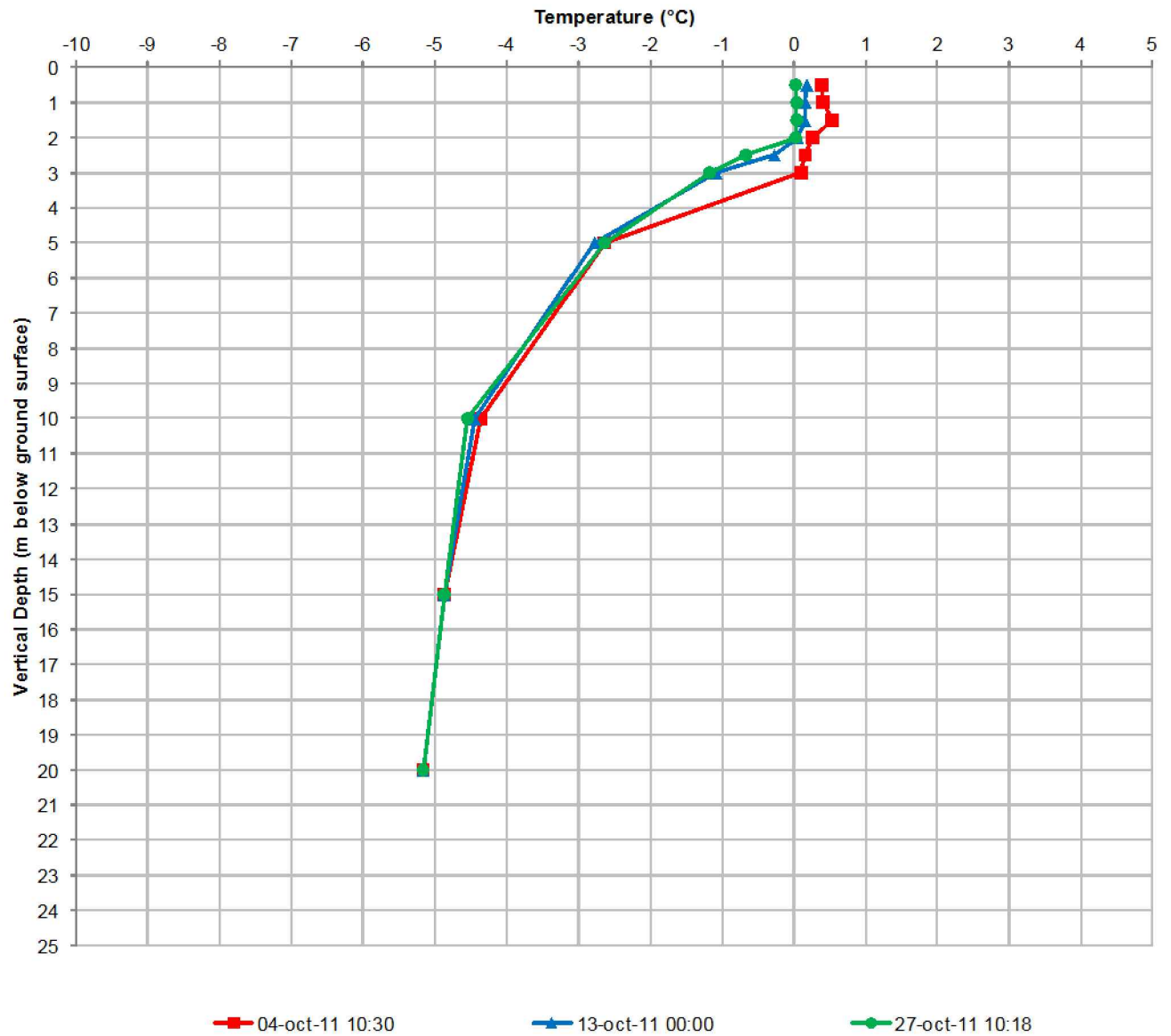
AGNICO - EAGLE MINES LIMITED
MELIADINE PROJECT
NUNAVUT

TITLE

TW09-13 (GT11-12)
THERMISTOR INSTALLATION

PROJECT No. 11-1428-0011			PHASE No. 3100		
DESIGN	PG	20FEB2012	SCALE	NO SCALE	REV. 0
CADD	SB	20FEB2012	FIGURE C19		
CHECK	PG	20FEB2012			
REVIEW	CC	20FEB2012			

GT11-12 Thermal Profile

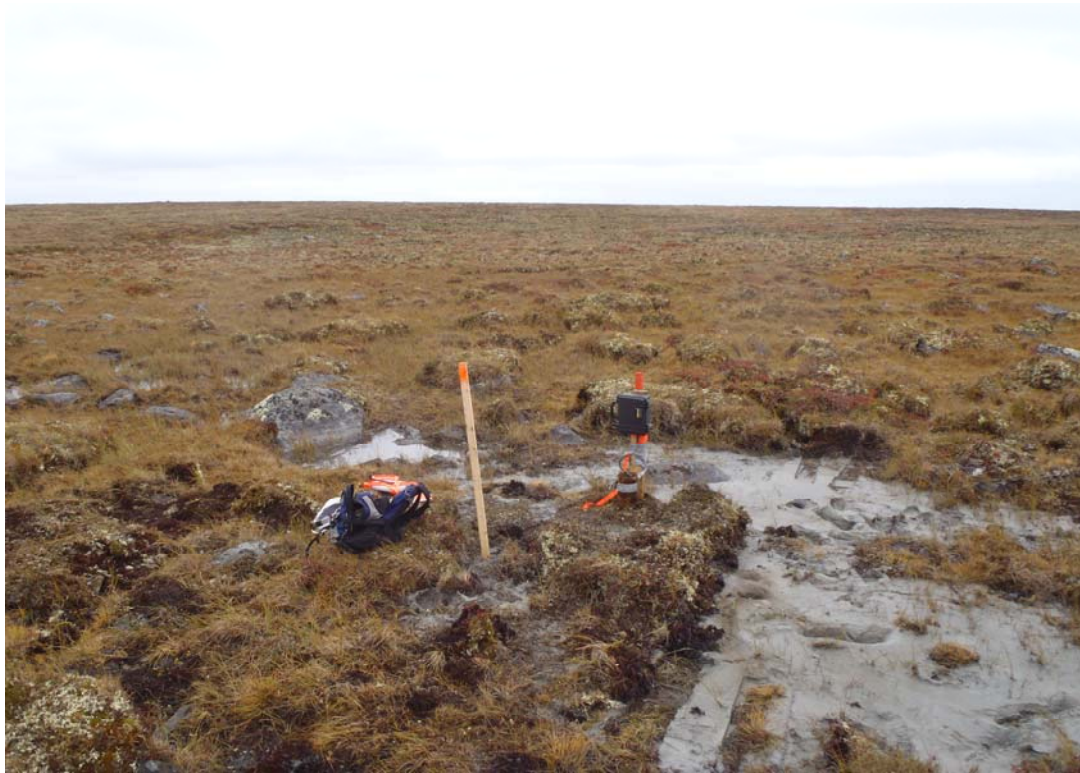


04-oct-11 10:30

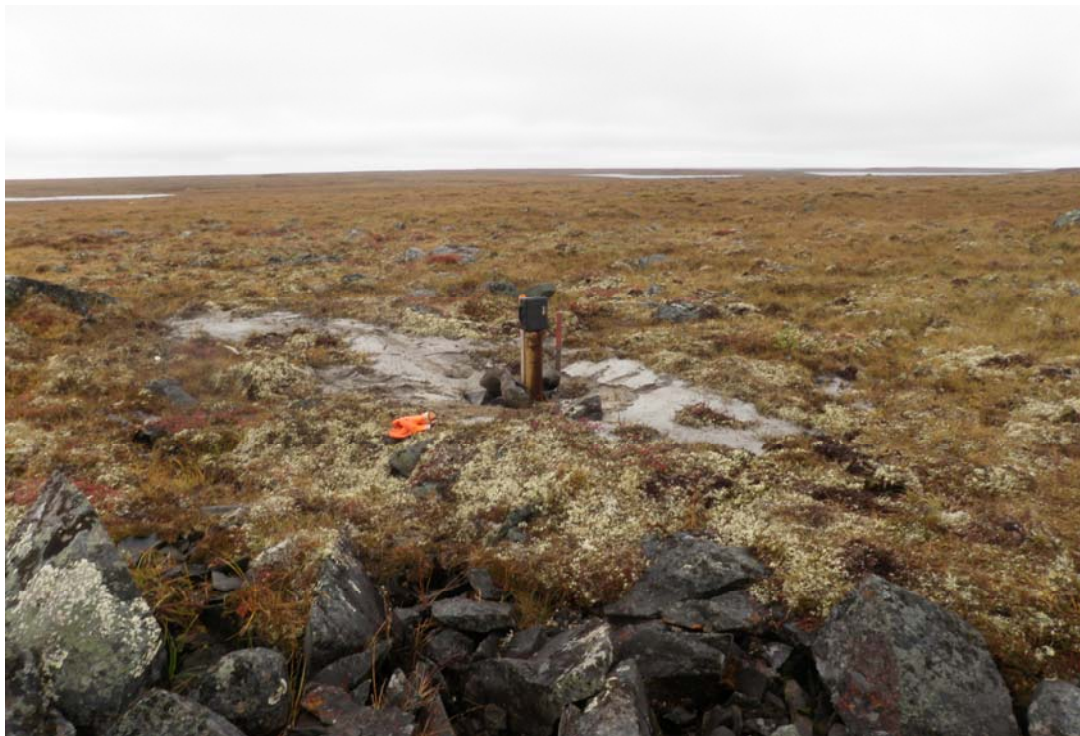
13-oct-11 00:00

27-oct-11 10:18

PROJECT		AGNICO - EAGLE MINES LIMITED MELIADINE PROJECT NUNAVUT			
TITLE		TW09-13 (GT11-12) THERMAL PROFILE			
		PROJECT No.		PHASE No.	
		11-1428-0011		3100	
		DESIGN	PG	20FEB2012	SCALE NO SCALE REV. 0
		CADD	SB	20FEB2012	
		CHECK	PG	20FEB2012	FIGURE C20
		REVIEW	CC	20FEB2012	



PHOTOGRAPH 1: Looking W at GT11-01 Thermistor installation.



PHOTOGRAPH 2: Looking S at GT11-02 Thermistor installation.

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PHOTOGRAPH 3: Looking at GT11-05 Thermistor installation.



PHOTOGRAPH 4: Looking SE at GT11-07 Thermistor installation.

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PHOTOGRAPH 5: Looking E at GT11-12 Thermistor installation.

At Golder Associates we strive to be the most respected global company providing consulting, design, and construction services in earth, environment, and related areas of energy. Employee owned since our formation in 1960, our focus, unique culture and operating environment offer opportunities and the freedom to excel, which attracts the leading specialists in our fields. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees who operate from offices located throughout Africa, Asia, Australasia, Europe, North America, and South America.

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