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FINAL REPORT

SD 2-4B Factual Report on 2012 Geotechnical Drilling Program - Meliadine Gold Project, Nunavut

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REPORT

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1.0 INTRODUCTION

Agnico-Eagle Mines Ltd. (AEM) retained Golder Associates Ltd. (Golder) to collect information on soil, shallow bedrock, permafrost, ground ice, and thermal conditions and to provide site engineering services for the 2012 geotechnical drilling program for the proposed tailings storage facilities (TSF), waste and water management areas, and the industrial site area at the Meliadine Gold Project (the Project).

Agnico-Eagle Mines Ltd. is currently evaluating the feasibility of developing the Project. The Project is located in the province of Nunavut, centered at approximately 63 degrees 1 minute North latitude and 92 degrees 12 minutes West longitude, within the Zone 15 of the North American Datum of 1983 (NAD83). The central meridian for Zone 15 is at 93 degrees West longitude.

Current access to the property is by air. Rankin Inlet, the closest town, is located approximately 25 kilometres to the south, on the western shore of Hudson Bay. Rankin Inlet acts as a staging post for transhipment of samples and personnel. Development of the Project will include an all-weather road from Rankin Inlet to the project site.

This report has been prepared in accordance with the **"Study Limitations of this report"** which are presented at the beginning of this report. The reader's attention is specifically drawn to this information for reference during the use of this report.

2.0 SCOPE OF WORK

The scope of work for the geotechnical investigation was first described in Golder's April 11, 2012 proposal. Scope Change 048, dated April 19, 2012, provided an amendment to the approved scope of work to AEM PO # 217 096 and Golder Proposal P013730076 including Addendum dated February 11, 2012.

The scope of work was to carry out a field investigation of a series of boreholes laid out by AEM to characterize the subsurface geotechnical conditions for specific infrastructure that will be developed as part of the mine development. Specifically, the investigations focussed on the proposed locations for tailings, waste and water management areas and industrial areas. Golder provided site personnel to supervise the drilling of 53 geotechnical boreholes to sample soil, permafrost, and rock and the installation of four thermistor cables. Where sample recovery was poor or abundant fine grained materials were present, the driving of standard penetration test (SPT) sampling equipment was completed

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 drilling mud to stabilize the materials, and the ability and the experience of the driller working with the engineer in charge. The methodology was successful in obtaining samples of the frozen materials and ice.

The boreholes were advanced to a minimum of two runs or approximately 3 m into bedrock. The four boreholes with thermistor instrumentation were advanced to the length required to install the thermistor cable, typically 21 m.

The investigations included the following activities:

- Fifty-three geotechnical boreholes were drilled to characterize the soil and bedrock conditions at proposed locations for tailings, waste and water management, and industrial site areas.
- Twenty-one boreholes (GT12-04, GT12-05, GT12-06, GT12-07, GT12-08, GT12-09, GT12-10, GT12-11, GT12-12, GT12-14, GT12-15, GT12-16, GT12-17, GT12-18, GT12-20, GT12-21, GT12-22, GT12-23, GT12-24, GT12-25, and GT12-40) were drilled to investigate the TSF area.
- Six boreholes (GT12-41, GT12-42, GT12-43, GT12-44, GT12-45, and GT12-46) were drilled to investigate the C Basin dike area.
- Four boreholes (GT12-60, GT12-63, GT12-64, and GT12-69) were drilled to investigate the Mill area.
- Three boreholes (GT12-28, GT12-29, and GT12-30) were drilled to investigate the B7-D-02 dike area.
- Two boreholes (GT12-36 and GT12-37) were drilled to investigate the P-D-01 dike area, and borehole GT12-35 was drilled to investigate the P-D-02 dike area.
- Two boreholes (GT12-26 and GT12-27) were drilled to investigate the B5-D-01 dike area.
- Two boreholes (GT12-38 and GT12-39) were drilled to investigate the F-D-02 dike area.
- Borehole GT12-31 was drilled to investigate the B4-D-02 dike area, and borehole GT12-58 was drilled to investigate the WM-D-02 dike area.

- Eight boreholes were completed in the ice over lakes B7 (GT12-01, GT12-02, GT12-02A, GT12-03 and GT12-03B); B8 (GT12-13); H15H (GT12-19); and B45 (GT12-32). Five boreholes previously mentioned (GT12-27, GT12-29, GT12-38, GT12-39, and GT12-58) were also completed in the ice over lakes B5, A54, A52, A51, and A8, respectively.
- One borehole (GT12-47) was completed to investigate a potential borrow material area.
- Field supervision of the investigation program was provided by Golder on behalf of AEM, including soil, bedrock and permafrost logging, photography and sampling.
- Geotechnical laboratory analyses of select index tests were performed on selected samples recovered during drilling.

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 tasks related to the campaign.

3.2 Borehole Survey

The proposed borehole locations were provided by AEM using the Universal Transverse Mercator (UTM) geographic coordinate system by electronic mail on May 31, June 1, and July 12, 2012. During the drilling campaign certain field adjustments were required, and the as-built locations were for each boring location were completed by AEM or Golder field personnel using a hand held Global Positioning System (GPS) device. Surveyor horizontal and vertical control data for each boring location was not available at the time of this report submittal.

3.3 Field Program

The field investigation, consisting of fifty-three boreholes including the two additional soil borings (GT12-02A and GT12-03B) which were completed adjacent to the original boring locations GT12-02 and GT12-03 to gather additional soil data, and four thermistor cable installations. The program was supervised by Golder between three separate mobilizations from April 24 through May 14, June 1 through June 21, and July 25 through August 8, 2012. Golder demobilized from the site in the middle of May because the drill rigs needed to be outfitted with equipment used for helicopter transportation. A second demobilization of Golder personnel occurred in the middle of June due to budgetary and scope of work revisions. A summary of the boreholes is provided in Table 1, and the borehole locations are shown in Figure 1.

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 and testing. The results of the laboratory testing are included in Appendix B and shown in the Records of Boreholes.

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 with the exception of borehole GT12-62. Golder also directed the installation of the thermistor cables.

Table 1: Borehole Summary

Deposit Area	Borehole ID	Easting[a] (m)	Northing[a] (m)	Hole Length (m)	Start Date	End Date	Thermistor Serial Number
TSF dike	GT12-04	537038	6989998	14.00	June 15, 2012	June 15, 2012	-
TSF dike	GT12-05	537190	6989859	19.60	June 14, 2012	June 14, 2012	-
TSF dike	GT12-06	537440	6989652	19.00	June 12, 2012	June 12, 2012	-
TSF dike	GT12-07	537550	6989524	19.00	June 11, 2012	June 11, 2012	-
TSF dike	GT12-08	537740	6989424	16.00	June 10, 2012	June 10, 2012	-
TSF dike	GT12-09	538068	6989211	20.50	June 9, 2012	June 9, 2012	-
TSF dike	GT12-10	538340	6988970	18.95	June 7, 2012	June 8, 2012	-
TSF dike	GT12-11	538641	6988843	11.00	June 7, 2012	June 8, 2012	-
TSF dike	GT12-12	538808	6988875	9.00	June 6, 2012	June 7, 2012	-
TSF dike	GT12-14	539176	6989119	12.00	June 5, 2012	June 6, 2012	-
TSF dike	GT12-15	539220	6989198	16.00	July 30, 2012	July 30, 2012	-
TSF dike	GT12-16	539083	6989381	14.00	July 29, 2012	July 29, 2012	-
TSF dike	GT12-17	538949	6989520	11.50	July 28, 2012	July 28, 2012	-
TSF dike	GT12-18	538811	6989667	11.25	July 27, 2012	July 27, 2012	-
TSF dike	GT12-20	538104	6990437	11.00	July 31, 2012	July 31, 2012	-
TSF dike	GT12-21	537879	6990433	10.00	June 19, 2012	June 19, 2012	-
TSF dike	GT12-22	537714	6990466	7.50	June 18, 2012	June 18, 2012	-
TSF dike	GT12-23	537514	6990484	9.00	June 17, 2012	June 17, 2012	-
TSF dike	GT12-24	537199	6990238	15.90	June 16, 2012	June 16, 2012	-
TSF dike	GT12-25	537665	6990080	21.90	July 24, 2012	July 25, 2012	2415
TSF dike	GT12-40	538221	6989577	8.10	July 26, 2012	July 26, 2012	-
TSF dike	GT12-47	539742	6988247	21.80	August 6, 2012	August 6, 2012	2414
C Basin dike	GT12-41	542190	6985210	11.24	May 13, 2012	May 13, 2012	-
C Basin dike	GT12-42	542130	6985065	11.07	May 12, 2012	May 12, 2012	-
C Basin dike	GT12-43	544030	6984998	8.90	May 7, 2012	May 7, 2012	-
C Basin dike	GT12-44	544113	6984910	8.11	May 8, 2012	May 8, 2012	-
C Basin dike	GT12-45	544195	6984812	7.79	May 9, 2012	May 11, 2012	-
C Basin dike	GT12-46	544233	6984749	9.63	May 11, 2012	May 12, 2012	-
Mill area	GT12-60	540498	6989572	21.5	August 5, 2012	August 5, 2012	2413
Mill area	GT12-63	540416	6989457	7.00	August 8, 2012	August 8, 2012	-
Mill area	GT12-64	540402	6989392	22.00	August 7, 2012	August 7, 2012	2416
Mill area	GT12-69	540165	6989435	10.85	August 4, 2012	August 4, 2012	-
B7-D-02 dike	GT12-28	540105	6988697	10.00	June 2, 2012	June 3, 2012	-

Deposit Area	Borehole ID	Easting[a] (m)	Northing[a] (m)	Hole Length (m)	Start Date	End Date	Thermistor Serial Number
In A54 lake, B7-D-02 dike	GT12-29	540229	6988696	5.98	May 1, 2012	May 1, 2012	-
B7-D-02 dike	GT12-30	540323	6988684	8.50	June 4, 2012	June 4, 2012	-
P-D-02 dike	GT12-35	540218	6986382	9.35	August 2, 2012	August 2, 2012	-
P-D-01 dike	GT12-36	540359	6986326	9.90	August 3, 2012	August 3, 2012	-
P-D-01 dike	GT12-37	540593	6986301	14.19	May 13, 2012	May 14, 2012	-
B5-D-01 dike	GT12-26	538071	6988749	9.70	August 1, 2012	August 1, 2012	-
B5-D-01 dike	GT12-27	537853	69885631	9.10	May 5, 2012	May 5, 2012	-
F-D-02 dike	GT12-38	542787	6985885	6.59	May 8, 2012	May 9, 2012	-
In A53 lake, F-D-02 dike	GT12-39	542580	6986051	8.35	May 6, 2012	May 6, 2012	-
B4-D-02 dike	GT12-31	537984	6987035	8.00	May 3, 2012	May 4, 2012	-
In lake A8, WM-D-02 dike	GT12-58	541161	6987130	8.01	May 5, 2012	May 6, 2012	-
In B7 lake, bathy at 61.5m	GT12-01	537118	6990112	12.78	April 25, 2012	April 26, 2012	-
In B7 lake, bathy at 61 m	GT12-02	537269	6990016	7.27	April 26, 2012	April 27, 2012	-
-	GT12-02A	537262	6990015	8.48	April 29, 2012	April 30, 2012	-
In B7 lake, bathy at 61 m	GT12-03	538744	6989037	6.63	April 27, 2012	April 28, 2012	-
-	GT12-03B	538747	6989040	4.00	April 28, 2012	April 28, 2012	-
In B8 lake	GT12-13	538987	6988911	8.15	April 28, 2012	April 29, 2012	-
In H15H lake	GT12-19	538413	6990124	6.18	April 30, 2012	April 30, 2012	-
In B45 lake	GT12-32	538967	6986411	8.24	May 2, 2012	May 3, 2012	-

[a] Soil boring locations are As-Built locations determined by hand-held GPS devices.

TSF = tailings storage facilities

3.3.1 Drilling and Sampling

An LF-70 diamond drill rig (Drill #3) was used for drilling the 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 an 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. 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 sometimes consisted of using the standard penetration testing method 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 SPT method was not used to determine the density of the soil. SPT 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. 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 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 NRCC-7576, "Guide to a Field Description of Permafrost for Engineering Purposes, Technical Memorandum 79." At the beginning of the program 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. At the time when reaching the summer the need of warm fluid was not necessary.

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 for tailings, waste and water management areas, and industrial areas 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. All core boxes remain on site at the exploration camp after the program.

Record of soils observed have been described following Golder's Technical Procedure for Soil Description System, document number GAL TP001 Soil Description. The method of soil classification is based on a modified Unified Soil Classification System, and is consistent with the concepts presented in ASTM D2487 and D2488 and the Canadian Foundation Engineering Manual (CFEM 2006).

Borehole as-built locations using a hand-held GPS were completed by AEM and Golder personnel.

3.3.2 Thermistor Installation and Methodology

During the 2012 summer geotechnical field program, four thermistors with four dataloggers were installed and completed. AEM provided the proposed thermistor locations on July 12, 2012 via electronic mail correspondence. Thermistor cables were installed in selected boreholes to evaluate the ground thermal conditions in the areas of the proposed infrastructure. The thermistor cables and dataloggers installed were manufactured by RST Instruments Ltd. of Maple Ridge, British Columbia. The dataloggers were multichannel VW DT2055 and the thermistor sensor types used in the cables were TH0021 (2252 Ohms), which are typically accurate to 0.1 ºC. A summary of the thermistor cable locations is presented in Table 2.

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 the following:

- installing the thermistor lead and temporarily anchoring it to the casing until frozen in place;
- installing the datalogger in a protective plastic box; and
- placing the plastic box in a wooden desk elevated approximately 1 m from the ground surface.

The completed thermistor installations were flagged and labelled with the borehole number. Appendix C contains the certificate of compliance forms for each thermistor and a generalized figure with the locations of each of the 10 temperature measuring points positioned on the 21.5-metre-long cable.

Table 2: Thermistor Borehole Inventory

Deposit Area	Borehole ID	Easting (m)	Northing (m)	Down Hole Length (m)	1st Bead Depth[a] (m)	Installation Date	Datalogger Serial Number
TSF dike	GT12-25	537665	6990080	21.9	0.33	July 26, 2012	2415
Tiriganiaq pit	GT12-47	539742	6988247	21.8	0.1	August 7, 2012	2414
Mill area	GT12-60	540498	6989572	21.5	0.65	August 6, 2012	2413
Mill area	GT12-64	540402	6989392	22	0.3	August 8, 2012	2416

[a] Depths below ground surface.

TSF = tailings storage facilities

3.4 Soil Sample Collection and Laboratory Testing

Laboratory test results are provided in Appendix B. Samples of soils were collected in plastic bags, identified, secured with electrical tape, and were double bagged if necessary to aid in preserving the moisture content of the sample during shipping.

Excess water (ice) content was determined on selected samples by capturing the thawed/melted water from the soil sample in additional standard water content on the thawed soil sample. The total water content for the soil sample is calculated by adding the mass of the water from the standard water content analysis to the mass of the water captured as the thawed soil sample and dividing that total by the dry mass of the soil.

Natural moisture content results shown on the soil boring logs for GT12-2A (samples 1b and 3b), GT12-13 (samples 1b, 2b, and 3b), GT12-19 (samples 1b, 2b, 5b), and GT12-29 (samples 1, 2b, and 3b) are not representative of the sample; therefore, they should not be used. These samples were retrieved from the core boxes days later and they were subject to moisture losses or gains on their original conditions. The laboratory mistakenly tested these samples without being aware of the samples condition. The unrepresentative natural moisture results are not able to be removed from the record of borehole for these four boring locations and are identified with a note with an asterisk on the record of borehole and with a preceding note in Appendix B.

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:

- natural water contents (ASTM D 4959);
- Atterberg limit tests (ASTM D 4318-10);
- sieve analysis and hydrometers (ASTM D 422);
- excess water (ice) content;
- compaction of soil using Standard Proctor (ASTM D 698-07); and
- Hydraulic Conductivity test (ASTM D 5856-95) using a composite soil sample collected from GT12-47.

4.0 GENERAL SUBSURFACE CONDITIONS

A summary of the depths of peat/organics, bedrock surface depth, and total depth of the boring for each borehole is presented in Table 3. The details of the subsurface conditions encountered are shown on the Records of Boreholes in Appendix A. Photographs of the soil and rock cores are presented in Appendix D.

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 peat or organics 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/siltstone with occurrences of calcite and quartz veining.

Frozen soils and presence of ice were observed in the majority of the boreholes. No ice was observed at three soil boring locations GT12-26, GT12-40, and GT12-69. In some soil strata, such as boring locations GT12-14, GT12-21, and GT12-23, where no ice or moisture descriptions were documented, the soil may have been frozen; however, drilling conditions including the process of applying water may have melted the ice. Evidence of ice lenses containing little disseminated soil was observed in boreholes GT12-09, GT12-10, GT12-35, GT12-37, GT12-41, GT12-63, and GT12-64.

4.1.1 Peat and Organics

A layer of organic matter or peat, dark brown to black and consisting of silty fibrous peat mixed with degrading organic matters such as rootlets, mosses and lichens, with thicknesses from 0.02 m to 0.49 m, was encountered at 32 of the 53 borehole locations. Eleven borehole locations were positioned on the ice of a frozen lake. Organic matter or peat was not encountered at nine of the land-located boreholes.

4.1.2 Silty Gravelly Sand

Underlying the peat and organics is a granular layer containing various proportions of silt, sand and gravel, which was observed in all boreholes. The particle-size gradations at various depths and for various samples 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 5 to 98%, sand content (4.75 mm > particles > 0.075 mm) ranges from 2% to 85%, and gravel content (particles > 4.75 mm) was found to be between 0% and 73%. Laboratory results also showed a moisture content varying between 0.5% and 127.3% with excess ice content varying between 0.1% and 102%.

The thickness of the layer varies from 2.24 m (GT12-32) to 17.58 m (GT12-09). 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 GT12-04 and GT12-09. 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.

Atterberg limit tests were performed on the classified clay material. The measured liquid limits ranged between 18% and 38%, the plastic limits ranged between 14% and 19%, and the plasticity indexes are 4% and 19%. The natural moisture content was found to range between 13.1% and 29.4%.

4.1.4 Bedrock

The bedrock surface was encountered between 2.24 m (GT12-32) and 17.58 m (GT12-09) below the ground surface. The bedrock was cored to depths ranging from 5.98 to 22.00 m below its surface. The bedrock consists primarily of greywacke/siltstone with occurrences of veins of calcite. Metavolcanic rock was encountered in two boreholes GT12-35 and GT12-36.

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. A sandy silt sample (Sample No. 3) was collected from the fracture observed at GT12-12 at a depth of 4.15 to 4.25 m and analyzed for grain size and moisture content.

Table 3: Borehole Stratigraphy Summary

Borehole ID	Peat, Organics	Bedrock Surface	End of Hole Depth[a] (m)
	Thickness[a] (m)	Depth[a] (m)	Depth[a] (m)
GT12-04	0.18	9.39	14.00
GT12-05	0.20	15.97	19.60
GT12-06	0.30	15.36	19.00
GT12-07	0.10	15.60	19.00
GT12-08	0.06	12.78	16.00
GT12-09	-	17.58	20.50
GT12-10	-	14.40	18.95
GT12-11	0.04	6.30	11.00
GT12-12	0.04	2.30	9.00
GT12-14	0.02	8.50	12.00
GT12-15	0.08	12.70	16.00
GT12-16	-	10.40	14.00
GT12-17	0.05	8.50	11.50
GT12-18	-	7.30	11.25
GT12-20	0.07	8.30	11.00
GT12-21	-	6.24	10.00
GT12-22	0.05	3.67	7.50
GT12-23	0.10	4.72	9.00
GT12-24	0.06	11.40	15.90
GT12-25	-	4.75	21.90
GT12-40	-	4.45	8.10
GT12-47	0.11	17.30	21.80
GT12-41	0.05	8.06	11.24
GT12-42	0.06	7.85	11.07
GT12-43	0.10	5.75	8.90
GT12-44	0.30	4.85	8.11
GT12-45	0.30	5.23	7.79
GT12-46	0.13	6.71	9.63
GT12-60	0.15	7.10	21.50
GT12-63	-	5.00	7.00
GT12-64	0.14	4.00	22.00
GT12-69	0.10	6.80	10.85
GT12-28	0.04	3.10	10.00

Borehole ID	Peat, Organics	Bedrock Surface	End of Hole Depth[a] (m)
	Thickness[a] (m)	Depth[a] (m)	Depth[a] (m)
GT12-29	- [b]	2.89	5.98
GT12-30	0.10	2.50	8.50
GT12-35	0.05	5.65	9.35
GT12-36	0.19	6.50	9.90
GT12-37	0.49	10.35	14.19
GT12-26	-	6.50	9.60
GT12-27	- [b]	5.20	9.10
GT12-38	0.19[b]	3.60	6.59
GT12-39	0.20[b]	5.05	8.35
GT12-31	0.30	4.90	8.00
GT12-58	- [b]	4.84	8.01
GT12-01	- [b]	8.28	12.78
GT12-02	- [b]	4.33	7.27
GT12-02A	- [b]	4.38	8.48
GT12-03	- [b]	4.10	6.63
GT12-03B	- [b]	4.00	5.15
GT12-13	- [b]	4.35	8.15
GT12-19	- [b]	3.05	6.18
GT12-32	- [b]	2.24	8.24

[a] All depths presented in this table are measured along the hole.

[b] Borehole drilled below lake ice. No organics or peat recovered.

5.0 STANDARD PROCTOR AND HYDRAULIC CONDUCTIVITY TESTS

Standard Proctor and Hydraulic Conductivity tests were performed on a composite sample prepared using samples 1 to 10 from borehole GT12-47. The composite sample gradation consisted of a well graded material with 24% gravel, 35% sand and 41% fines (passing 0.075 mm sieve size). Results for the Standard Proctor test following method B and using the minus 19 mm portion of the sample indicated an optimum water content of 8.4% and dry density of 20.34 kN/m^3. Results for the hydraulic conductivity test using a Rigid-Wall Compaction-Mold Permeameter indicated an average value of $2.3x10^{-7}$ cm/second.

6.0 CLOSURE

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.

GOLDER ASSOCIATES LTD.

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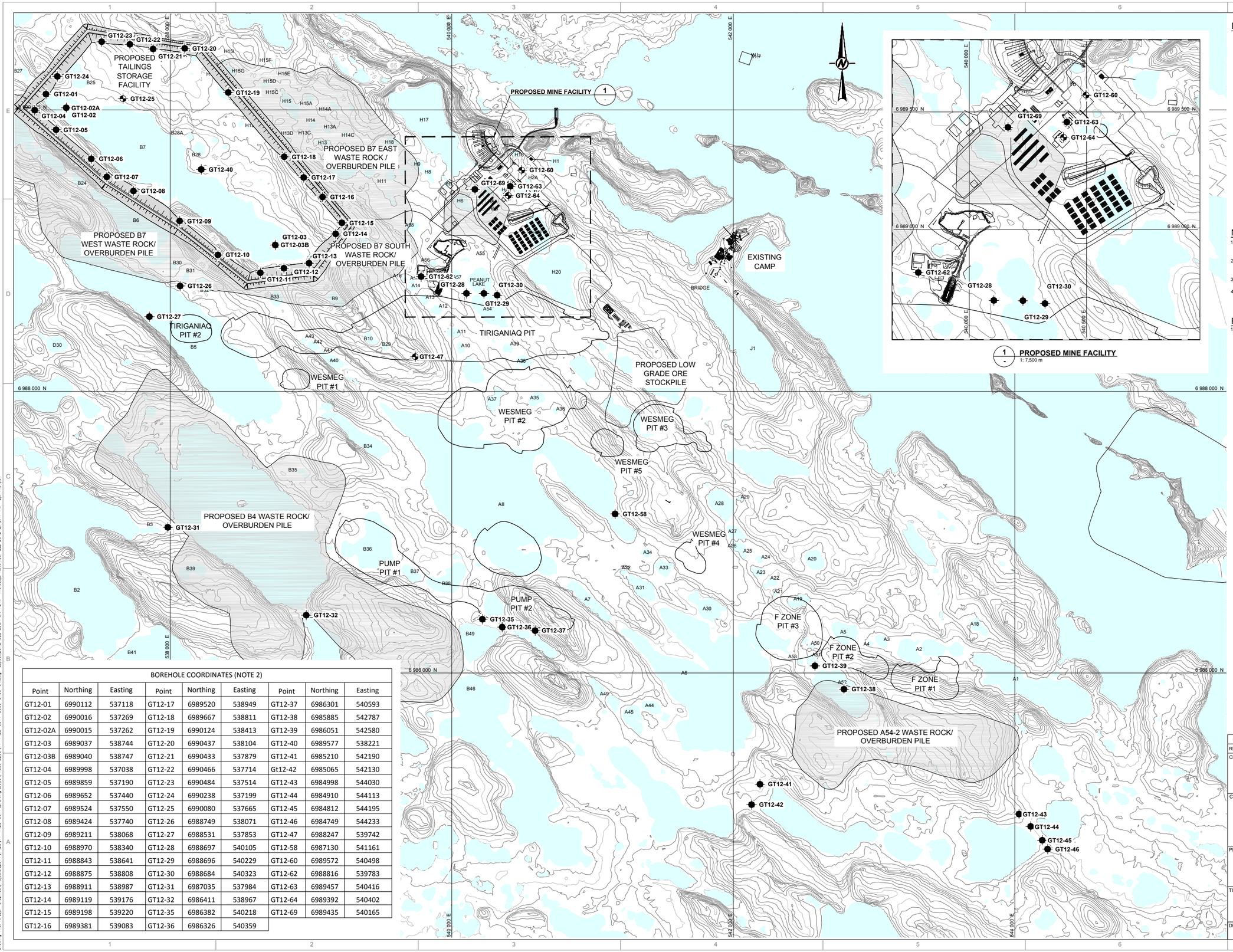
REFERENCES

CFEM. 2006. Canadian Foundation Engineering Manual. 4th Edition. The Canadian Geotechnical Society. , Bitech Publishers Ltd.



1 - PROPOSED MINE FACILITY
1: 7,500 m

LEGEND

- GT12-16 2012 BOREHOLE LOCATION
- GT12-25 2012 BOREHOLE AND THERMISTOR LOCATION
- PROPOSED TAILINGS STORAGE FACILITY DIKE
- LAKE
- MAJOR TOPOGRAPHIC CONTOUR (5m)
- MINOR TOPOGRAPHIC CONTOUR (1m)
- WASTE ROCK/OVERBURDEN PILES

NOTES

1. ALL ELEVATIONS ARE IN METRES TO NORTH AMERICAN DATUM 1983 (NAD 83).
2. ALL COORDINATES BY HANDHELD GPS IN METRES TO UNIVERSAL TRANSVERSE MERCATOR PROJECTION (UTM) ZONE 15.
3. EXISTING TOPOGRAPHIC CONTOURS SHOWN AT 1m INTERVALS.
4. INFRASTRUCTURE, TAILINGS STORAGE FACILITY AND WASTE ROCK / OVERBURDEN PILES UNDER REVIEW. SHOWN SCHEMATICALLY FOR REFERENCE ONLY.

REFERENCE

1. BASE PLAN PROVIDED BY AGNICO EAGLE MINES LTD. SEPTEMBER 27 AND 29, 2011.

BOREHOLE COORDINATES (NOTE 2)

Point	Northing	Easting	Point	Northing	Easting	Point	Northing	Easting
GT12-01	6990112	537118	GT12-17	6989520	538949	GT12-37	6986301	540593
GT12-02	6990016	537269	GT12-18	6989667	538811	GT12-38	6985885	542787
GT12-02A	6990015	537262	GT12-19	6990124	538413	GT12-39	6986051	542580
GT12-03	6989037	538744	GT12-20	6990437	538104	GT12-40	6989577	538221
GT12-03B	6989040	538747	GT12-21	6990433	537879	GT12-41	6985210	542190
GT12-04	6989998	537038	GT12-22	6990466	537714	Gt12-42	6985065	542130
GT12-05	6989859	537190	GT12-23	6990484	537514	GT12-43	6984998	544030
GT12-06	6989652	537440	GT12-24	6990238	537199	GT12-44	6984910	544113
GT12-07	6989524	537550	GT12-25	6990080	537665	GT12-45	6984812	544195
GT12-08	6989424	537740	GT12-26	6988749	538071	GT12-46	6984749	544233
GT12-09	6989211	538068	GT12-27	6988531	537853	GT12-47	6988247	539742
GT12-10	6988970	538340	GT12-28	6988697	540105	GT12-58	6987130	541161
GT12-11	6988843	538641	GT12-29	6988696	540229	GT12-60	6989572	540498
GT12-12	6988875	538808	GT12-30	6988684	540323	GT12-62	6988816	539783
GT12-13	6988911	538987	GT12-31	6987035	537984	GT12-63	6989457	540416
GT12-14	6989119	539176	GT12-32	6986411	538967	GT12-64	6989392	540402
GT12-15	6989198	539220	GT12-35	6986382	540218	GT12-69	6989435	540165
GT12-16	6989381	539083	GT12-36	6986326	540359			

0 150 300 450m
1:7,500
0 250 500 750m
1:12,500

REV	DATE	DESCRIPTION	DRW	DES	CHK	RVW
0	19/10/12	ISSUED WITH RPT- MEL VER 0	S.S.S.	A.L	F.A.	R.F.M

CLIENT
AGNICO EAGLE MINES LTD.

CONSULTANT
Golder Associates

PROJECT 11-1428-0011/3200/3300
2012 DRILLING PROGRAM
MELIADINE GOLD PROJECT

TITLE
BOREHOLE LOCATION PLAN

DRAWING No. FIGURE 1

SHEET No. 1 OF 1

SHEET SIZE ANSI D 25 mm 0

Drawing File: N:\Burr--Graphics\Projects\2011\1-1428-0011\Drafting\3000\Phase 3200\11-1428-0011-3000-3400-01.dwg Layout:BOREHOLE LOCATION PLAN Thursday, November 22, 2012 2:18:47 PM By: rhorlyck

APPENDIX A

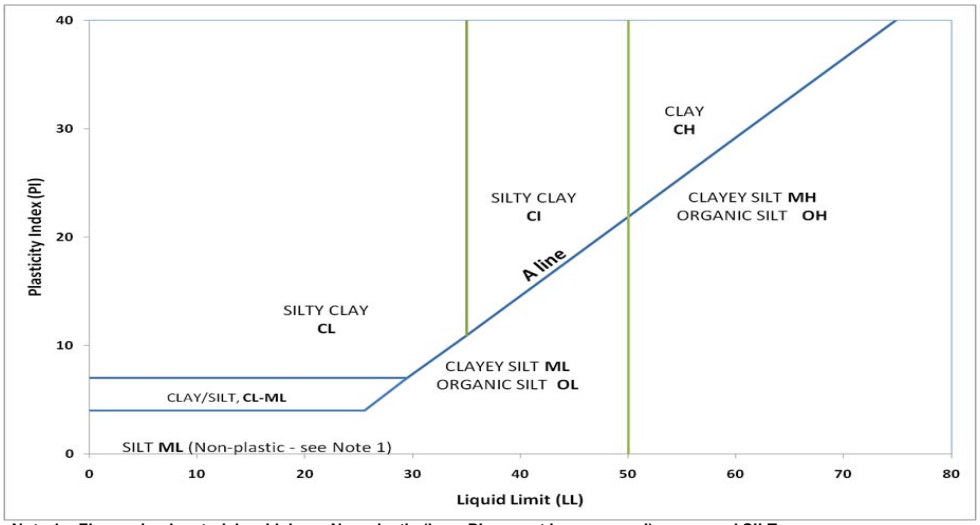
Records of Boreholes

METHOD OF SOIL CLASSIFICATION

Organic or Inorganic	Soil Group	Type of Soil		Gradation or Plasticity	$Cu = \frac{D_{60}}{D_{10}}$	$Cc = \frac{D_{30}^2}{D_{10} x D_{60}}$	Organic Content	USCS Group Symbol	Group Name
INORGANIC (Organic Content <30% by mass)	COARSE GRAINED SOILS (>50% by mass is larger than 0.075 mm)	GRAVELS (>50% by mass is larger than 4.75 mm)	Gravels with <12% fines (by mass)	Poorly Graded	<4	≤1 or ≥3	<30%	GP	GRAVEL
				Well Graded	≥4	1 to 3		GW	GRAVEL
			Gravels with >12% fines (by mass)	Below A Line	n/a			GM	SILTY GRAVEL
				Above A Line	n/a			GC	CLAYEY GRAVEL
		SANDS (>50% by mass is smaller than 4.75 mm)	Sands with <12% fines (by mass)	Poorly Graded	<6	≤1 or ≥3		SP	SAND
				Well Graded	≥6	1 to 3		SW	SAND
			Sands with >12% fines (by mass)	Below A Line	n/a			SM	SILTY SAND
				Above A Line	n/a			SC	CLAYEY SAND

Organic or Inorganic	Soil Group	Type of Soil		Laboratory Tests	Field Indicators				Organic Content	USCS Group Symbol	Group Name
					Dilatancy	Dry Strength	Thread Diameter	Toughness (of 3 mm thread)			
INORGANIC (Organic Content <30% by mass)	FINE GRAINED SOILS (>50% by mass is smaller than 0.075 mm)	SILTS (PI and LL plot below A-Line on Plasticity Chart)		Liquid Limit <50	Rapid	None	>6 mm	N/A (can't roll 3 mm thread)	<5%	ML	SILT
					Slow	None to Low	3mm to 6 mm	None to low	<5%	ML	CLAYEY SILT
					Slow to very slow	Low to medium	3mm to 6 mm	Low	5% to 30%	OL	ORGANIC SILT
				Liquid Limit >50	Slow to very slow	Low to medium	3mm to 6 mm	Low to medium	<5%	MH	CLAYEY SILT
					None	Medium to High	1 mm to 3 mm	Medium to High	5% to 30%	OH	ORGANIC SILT
		CLAYS (PI and LL plot above A-Line on Plasticity Chart)		Liquid Limit <35	None	Low to medium	~ 3 mm	Low to medium	0% to 30%	CL	SILTY CLAY
				Liquid Limit 35 to 50	None	Medium to High	1 mm to 3 mm	Medium		CI	SILTY CLAY
				Liquid Limit >50	None	High	<1 mm	High		CH	CLAY
HIGHLY ORGANIC SOILS (Organic Content >30% by mass)		Peat and mineral soil mixtures							30% to 75%	PT	SILTY PEAT, SANDY PEAT
		Predominantly peat, may contain some mineral soil, fibrous or amorphous peat							>75%		PEAT

PLASTICITY CHART



Note 1 – Fine grained materials which are Non-plastic (i.e. a PL cannot be measured) are named SILT.

Dual Symbol — A dual symbol is two symbols separated by a hyphen, for example, GP-GM, SW-SC, CL-ML used when the soil has between 5 and 12% fines (*i.e.* between "clean" sand and "dirty" sand) or when the liquid limit and plasticity index values plot in the CL-ML area of the plasticity chart.

Borderline Symbol — A borderline symbol is two symbols separated by a slash, for example, CL/CI, GM/SM, CL/ML.

SYMBOLS AND TERMS USED ON RECORDS OF BOREHOLES AND TEST PITS

PARTICLE SIZES OF CONSTITUENTS

Soil Constituent	Particle Size Description	Millimetres	Inches (US Std. Sieve Size)
BOULDERS	Not Applicable	>300	>12
COBBLES	Not Applicable	75 to 300	3 to 12
GRAVEL	Coarse Fine	19 to 75 4.75 to 19	0.75 to 3 (4) to 0.75
SAND	Coarse Medium Fine	2.00 to 4.75 0.425 to 2.00 0.075 to 0.425	(10) to (4) (40) to (10) (200) to (40)
SILT/CLAY	Classified by plasticity	<0.075	< (200)

MODIFIERS FOR SECONDARY AND MINOR CONSTITUENTS

Percentage by Mass	Modifier
≤ 5	trace
5 to 12	some
12 to 35	Primary soil name prefixed with "gravelly, sandy, SILTY, CLAYEY" as applicable
>35	Use 'and' to combine major constituents (*i.e.,* SAND and GRAVEL, SAND and CLAY)

PENETRATION RESISTANCE

Standard Penetration Resistance (SPT), 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 300 mm (12 in.).

Piezo-Cone Penetration Test (CPT)

An electronic cone penetrometer with a 60° conical tip and a project end area of 10 cm^2 pushed through ground at a penetration rate of 2 cm/s. Measurements of tip resistance (q_t), porewater pressure (u) and sleeve frictions are recorded electronically at 25 mm penetration intervals.

Dynamic Cone Penetration Resistance; N_d:

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 300 mm (12 in.).

PH: Sampler advanced by hydraulic pressure
PM: Sampler advanced by manual pressure
WH: Sampler advanced by static weight of hammer
WR: Sampler advanced by weight of sampler and rod

SAMPLES

AS	Auger sample
BS	Block sample
CS	Chunk sample
SS	Split-spoon
DS	Denison type sample
FS	Foil sample
RC	Rock core
SC	Soil core
ST	Slotted tube
TO	Thin-walled, open
TP	Thin-walled, piston
WS	Wash sample

SOIL TESTS

w	water content
PL	plastic limit
LL	liquid limit
C	consolidation (oedometer) test
CHEM	chemical analysis (refer to text)
CID	consolidated isotropically drained triaxial test[1]
CIU	consolidated isotropically undrained triaxial test with porewater pressure measurement[1]
D_R	relative density (specific gravity, Gs)
DS	direct shear test
GS	specific gravity
M	sieve analysis for particle size
MH	combined sieve and hydrometer (H) analysis
MPC	Modified Proctor compaction test
SPC	Standard Proctor compaction test
OC	organic content test
SO_4	concentration of water-soluble sulphates
UC	unconfined compression test
UU	unconsolidated undrained triaxial test
V (FV)	field vane (LV-laboratory vane test)
γ	unit weight

Note: [1] Tests which are anisotropically consolidated prior to shear are shown as CAD, CAU.

NON-COHESIVE (COHESIONLESS) SOILS

Compactness

Term	SPT 'N' (blows/0.3m) *
Very Loose	0 - 4
Loose	4 to 10
Compact	10 to 30
Dense	30 to 50
Very Dense	>50

1. SPT 'N' in accordance with ASTM D 1586, uncorrected for overburden pressure effects or energy transfer.
2. Definition of compactness descriptions based on SPT 'N' ranges from Terzaghi and Peck (1967) and correspond to typical average N_{60} values.

Field Moisture Condition

Term	Description
Dry	Soil flows freely through fingers.
Moist	Soils are darker than in the dry condition and may feel cool.
Wet	As moist, but with free water forming on hands when handled.

COHESIVE SOILS

Consistency

Term	Undrained Shear Strength (kPa)	SPT 'N' (blows/0.3m)
Very Soft	<12	0 to 2
Soft	12 to 25	2 to 4
Firm	25 to 50	4 to 8
Stiff	50 to 100	8 to 15
Very Stiff	100 to 200	15 to 30
Hard	>200	>30

1. SPT 'N' in accordance with ASTM D 1586, uncorrected for overburden pressure effects or energy transfer.

Water Content

Term	Description
w < PL	Material is estimated to be drier than the Plastic Limit.
w ~ PL	Material is estimated to be close to the Plastic Limit.
w > PL	Material is estimated to be wetter than the Plastic Limit.

LITHOLOGICAL AND GEOTECHNICAL ROCK DESCRIPTION TERMINOLOGY

WEATHERING STATE

Fresh: no visible sign of weathering

Faintly weathered: weathering limited to the surface of major discontinuities.

Slightly weathered: penetrative weathering developed on open discontinuity surfaces but only slight weathering of rock material.

Moderately weathered: weathering extends throughout the rock mass but the rock material is not friable.

Highly weathered: weathering extends throughout rock mass and the rock material is partly friable.

Completely weathered: rock is wholly decomposed and in a friable condition but the rock and structure are preserved.

BEDDING THICKNESS

Description	Bedding Plane Spacing
Very thickly bedded	Greater than 2 m
Thickly bedded	0.6 m to 2 m
Medium bedded	0.2 m to 0.6 m
Thinly bedded	60 mm to 0.2 m
Very thinly bedded	20 mm to 60 mm
Laminated	6 mm to 20 mm
Thinly laminated	Less than 6 mm

JOINT OR FOLIATION SPACING

Description	Spacing
Very wide	Greater than 3 m
Wide	1 m to 3 m
Moderately close	0.3 m to 1 m
Close	50 mm to 300 mm
Very close	Less than 50 mm

GRAIN SIZE

Term	Size*
Very Coarse Grained	Greater than 60 mm
Coarse Grained	2 mm to 60 mm
Medium Grained	60 microns to 2 mm
Fine Grained	2 microns to 60 microns
Very Fine Grained	Less than 2 microns

Note: * Grains greater than 60 microns diameter are visible to the naked eye.

CORE CONDITION

Total Core Recovery (TCR)

The percentage of solid drill core recovered regardless of quality or length, measured relative to the length of the total core run.

Solid Core Recovery (SCR)

The percentage of solid drill core, regardless of length, recovered at full diameter, measured relative to the length of the total core run.

Rock Quality Designation (RQD)

The percentage of solid drill core, greater than 100 mm length, recovered at full diameter, measured relative to the length of the total core run. RQD varied from 0% for completely broken core to 100% for core in solid sticks.

DISCONTINUITY DATA

Fracture Index

A count of the number of discontinuities (physical separations) in the rock core, including both naturally occurring fractures and mechanically induced breaks caused by drilling.

Dip with Respect to Core Axis

The angle of the discontinuity relative to the axis (length) of the core. In a vertical borehole a discontinuity with a 90° angle is horizontal.

Description and Notes

An abbreviation description of the discontinuities, whether naturally occurring separations such as fractures, bedding planes and foliation planes or mechanically induced features caused by drilling such as ground or shattered core and mechanically separated bedding or foliation surfaces. Additional information concerning the nature of fracture surfaces and infillings are also noted.

Abbreviations

JN	Joint	PL	Planar
FLT	Fault	CU	Curved
SH	Shear	UN	Undulating
VN	Vein	IR	Irregular
FR	Fracture	K	Slickensided
SY	Stylolite	PO	Polished
BD	Bedding	SM	Smooth
FO	Foliation	SR	Slightly Rough
CO	Contact	RO	Rough
AXJ	Axial Joint	VR	Very Rough
KV	Karstic Void		
MB	Mechanical Break		

PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-01

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B7 lake, bathymetry at 61.5m
N: ~6990112 E: ~537118 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/26/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ice Surface														
0		ICE,		0.00				1								
1	LF-70 (HQ3) Diamond Drilling	**(GW)** GRAVEL, subangular to subrounded, contains cobbles (fines assumed washed out)		0.98				2								
2																
3								3								
4																
5								4								
6								5								
7																
8								6								
				8.28												
9		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.														
10																

SHEAR STRENGTH Cu, kPa: 20 40 60 80 (nat V. +, rem V. ⊕, Q - ●, U - ○)
WATER CONTENT %: Wp — W — Wl; 10 20 30 40 (field est. - ◎, lab - ○, ice est. - ⬠)

DEPTH SCALE
1 : 50

LOGGED: FA/JB
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-01

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: B7 lake, bathymetry at 61.5m
N: ~6990112 E: ~537118 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 4/26/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
9	LF-70 (HQ3) Diamond Drilling	Slightly weathered to fresh, thickly foliated, grey, fine grained, non-porous. Presence of quartz veins < 1cm thick. SILTSTONE or GREYWACKE		8.28	7								JN,UN,SM,DC,M, <1mm	20					
													JN,UN,SM,DC,M, <1mm	20					
													JN,UN,SM,CC,M, <1mm	20					
													JN,UN,SM,CC,M, 5mm	0					
													JN,PL,Ro,DC,M, <1mm	20					
													JN,PL,Ro,CC,M, 1mm	6					
													JN,UN,SM,CC,M, 3mm	6					
													JN,UN,SM,CC,M, 3mm	6					
10													JN,PL,Ro,DC,M, <1mm	20					
													JN,PL,Ro,CC,M, 1mm	6					
					8								JN,UN,Ro,DC,M, 3mm	6					
11													JN,PL,Ro,CC,M, <1mm	20					
													JN,PL,Ro,CC,M, 5mm	6					
12					9								JN,UN,SM,DC,M, <1mm	20					
13		End of Drillhole.		12.78															
14																			
15																			
16																			
17																			
18																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA/JB
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-02

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B7 lake, bathymetry at 61m
N: ~6990016 E: ~537269 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/26/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ice Surface														
0	LF-70 (HQ3) Diamond Drilling	ICE,		0.00				1								
1																
2		**(GW)** GRAVEL, subangular to subrounded, contains cobbles (fines assumed washed out)		1.22				2								
3								3								
4								4								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.33												
5																
6																
7																
8																
9																
10																

RUN: RECOVERY % scale: 80, 60, 40, 20
SHEAR STRENGTH Cu, kPa: 20, 40, 60, 80
WATER CONTENT %: 10, 20, 30, 40

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-02

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: B7 lake, bathymetry at 61m
N: ~6990016 E: ~537269 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 4/27/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	fresh, thickly foliated, grey, fine grained, faintly porous, strong, GREYWACKE or SILTSTONE. Presence of quartz veins parallel to the core axis <1cm thick, contains disseminated pyrite		4.33	4								JN,PL,SM,M, <1mm	20					
													JN,UN,Ro,Gr, <1mm	20					
6					5								VN,UN,Ro,ST,Qz, 3mm JN,UN,Ro,ST,M, <1mm	6 20					
													JN,UN,Ro,M, <1mm	20					
7					6								JN,UN,Ro,Gr, <1mm	20					
		End of Drillhole.		7.27															
8																			
9																			
10																			
11																			
12																			
13																			
14																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-02A

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B7 lake
N: ~6990015 E: ~537262 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/30/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○)	WATER CONTENT % (Wp, W, Wl; field est. - ◎ / lab - ○ / ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface															
0			ICE,		0.00				1									
1			COBBLES,		1.15				2		Nbe							
	LF-70 (HQ3)	Diamond Drilling	**(SP)** SAND, fine, some silt, dark grey, homogeneous, non-cohesive, frozen		1.78	1	SS		3			4	61	35		18		Sa 1B: 62.7%*
2			**(SM)** SILTY SAND, fine grained, black, homogeneous, non-cohesive, frozen		2.03	1B	SS					20	50	30				
						2	SS					25	48	27				
			(SM) gravelly SILTY SAND, light grey, heterogeneous, non-cohesive, frozen						4		Vx							
3			**(SM)** sandy SILT to SILTY SAND, some gravel, dark grey, homogeneous, non-cohesive, frozen		2.78				5		Vs							
						3	SS					9	31	60		NP		Sa 3B: 15.6%*
						3B	SS		6			9	57	34		NP		
			(SM) sandy SILT to SILTY SAND, some gravel, dark grey, homogeneous, contains cobbles, non-cohesive, frozen		3.70	4	SS											note: * Moisture content not representative
4			**(SP)** SAND, some to trace gravel, grey, homogeneous, non-cohesive, frozen		4.08				7		Vr							
					4.38													
5			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.															
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA/JB
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-02A

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: B7 lake
N: ~6990015 E: ~537262 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 4/30/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	fresh, grey, medium grained, foliated, strong, GREYWACKE or SILTSTONE, contains sulphide crystals		4.38	9								VN,-,-	25					
6					10								FR,PL,SM	20					
7		At 7.08 m surface of fracture is coated in black, organic smelling material											JN,PL,Ro,CC, <1mm	6					
8					11								FR,PL,Ro,DC,M, <1mm FR,UN,SM,DC,M, <1mm	12 12					
		End of Drillhole.		8.48															
9																			
10																			
11																			
12																			
13																			
14																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA/JB
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-03

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B7 lake, bathymetry at 61m
N: ~6989037 E: ~538744 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/27/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊖W WI) field est. - ◎ lab - ○ ice est. - ⬠ 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface														
0	LF-70 (HQ3)	Diamond Drilling	ICE,		0.00				1								
1			**(GP)** Sandy GRAVEL, angular, grey, contains subrounded cobbles and boulders, non-cohesive, wet		1.19				2								
			No recovery		1.60				3								
2																	
3			**(GM)** sandy SILTY GRAVEL, angular, dark grey, non cohesive, wet		3.10	1	SS		4			56	25	19	○		
			(SM) SILTY SAND, subangular, dark grey, non-cohesive, wet		3.70				5								
4			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.10												
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-03

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: B7 lake, bathymetry at 61m
N: ~6989037 E: ~538744 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 4/27/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING / ALTERATION W1 W2 W3 W4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	slightly weathered, medium foliated, grey-green, finely grained, non porous to faintly porous, medium strong, contains veins <2 mm thick.		4.10	5														
6					6							30	VN,UN,Ro,IN,Qz, 3	25					
												30	VN,PL,Ro,CC,Qz, 1	25					
		At 6.35 m presence of 3.5 cm thick quartz veins																	
7		End of Drillhole.		6.63															
8																			
9																			
10																			
11																			
12																			
13																			
14																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-03B

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B7 lake
N: ~6989040 E: ~538747 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/28/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ice Surface														
0	LF-70 (HQ3) Diamond Drilling	ICE,		0.00				1								
1		**(GP)** GRAVEL, angular, grey, contains angular to subangular cobbles and boulders, non-cohesive, frozen		1.19				2		Nbe						
		(SP/ML) SAND and SILT, gravelly, black, contains subangular to angular cobbles, non-cohesive, frozen		1.60	1	SS		3		Vr	23	41	36			
2		**(GM)** sandy SILTY GRAVEL, gravelly, grey, contains angular to subangular cobbles, frozen		1.90	2	SS		4			37	33	30			
				2.15	3	SS		5			18	47	35			
					4	SS				Nbe	16	29	55			
		(SM/ML) gravelly SILTY SAND to sandy SILT, subangular gravel, grey, non-cohesive, frozen		2.55	5	SS		6			8	22	70	NP		
3		**(ML)** sandy SILT, some subangular gravel, dark grey, non-cohesive, frozen		2.85				7								
		(SW) SAND, some silt, some subangular gravel, dark grey, contains angular cobbles, non-cohesive, frozen		3.40				8		Nbn						
		(SW) gravelly SAND, trace silt, grey, contains subangular cobbles, non-cohesive, frozen		3.75	6	SS		9			22	41	37			
4		**(SP/ML)** gravelly SAND and SILT, grey, non-cohesive, frozen		4.00												
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.														
5																
6																
7																
8																
9																
10																

DEPTH SCALE
1 : 50

LOGGED: JB
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-03B

SHEET 2 OF 2

LOCATION: B7 lake

DATUM: Ice Surface

N: ~6989040 E: ~538747 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/28/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
						INDICES: ROCK STRENGTH R5 R4 R3 R2 R1; WEATHERING W2 W3 W4; ALTERATION 5 2 3 4 — RECOVERY: TOTAL CORE % 80 60 40 20; RQD % 80 60 40 20 — FRACTURE INDEX PER RUN — Jn — DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90; TYPE AND SURFACE DESCRIPTION — Jcon — Jr — Ja — Fault/Breccia/Gouge — Lost Core — Broken Core	
4		Cont'd from Record of Borehole.					
	LF-70 (HQ3) Diamond Drilling	Trial Borehole to improve soil recovery. No rock logging needed. Refer to GT12-03 for rock characteristics		4.00	9		
5		End of Drillhole.		5.15			
6							
7							
8							
9							
10							
11							
12							
13							
14							

DEPTH SCALE

1 : 50

LOGGED: JB

CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-04

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989998 E: ~537038 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/15/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0			**(PT)** PEAT, fibrous, dark brown		0.00				1								
			(SC) CLAYEY SAND, some gravel, fine to coarse sand, fine and subangular gravel, grey		0.18												
			(GW) sandy GRAVEL, fine to medium sand, fine to coarse and angular to subangular gravel, grey			1	SC										
1			No recovery, inferred (GP) coarse GRAVEL		1.05												
			(GP) GRAVEL, subangular to subrounded, contains cobbles		1.70				2								
2																	
3			**(GM)** sandy SILTY GRAVEL, fine to medium sand, fine subangular to subrounded gravel, grey, frozen		3.15	2	SC				Nbn	68	18	14	○		
									3								
4						3	SC										
	LF-70 (HQ3)	Diamond Drilling															
5			**(ML)** gravelly sandy SILT, fine to coarse sand, medium to fine angular gravel, grey		5.00	4	SC					17	30	53	◐—⊢		
			(SP) SAND, some fine subrounded to rounded gravel, fine to medium sand, grey		5.40												
			(ML) gravelly sandy SILT, fine to medium sand, fine to coarse and angular to subangular gravel, grey		5.55	5	SC		4			28	26	46	○		
6			**(SP)** SAND, some fine subrounded to rounded gravel, fine to medium sand, grey		6.50												
			(GW) sandy GRAVEL, some silt, fine to medium sand, fine to coarse and subrounded gravel, grey		6.87												
7			**(SW)** gravelly SAND, some silt, fine to medium sand, fine to coarse and subangular to subrounded gravel, grey, contains cobbles						5								
			(SC) CLAYEY SAND, some gravel, fine to medium sand, fine to coarse and subangular to subrounded gravel, grey		7.62	6	SC										
8			**(CL)** sandy SILTY CLAY, fine to medium sand, some fine to coarse and angular to subrounded gravel, non-cohesive, grey		8.00	7	SC					6	33	61	⊢—⊖		
									6								
9																	
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		9.39												
10																	

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-04

SHEET 2 OF 2

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6989998 E: ~537038 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/15/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	Jcon	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
10	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, faintly porous, strong, GREYWACKE or SILTSTONE, presence of calcite veins		9.39	6								JN,PL,Ro,-,-, <1mm	20					
													JN,PL,Ro,IN,Qz/Su, 4mm	6					
													JN,PL,Ro,IN,Qz, 2mm	6					
					7								JN,PL,Ro,-,-, <1mm	20					
													FR,PL,SM,DC,Si, <1mm	20					
													JN,CU,Ro,-,-, <1mm	20					
11													JN,PL,Ro,-,-, <1mm	20					
													FR,IR,Ro,-,-, <1mm	20					
													JN,PL,Ro,IN,Cl, 2mm	6					
													FR,IR,Ro,IN,Br/Si, 30mm	0					
																			11.50
																			11.68
12					8								JN,PL,Ro,IN,Qz, 2mm	6					
													FR,IR,Ro,-,-, 3mm	6					
													FR,ST,Ro,DC,Su, <1mm	12					12.90
13													FR,IR,Ro,DC,Si, <1mm	12					13.17
					9								JN,PL,Ro,DC,Si, <1mm	12					
													JN,PL,Ro,CC,Qz, <1mm	12					
14				14.00															
		End of Drillhole.																	
15																			
16																			
17																			
18																			
19																			

DEPTH SCALE

1 : 50

LOGGED: CA/CH

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-05

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989859 E: ~537190 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/14/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊢○ W ⊣ Wl) (field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ground Surface														
	LF-70 (HQ3) Diamond Drilling	**(PT)** SILTY PEAT, fibrous, spongy, wet, dark brown		0.00												
		(SP) gravelly SAND, some silt, fine to medium sand, fine to coarse and subrounded gravel, brown		0.20												
		(GW) sandy GRAVEL, some silt, fine to coarse and subrounded to subangular gravel, brown, contains cobbles		0.45												
1		No recovery		0.85				1								
2		**(GP)** GRAVEL, coarse and subangular to subrounded (fines washed out)		2.00												
		(GM) sandy SILTY GRAVEL, medium to fine and angular to subangular gravel, coarse to fine sand, grey, contains cobbles, frozen		2.35	1	SC				Vx	43	28	29	○		
3		**(SM)** gravelly SILTY SAND, fine to coarse sand, fine to coarse and angular gravel, contains cobbles, frozen		2.78	2	SC		2		Nbn						
		(ML) sandy SILT, some gravel, coarse to fine sand, coarse to fine and subangular to subrounded gravel, grey, non-cohesive, frozen		3.50												
4								3								
5					3	SC				Vx - Vc						
										Nbe						
6					4	SC		4		Vc - Vr	7	28	65	○		
7					5	SC				Nbe						
								5		Vc - Vr						
8		No recovery		8.00												
9								6								
		(ML) sandy SILT, trace gravel, coarse to medium sand, coarse to fine gravel, grey, non-cohesive, loose		9.50				7								
10					6	SC					5	22	73			

CONTINUED NEXT PAGE

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-05

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989859 E: ~537190 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/14/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3)	Diamond Drilling	**(CL)** sandy CLAYEY SILT, trace gravel, grey, contains cobbles, cohesive, soft to firm, low to medium plasticity *(continued)*		9.92	6	SC		7			5	22	73			
11			10.79 to 11.0 m frozen			7	SC		8		Nbn						
12			12.32 to 12.5 m frozen			8	SC				Nf - Nbn						
13			**(ML)** SILT, some fine to coarse sand, coarse to fine and subangular to subrounded gravel, contains cobbles, non-cohesive		12.50				9								
			No recovery		13.47												
14			**(ML)** SILT, some fine to coarse sand, coarse to fine and subangular to subrounded gravel, contains cobbles, non-cohesive		14.00	9	SC		10								
15			**(ML/SP)** SILT and SAND, some gravel, coarse to fine sand, coarse to fine and subangular to subrounded gravel, grey, non-cohesive		14.98	10	SC		11			8	42	50			
16			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		15.97												
17																	
18																	
19																	
20																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-05

SHEET 3 OF 3

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6989859 E: ~537190 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/14/2012-6/15/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
16	LF-70 (HQ3) Diamond Drilling	Moderately weathered, thickly foliated, grey, fine grained, faintly porous, weak, GREYWACKE or SILTSTONE, presence of quartz veins		15.97	11								JN,PL,Ro,IN,Qz, 5mm	6					
													FR,IR,Ro,-,-, 2mm	6					
													FR,IR,Ro,IN,Si, 17mm	0					
													FR,IR,Ro,CC,Si, 4mm	6					
													JN,ST,Ro,IN,Qz, 10mm	0					
													JN,PL,Ro,IN,Qz, 14mm	0					
													FR,IR,Ro,IN,Qz, 4mm	6					
17													FR,PL,Ro,-,-	20					
													FR,PL,Ro,IN,Si, 2mm	6					
													JN,PL,Ro,IN,Si, 3mm	6					
													FR,IR,Ro,-,-, 1mm	20					
													FR,IR,Ro,-,-, 2mm	6					
													FR,IR,Ro,-,-, 2	6					
													FR,IR,Ro,DC,Si, <1mm	12					
					12								FR,IR,Ro,IN,Si, 5mm	6					
18													FR,IR,Ro,-,-, 2mm	6					
																		18.12	
																		18.36	
		At 18.5 m becoming fresh and strong											JN,PL,Ro,DC,Si, <1mm	20					
													JN,PL,Ro,-,-, <1mm	20					
													JN,PL,Ro,-,-, <1mm	20					
19					13														
													JN,PL,Ro,DC,Si, <1mm	20					
													JN,PL,Ro,-,-, <1mm	20					
		End of Drillhole.		19.60															
20																			
21																			
22																			
23																			
24																			
25																			

DEPTH SCALE

1 : 50

LOGGED: CA/CH

CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-06

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989652 E: ~537440 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/12/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊢○ W ⊣ Wl) field est. - ◎ lab - ○ ice est. - ⬠ 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface															
0	LF-70 (HQ3) DIAMOND DRILLING	**(PT)** PEAT, organic, fibrous, dark brown to brown		0.00													
		(ML) sandy SILT, some gravel, fine to medium sand, fine and angular to subangular gravel, brown		0.30													
1		**(SM)** gravelly SILTY SAND, some fine and angular to subangular gravel, olive, frozen		0.80						Nbn							
		(GM) sandy SILTY GRAVEL, grey, frozen		1.20	1	SC		1		Vu	55	21	24	○			
		(SM/ML) SILTY SAND/sandy SILT, some fine to coarse and angular to subangular gravel, grey, contains cobbles, frozen		1.60						Nbn							
2		**(SM/ML)** SILTY SAND/sandy SILT, fine to coarse, angular to subangular gravel, grey		2.05													
3		**(CL)** gravelly sandy CLAY, fine to medium sand, fine to angular gravel, grey, contains cobbles		2.90	2	SC		2			31	32	37	○			
4		**(SM)** SILTY SAND, fine to medium sand, angular to subangular gravel, grey, contains cobbles		4.15													
		(SP) gravelly SAND, subangular to subrounded gravel, grey		4.45													
		(GP) sandy GRAVEL, subangular to subrounded gravel, grey		4.65				3									
5		**(SM)** SILTY SAND, some fine to coarse and angular to subrounded gravel, grey, contains cobbles		5.30													
6					3	SC		4									
		(ML) SILT, trace sand, trace gravel, fine to medium and subangular to subrounded gravel, grey, non-cohesive		6.50													
7								5									
8		**(ML)** gravelly sandy SILT, fine to coarse and subangular gravel, grey, contains cobbles, non-cohesive		7.86	4	SC					33	32	35	○			
								6									
9		**(GM)** sandy SILTY GRAVEL, fine to coarse and angular to subrounded, poorly graded, heterogeneneous, grey, frozen, non-cohesive		8.73													
10		*CONTINUED NEXT PAGE*															

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-06

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989652 E: ~537440 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/12/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊖W WI; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) DIAMOND DRILLING	**(GM)** sandy SILTY GRAVEL, fine to coarse and angular to subrounded, poorly graded, heterogeneneous, grey, frozen, non-cohesive *(continued)*						7		Nf							
11					5	SC				Nbn - Nbe							
12					6	SC		8			45	27	28	○			
13		BOULDERS,		13.01													
14		**(ML)** SILT, some sand, trace clay, heterogeneous, grey, slightly cohesive, frozen		13.68	7	SC		9		Nf - Nbn							
15		No recovery		14.50				10									
16		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		15.36													
17																	
18																	
19																	
20																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-06

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989652 E: ~537440 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/12/2012-6/13/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 1 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J_{CON}	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
16	LF-70 (HQ3) DIAMOND DRILLING	Fresh, thickly foliated, grey, fine grained, faintly porous, strong to medium strong, GREYWACKE or SILTSTONE, presence of calcite veins		15.36	10								FR,UN,VR,-,-, -	25					
													VN,PL,SM,IN,Qz, 6mm	0					
													JN,PL,Ro,IN,Si, 2mm	6					
													JN,PL,SM,IN,Qz, <1mm	20					
													JN,PL,SM,IN,Ca, 4mm	6					
													-,-,-						
					11								JN,PL,Ro,IN,Qz, 2mm	6					
													JN,PL,Ro,IN,Si, 3mm	6					
													JN,PL,Ro,-,-	20					
													FR,IR,VR,-,-	20					
													JN,PL,Ro,IN,Qz, 6mm	0					
17													JN,PL,Ro,DC,Si, <1mm	20					
													JN,PL,Ro,-,-	20					
													JN,PL,Ro,-,-						
													OTH,-,-						
					12								JN,PL,Ro,DC,Si, <1mm	20					
													JN,PL,Ro,IN,Qz, 4mm	6					
18													FR,IR,Ro,-,-	20					
													JN,PL,Ro,-,-	20					
													FR,CU,Ro,-,-	20					
													JN,PL,SM,IN,Ca, 2mm	6					
					13								FR,UN,Ro,-,-	20					
19													JN,ST,Ro,-,-	20					
		End of Drillhole.		19.00															
20																			
21																			
22																			
23																			
24																			
25																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-07

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989524 E: ~537550 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/11/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊖W WI; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0	LF-70 (HQ3) Diamond Drilling	Ground Surface															
		(PT) PEAT, fibrous, brown		0.10						Vx							
		(SM) SILTY SAND, medium to coarse, brown, frozen															
		COBBLES,		0.39													
		(SM) gravelly SILTY SAND, grey, contains cobbles, frozen						1									
1					1	SC				Vx							
2		**(SC)** gravelly CLAYEY SAND, fine sand, angular gravel, grey, frozen		1.88						Vx							
										~~ICE~~							
		(SM) SILTY SAND, fine to medium, grey, soft		2.42													
		ICE						2		Nbe							
		(SM) SILTY SAND, some gravel, fine sand, grey, frozen															
3		**(SM)** SILTY SAND, some gravel, fine sand, low plasticity		3.00													
		(ML) CLAYEY SILT, trace sand, frozen		3.20	2	SC											
					3	SC				Nbe	0	2	98				
4		**(SM)** SILTY SAND, fine to medium, grey		4.01				3									
					4	SC											
5																	
								4									
6		**(SP)** gravelly SAND, subangular to subrounded gravel, grey, contains cobbles		5.76	5	SC											
7								5									
					6	SC											
8																	
		(CL) gravelly sandy CLAY, fine sand, subangular to subrounded gravel		8.10													
					7	SC					27	35	38				
								6									
9										Nbe							
								7		Nbn							
10		*CONTINUED NEXT PAGE*															

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-07

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989524 E: ~537550 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/11/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊢ ⊖ W ⊣ Wl) 10 20 30 40 (field est. - ◎ / lab - ○ / ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(CL)** gravelly sandy CLAY, fine sand, subangular to subrounded gravel *(continued)*						7								
					8	SC					24	35	41	○		
11										Nbn						
								8								
12					9	SC				Nf						
13		**(ML)** sandy SILT, trace gravel, grey, frozen, contains cobbles and boulders (38cm)		13.00				9								
					10	SC				Nf	1	28	71	‖ ○		
14																
								10								
15										Nf-Nbn						
								11								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		15.60												
16																
17																
18																
19																
20																

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-07

SHEET 3 OF 3

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6989524 E: ~537550 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/11/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
16	LF-70 (HQ3) Diamond Drilling	Fresh to slightly weathered, thickly foliated, grey, fine grained, faintly porous, strong to medium strong, GREYWACKE ot SILTSTONE, presence of calcite veins		15.60	11								FR,CU,Ro,DC,Si, <1mm	20					
													JN,PL,SM,DC,Si, <1mm	20					
													VN,PL,-,IN,Qz, 3mm	20					
													FR,IR,Ro,DC,Si, <1mm	12					
17													JN,ST,Ro,DC,Si, <1mm	20					
													FOL,PL,-,IN,Ca, <1mm to 2mm	6					
													JN,PL,Ro,-,-	20					
													FR,UN,Ro,-,-	20					
					12								VN,PL,-,IN,Qz, <1mm	20					
18													JN,PL,Ro,-,-	20					
													JN,ST,Ro,-,-	20					
													FR,U,Ro,-,-	20					
													JN + FOL,IR,Ro,-,-	20					
													JN,ST,Ro,-,-	20					
					13								JN,PL,Ro-SM,-,-, <1mm	12					
19													FOL,PL,-,DC,Ca, <1mm	20					
		End of Drillhole.		19.00															
20																			
21																			
22																			
23																			
24																			
25																			

DEPTH SCALE

1 : 50

LOGGED: CA/CH

CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-08

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989424 E: ~537740 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/10/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊢○ W ⊣ Wl) field est. - ◎ lab - ○ ice est. - ⬠ 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														
0	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, fibrous		0.06						Vx						
		(SM) SILTY SAND, fine to medium, brown, frozen						1		Nbn						
1		**(SP)** gravelly SAND, fine to coarse, coarse and angular to subrounded gravel, brown, frozen, contains cobbles		0.76												
		(SM) SILTY SAND, fine to medium, brown, frozen		1.42						Vx						
		(GM) sandy SILTY GRAVEL, fine sand, fine to coarse and angular to subangular gravel, brown, frozen, contains cobbles (19cm)		1.70	1	SC		2		Nbn						
2																
					2	SC					54	20	26	○		
3		**(SC)** CLAYEY SAND, fine to medium, grey, contains cobbles		3.10	3	SC		3								
		(SP) gravelly SAND, coarse and subangular to subrounded gravel, fine to coarse sand, grey, frozen		3.40						Nbn						
4		**(SC)** CLAYEY SAND, grey, contains cobbles		4.08	4	SC		4								
5		**(GP)** gravelly SAND, coarse and subangular to subrounded gravel, fine to coarse sand, grey, contains cobbles		4.84												
		(SM) gravelly SILTY SAND, fine to coarse sand, fine to coarse and subangular to subrounded gravel, grey, contains cobbles		5.20												
6					5	SC		5								
7		**(SM)** gravelly SILTY SAND, fine to coarse sand, fine to coarse gravel, non-cohesive, grey		6.50				6								
8																
9								7								
10		*CONTINUED NEXT PAGE*														

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-08

DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989424 E: ~537740 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/10/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % Wp W Wl (field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(SM)** gravelly SILTY SAND, fine to coarse sand, fine to coarse gravel, non-cohesive, grey *(continued)*			6	SC		8			17	60	23	○		
11																
12		**(SP/ML)** SAND and SILT, some gravel, fine to coarse sand and gravel, non-cohesive, grey, frozen		11.80	7	SC		9		Nf-Nbn	10	46	44	○		
13		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		12.78												
14																
15																
16																
17																
18																
19																
20																

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-08

SHEET 3 OF 3

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6989424 E: ~537740 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/10/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
13	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, gray, fine grained, faintly porous, very strong, GREYWACKE or SILTSTONE, presence of calcite veins		12.78	9								FR,IR,Ro,-	0					
													FR,IR,Ro,-	0					
												•	JN,PL,Ro,-	25					
												•	JN,PL,SM,CC,Si	12					
					10								FR,IR,Ro,DC,Si	0					
14												•	JN,PL,SM - Ro,DC,Su	12					
													JN,U,SM,IN,Si	6					
												•	JN,PL,Ro,CC,Si	20					
15													JN,ST,Ro,IN,Qz	0					
					11														
16		End of Drillhole.		16.00															
17																			
18																			
19																			
20																			
21																			
22																			

DEPTH SCALE

1 : 50

Golder Associates

LOGGED: CA/CH

CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-09

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989211 E: ~538068 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	Diamond Drilling	**(CL)** sandy SILTY CLAY, brown to grey, frozen, contains cobbles		0.00												
1						1	SC		1		Nbn	0	26	74			
2						2	SC				Vx						
3			**(GM/SM)** SILTY SAND and SILTY GRAVEL, angular to subrounded gravel, frozen, contains cobbles		2.62				2		Nbn						
4			No Recovery		4.20				3								
5			**(SM)** SILTY SAND, grey, non-cohesive, frozen		5.50						Vr-Vu						
6			**ICE + (SM)** SILTY SAND, grey		6.16	3	SC		4		Vr-ICE						
7			**(CL/SM)** SILTY CLAY and SILTY SAND, trace gravel, grey		7.00	4	SC					2	46	52			
8			**(SM)** SILTY SAND, grey, heterogeneous, non-cohesive, grey, frozen, contains cobbles and boulders		7.60	5	SC		5		Nbn-Nbe						
9									6								
10			**(GM)** SILTY GRAVEL, fine to coarse, subangular to subrounded, some sand, grey, non-cohesive		9.24	6	SC				Nbn-Nbe						
			CONTINUED NEXT PAGE														

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-09

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989211 E: ~538068 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(SM)** gravelly SILTY SAND, fine to coarse and subangular to subrounded gravel, grey, non-cohesive, contains cobbles, frozen		10.00												
					7	SC		7		Nf-Nbe	28	37	35	○		
11																
12								8								
13								9								
14					8	SC					27	38	35	○		
15								10		Nf-Nbn						
16																
17								11		Nbn-Nbe						
					9	SC										
								12								
18		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		17.58												
19																
20																

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-09

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989211 E: ~538068 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/10/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING / ALTERATION W5 W2 W3 W4 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
18	LF-70 (HQ3) Diamond Drilling	Fresh to slightly weathered, thickly foliated, grey, fine granined, faintly porous, medium strong to strong, GREYWACKE or SILTSTONE, presence of caclite veins		17.58	12								JN(x1),PL,Ro,DC,Si, <1mm	20					
19													JN(x1),PL,Ro,DC,Si, <1mm	20					
													JN(x1),PL,Ro,-	20					
					13								FR,PL-ST,Ro,He + Si, 2mm	0					
20													VN(x1),PL,SM,Qz, 4-5mm	0					
		End of Drillhole.		20.50															
21																			
22																			
23																			
24																			
25																			
26																			
27																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-10

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6988970 E: ~538340 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/8-6/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊢○W⊣ Wl) field est. - ◎ lab - ○ ice est. - ⬠ 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface															
0	LF-70 (HQ3) Diamond Drilling	**(SM)** gravelly SILTY SAND, fine to coarse and subangular to subrounded gravel, brown, contains cobbles		0.00	1	SC				Nf							
1		**(ML/SM))** SILT and SAND, some subangular to subrounded gravel		0.99	2	SC		1		Nf Vx - Vr	10	41	49	○			
2		**ICE + (SM)** SILT, clear, colourless		2.20						~~ICE + ML~~							
		(ML) SILT, some sand, trace gravel, grey, non-cohesive		2.37	3	SC		2		Vr-Vs							
3		**(ML)** gravelly sandy SILT, coarse and subangular to subrounded gravel, grey, non-cohesive, frozen		3.00	4	SC				Nf							
					5	SC		3		Nbn-Nbe	32	31	37	○			
4		**(ML)** gravelly sandy SILT, coarse and subangular to subrounded gravel, grey, non-cohesive, contains cobbles		4.00	6	SC											
5		**(ML)** gravelly sandy SILT, coarse and subangular to subrounded gravel, grey, non-cohesive, frozen, contains cobbles		4.73	7	SC		4		Nbn-nbe							
6		**(ML/SP)** gravelly SILT and SAND, grey, non-cohesive, frozen		5.80	8	SC		5			15	40	45	○			
		(ML/SP) gravelly SILT and SAND, fine to coarse and subangular to subrounded gravel, grey, contains cobbles and boulders		6.65	9	SC		6		Nbn							
7								7									
8					10	SC		9									
9																	
					11	SC		10			17	39	44				
10		*CONTINUED NEXT PAGE*															

DEPTH SCALE
1 : 50

LOGGED: CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-10

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6988970 E: ~538340 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/8-6/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(ML/SP)** gravelly SILT and SAND, fine to coarse and subangular to subrounded gravel, grey, contains cobbles and boulders *(continued)*			11	SC		10		Nbn-nbe	17	39	44			
11								11								
12								12								
13																
14								13								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		14.40												
15																
16																
17																
18																
19																
20																

SHEAR STRENGTH Cu, kPa: nat V. + Q - ● / rem V. ⊕ U - ○; 20 40 60 80
WATER CONTENT %: Wp — W — Wl; 10 20 30 40; field est. - ◎ / lab - ○ / ice est. - ⬠
RECOVERY %: 80 60 40 20

DEPTH SCALE
1 : 50

LOGGED: CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-10

SHEET 3 OF 3

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6988970 E: ~538340 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/9/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J_{CON}	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
15	LF-70 (HQ3) Diamond Drilling	Fresh to slightly weathered, thickly foliated, grey, fine grained, faintly porous, medium strong to strong, GREYWACKE or SILTSTONE, presence of caclite veins		**14.40**	13								JN,PL,Ro,-	12					
													JN,PL,SM,-	6					
					14								JN,PL,SM,IN,Si, < 1mm	0					
16													SH,-,-	6					
													VN,IR,SM,SA,Qz, < 2mm	6					
					15								VN,IR,SM,SA,Qz, < 2mm	6					
													VN,IR,SM,SA,Qz, < 2mm	6					
17													JN,PL,Ro,-	20					
													JN,PL,Ro,IN,Si, > 2mm	6					
													JN,ST,Ro,DC,Fe, < 1mm	20					
18													VN,PL,SM,IN,Qz, 6mm	0					
					16								VN,PL,SM,IN,Ca, 1mm	20					
													JN,PL,Ro,-	0					
													JN,PL,Ro,DC,Fe, < 1mm	20					
													JN,CU,Ro,DC,Si, 4mm	12					
19		End of Drillhole.		18.95															
20																			
21																			
22																			
23																			
24																			

DEPTH SCALE

1 : 50

LOGGED: CH

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-11

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6988843 E: ~538641 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/8/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	DIAMOND DRILLING	**(PT)** PEAT,		0.04												
			(SM) SILTY SAND, some fine and subangular to subrounded gravel, with organics, dark brown, frozen			1	SC				Nbn						
1			**(GM)** sandy SILTY GRAVEL, subangular to subrounded, brown, frozen, contains cobbles		0.78	2	SC		1		Vx	50	32	18	○		
						3	SC										
2			**(SM)** gravelly SILTY SAND, fine to coarse, brown, frozen		2.14	4	SC				Vx	25	47	28	○		
			BOULDERS,		2.54				2								
3			**(GP)** GRAVEL, well sorted, subangular to subrounded, grey, frozen		3.04	5	SC				Nbn						
			COBBLES AND BOULDERS,		3.50												
4			**(GM)** sandy SILTY GRAVEL, fine to coarse and subangular to subrounded gravel, grey, frozen, contains cobbles		4.10	6	SC		3		Nbn	34	34	32	○		
						7	SC				Vx						
5																	
						8	SC		4		Nbn	38	34	28	○		
6																	
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		6.30												
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-11

SHEET 2 OF 2

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6988843 E: ~538641 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/8/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
7	LF-70 (HQ3) DIAMOND DRILLING	Fresh to slightly weathered, thickly foliated, grey, fine grained, faintly porous, strong to very strong, GREYWACKE to SILSTONE, presence of calcite veins		6.30	4								JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
					5								JN,PL,Ro,-	20					
													JN,ST,Ro,ST	20					
8													FOL,IR,Ro,SA	20					
													JN,IR,Ro,-	25					
													FOL,PL,Ro,SA	20					
													FOL,PL,Ro,SA	20					
													JN,IR,Ro,-	20					
					6								BC,IR,Ro,-	20					
9													FOL,PL,Ro,SA	20					
													FOL,PL,Ro,SA	20					
													FOL,PL,Ro,SA	20					
													FOL,IR,PO,SA	20					
													JN,IR,PO,-	20					
													JN,PL,SM,-	20					
													JN,PL,SM,-	20					
													FR,IR,Ro,IN,Qz, 13mm	0					
					7								BC,IR,Ro,SA	6					
10													JN,ST,Ro,-	20					
													JN,IR,Ro,-	20					
													JN,PL,Ro,-	20					
11													FOL,PL,Ro,SA	20					
		End of Drillhole.		11.00															
12																			
13																			
14																			
15																			
16																			

DEPTH SCALE

1 : 50

LOGGED: CA/CH

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-12

DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6988875 E: ~538808 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/7/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														
0	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT,		0.04												
		(GP) GRAVEL, fine to coarse, contains cobbles														
		(SM/GM) SILTY SAND and SILTY GRAVEL, fine to coarse and subrounded to subangular gravel, grey, frozen, conatins cobbles		0.61	1	SC		1		Nbn	42	39	19	○		
1		**(GM)** sandy SILTY GRAVEL, fine to coarse and subangular to subrounded gravel, grey, frozen, contains cobbles		1.10	2A	SC				Vx	48	27	25			
					2B	SC		2		Vx	56	21	23			
2		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		2.30												
3																
4																
5																
6																
7																
8																
9																
10																

DEPTH SCALE
1 : 50

LOGGED: CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-12

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6988875 E: ~538808 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/7/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
3	LF-70 (HQ3) Diamond Drilling	Fresh to slightly weathered, thickly foliated, grey, fine grained, faintly porous, strong to very strong, GREYWACKE to SILSTONE, presence of calcite veins		2.30	2								JN,PL,Ro,-	20					
													FR,IR,Ro,SA	20					
													FOL,PL,Ro,-	20					
													JN,PL,Ro,-	20					
													JN,UN,Ro,IN,Ca, 2mm	6					
4					3								JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
													FR,UN,Ro,CC,Ca	12					
													BC,IR,Ro,-	20					
													FOL,PL,Ro,-	20					
5					4								FOL,UN,Ro,-	20					
													JN,UN,Ro,IN,Qz, 5mm	0					
													FOL,PL,Ro,-	20					
													JN,UN,Ro,-	20					
													FOL,UN,Ro,-	20					
													JN,IR,Ro,-	20					
													FOL,UN,Ro,-	20					
6													BC,IR,Ro,-	20					
					5								FR,UN,Ro,IN,Qz, 9cm	0					
7													JN,UN,Ro,-	20					
													BC,IR,Ro,-	20					
					6								JN,UN,Ro,-	20					
8													JN,UN,Ro,-	20					
9		End of Drillhole.		9.00															
10																			
11																			
12																			

DEPTH SCALE
1 : 50

LOGGED: CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-13

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: in B8 lake
N: ~6988911 E: ~538987 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 4/28/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface														
0	LF-70 (HQ3)	Diamond Drilling	ICE,		0.00				1								
1			**(ML/SP)** SILT and SAND, dark grey, homogeneous, non-cohesive, frozen		1.10	1 1B	SS SS		2		Nbe	0 3	36 35	64 62			Sa 1B = 23.7%*
2			**(ML)** sandy SILT, fine sand, dark yellow, homogeneous, non-cohesive, frozen		1.55	2 2B 3 3B	SS SS SS SS		3		Nbe	1 0 1 0	23 27 27 21	76 73 72 79			Sa 2B = 25.5%* Sa 3B = 18.9%* note: * Moisture content not representative
3						4	SS		4 5 6		Vr-Vs Nbe	0	25	75			
4			**(ML/SP)** SILT and SAND, trace to some gravel, fine sand, grey, non-cohesive, frozen		3.55	5 6	SS SS		7 8		Nbe-Vr	0 9	62 48	38 43			
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.35												
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA/JB
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-13

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: in B8 lake
N: ~6988911 E: ~538987 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 4/29/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	Fresh to slightly weathered, foliated grey, medium grained, strong, GREYWACKE, presence of quartz veins		4.35	8								JN,PL,Ro,ST,Fe JN,PL,Ro,ST,Fe JN,PL,Ro,ST,Fe JN,PL,Ro,ST,Fe VN,PL,Ro,ST,Fe						
6					9								FR,PL,Ro,DC,M, 1						
7					10														
8		At 7.9 m 1 cm thick quartz vein parallel to joint											JN,UN,SM,ST,Fe JN,UN,SM,ST,Fe						
		End of Drillhole.		8.15															
9																			
10																			
11																			
12																			
13																			
14																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA/JB
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-14

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989119 E: ~539176 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/6/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊖W WI; field est. - ◎, lab - ○, ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														
0	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT,		0.02				1	80 60 40 20							
1		**(GM)** sandy SILTY GRAVEL, fine to coarse and subangular to subrounded gravel, grey, contains cobbles and boulders														
2					1	SC		2			41	34	25	○		
3																
4					2	SC		3			54	30	16	○		
5					3	SC		4			54	29	17	○		
6								5								
7																
8								6								
9		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		8.50												
10																

DEPTH SCALE
1 : 50

LOGGED: CA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-14

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989119 E: ~539176 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/6/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION S 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
9	LF-70 (HQ3) Diamond Drilling	Fresh to slightly weathered, thickly foliated, grey, fine grained, faintly porous, strong to very strong, GREYWACKE to SILSTONE, presence of calcite veins		8.50	6								JN,PL,Ro,-	25					
													JN,PL,Ro,-	20					
													JN,ST,Ro,-	20					
													JN,PL,SM,-	20					
													JN,PL,SM,-	20					
													JN,ST,Ro,-	20					
10					7								JN,IR,Ro,-	20					
													JN,IR,Ro,-	20					
													JN,IR,Ro,-	20					
													JN,PL,Ro,-	20					
													FR,IR,Ro,ST	20					
11					8								FR,IR,Ro,SA	12					
													JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
12		End of Drillhole.		12.00															
13																			
14																			
15																			
16																			
17																			
18																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-15

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989198 E: ~539220 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/17/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	RUN No.	RUN RECOVERY %	ICE DESCRIPTION	GRADATION % GRAVEL	GRADATION % SAND	GRADATION % FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○)	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0			Ground Surface															
			(PT) PEAT, spongy, fibrous with rootlets, black		0.08				1									
			(SM) SILTY SAND, trace gravel, coarse to fine sand, trace medium and subangular gravel, brown, contains rootlets, moist		0.21													
1			**(ML)** sandy SILT, trace fine and subangular gravel, grey, contains shells, moist		0.49	1	SC		2			5	44	51				
			(ML/SP) sandy SILT and SILTY SAND, trace coarse and subangular gravel, contains shells, wet															
2			**(ML)** gravelly sandy SILT, coarse and subangular gravel, contains shells, frozen		1.67	2	SC		3		Vr	17	21	62				
3			**(SM)** gravelly SILTY SAND, coarse to fine sand, coarse to fine and subangular gravel, grey, frozen		3.00	3	SC		4		Vr	18	54	28				
4	LF-70 (HQ3)	Diamond Drilling	**(ML)** gravelly sandy SILT, coarse to fine sand, coarse to fine and subrounded to subangular gravel, brown, contains cobbles about 40% by volume (diameter ~250 mm), frozen		3.54	4	SC		5		Nbn	29	31	40				
5									6									
6									7									
7																		
8			**(SP/ML)** gravelly SAND and gravelly SILT, coarse to fine sand, coarse to fine and subrounded to subangular gravel, grey, contains cobbles about 40% by volume (diameter ~250 mm), frozen		7.50	5	SC		8		Nf	19	42	39				
9			**(ML)** gravelly sandy SILT, coarse to fine sand, coarse to fine and subrounded to subangular gravel, grey, contains cobbles about 20% by volume (diameter ~250 mm), frozen		8.50				9									
10			*CONTINUED NEXT PAGE*															

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-15

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989198 E: ~539220 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/17/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(ML)** gravelly sandy SILT, coarse to fine sand, coarse to fine and subrounded to subangular gravel, grey, contains cobbles about 20% by volume (diameter ~250 mm), frozen *(continued)*						10								
11					6	SC				Nf	27	34	39	○		
12								11								
13		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		12.70												
14																
15																
16																
17																
18																
19																
20																

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-15

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989198 E: ~539220 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/17/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J cond	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
13	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE, presence of calcite and quartz veins thick quartz and calcite veins between 13.3 m and 14.0 m		12.70	11							30	FOL,UN,Ro,CC,Si, <1mm						
												30	FOL,UN,Ro,IN,Si/Sa, 30cm						13.00 13.10
14					12														
15					13							30	FOL,UN,Ro,CC,Si, <1mm						
												30	FOL,IR,Ro,CC,Ca, <1mm						
16		thick quartz and calcite veins between 15.75 m and 16.0 m End of Drillhole.		16.00															
17																			
18																			
19																			
20																			
21																			
22																			

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-16

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989381 E: ~539083 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/29/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														
0	LF-70 (HQ3) Diamond Drilling	**(SW/GW)** SAND and GRAVEL, fine to coarse sand, fine to coarse and subangular gravel, brown, moist to wet		0.00				1								
1																
2		**(SM)** gravelly SILTY SAND, fine sand, trace fine to medium and subangular to subrounded gravel, grey, non-cohesive, frozen		1.65	1	SS		2		Nf	29	37	34	○		
								3								
3								4								
4		**(SM/GP)** SILTY SAND and GRAVEL, subangular poorly graded gravel, grey, heterogenous, contains cobbles about ~40% by volume, non-cohesive, frozen		3.50						Nf-Nbn						
					2	SC		5						○		
5		at 5.5 m assumed transition between SILTY SAND and GRAVEL to sandy SILTY GRAVEL														
6								6								
7		**(GM)** sandy SILTY GRAVEL, fine sand, subangular gravel, grey, heterogenous, contains cobbles about 40% by volume, non-cohesive, frozen		7.00												
					3	SC		7		Nf	41	30	29	○		
8																
		No recovery		8.50				8								
9																
10		*CONTINUED NEXT PAGE*														

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-16

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989381 E: ~539083 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/29/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10		**(GM)** sandy SILTY GRAVEL, fine to coarse sand, fine to coarse and angular gravel, grey, heterogenous, non-cohesive, frozen		10.00	4	SC		9		Nf	60	18	22	○		
				10.40												
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.														
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-16

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989381 E: ~539083 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 7/30/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING / ALTERATION W5 W2 W3 W4 1 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
11	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, medium to fine grained, non-porous to faintly porous, medium strong to strong, GREYWACKE or SILTSTONE, presence of fine quartz veins		**10.40**	9								FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,IN,Si/Sa, 30 mm FOL,PL,Ro,CC,Si, <1 mm					10.85 11.00	
12					10								FOL,UN,Ro,IN,Si, 2 mm FOL,UN,Ro,IN,Si/Sa, 20 mm FOL,UN,Ro,IN,Si/Sa, 40 mm FOL,UN,Ro,CC,Si, 1 mm						
13		2 quartz veins (>1 cm thick)			11								FOL,PL,Ro,CC,Si, <1 mm FOL,UN,Ro,IN,Si, 2 mm						
14		End of Drillhole.		14.00															
15																			
16																			
17																			
18																			
19																			
20																			

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-17

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989520 E: ~538949 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/28/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ground Surface														
	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, black, spongy, moist contains fibers and rootlets		0.05	1	GS					2	79	19			
		(SM) SILTY SAND, fine to coarse sand, trace fine to coarse and subrounded gravel, brown, contains cobbles and roolets, moist		0.30	2	GS					10	81	9			
1		**(SP)** SAND, some silt and gravel, fine to coarse sand, fine to coarse and subrounded gravel, brown to grey, contains subangular cobbles and shells, moist to wet		0.60				1								
		No recovery.														
2		**(ML)** SILT, some sand and gravel, grey, non-cohesive, homogeneous, frozen		2.47	3	SS	51	2			10	12	78			
3		marine odour, contains crushed fine shells						3		Nf						
		(SM) gravelly SILTY SAND, non-cohesive		3.35	4	SC					28	37	35			
4		BOULDERS and COBBLES,		3.65				4								
5																
6								5								
7		**(ML)** gravelly sandy SILT, fine to coarse and subangular gravel, some sand, non-cohesive, heterogenous, frozen		7.10	5	SC		6		Nf	33	31	36			
8																
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		8.50												
9																
10																

DEPTH SCALE
1 : 50

LOGGED: FA/AS
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-17

SHEET 2 OF 2

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6989520 E: ~538949 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/4/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J_CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
9	LF-70 (HQ3) Diamond Drilling	Slightly weathered to fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE, presence of calcite veining		8.50	6								FOL,PL,Ro,-						
10													FOL,PL,Ro,-					Lost Core	9.30
11					7													Broken Core	10.00
		End of Drillhole.		11.50															
12																			
13																			
14																			
15																			
16																			
17																			
18																			

DEPTH SCALE

1 : 50

LOGGED: FA/AS

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-18

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989667 E: ~538811 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/27/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊖W WI; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														
0	LF-70 (HQ3) Diamond Drilling	**(SM)** gravelly SILTY SAND, (assumed)		0.00												
1		**(GM)** sandy SILTY GRAVEL, beige to grey, heterogeneous, contains cobbles about 70% by volume, non-cohesive, frozen		0.75				1								
					1	SC				Vs	43	30	27			
2								2								
					2	SC				Nf	41	30	29			
		(ML) gravelly sandy SILT,		2.50												
3					3	SC		3			32	30	38			
4		BOULDERS,		3.95												
		(ML/SP) gravelly SILT and SAND, grey, heterogeneous, contains cobbles about 70% by volume, non-cohesive, frozen		4.25				4								
5								5								
6																
					4	SC					19	41	40			
7								6								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		7.30												
8																
9																
10																

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-18

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6989667 E: ~538811 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 7/27/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
8	LF-70 (HQ3) Diamond Drilling	Slightly weathered, thickly bedded, grey, medium grained, slightly porous, strong GREYWACKE or SILTSTONE, presence of calcite veining		7.30	6								FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,CC,Ca, <1 mm FOL,UN,Ro,CC,Ca, <1 mm FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,CC,Ca/Si, <1 mm FOL,UN,Ro,IN,Si, 5 mm						
9					7								FOL,UN,Ro,CC,Si, 1 mm FOL,UN,Ro,IN,Si, 3 mm FOL,UN,Ro,CC,Si, 1 mm FOL,IR,Ro,ST FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,CC,Si, <1 mm FOL,IR,Ro,CC,Si, <1 mm						
10					8								FOL,UN,Ro,IN,Si, 2 mm FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,IN,Si, 4 mm FOL,UN,Ro,IN,Si, 2 mm FOL,IR,Ro,IN,Si, 1 mm FOL,PL,Ro,CC,Ca, <1 mm						
11		Hole observed in rock, approximately 0.5 cm deep											FOL,UN,Ro,-						
													FOL,UN,Ro,IN,Si, 2 mm FOL,UN,Ro,CC,Si, 1 mm FOL,UN,Ro,IN,Si, 2 mm						
		End of Drillhole.		11.25															
12																			
13																			
14																			
15																			
16																			
17																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-19

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: H15H lake
N: ~6990124 E: ~538413 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/1/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ice Surface														
0	LF-70 (HQ3) Diamond Drilling	ICE,		0.00				1								
		COBBLES,		0.30												
1		**(SM)** gravelly SILTY SAND, angular gravel, beige, frozen		0.70				2		Nbe to Nbn						
		(ML) sandy SILT, some gravel, beige, homogeneous, non-cohesive, frozen		1.30	1 1B	SS SS		3		Nbn	0 16	34 24	66 60			Sa 1B = 15.2%*
		(SM) gravelly SILTY SAND, beige to dark grey, heterogeneous, non-cohesive, frozen fine white shell fragments at 1.98-2.53 m		1.65	2 2B	SS SS		4		Nbe to Nbn	17 26	55 45	28 29			Sa 2B = 12.1%*
2					3 3B	SS SS		5		Vs to Vc	19 7	57 65	24 28			Sa 3B = 12.5%*
		(ML) gravelly sandy SILT,		2.53	4	SS		6		Vr	29	33	38			
		(SM) SILTY SAND, trace gravel, grey, homogenoeus, non-cohesive, frozen		2.71	5 5B	SS SS		7			0 8	78 59	22 33			Sa 5B = 16.2%* note: * Moisture content not representative
3		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		3.05												
4																
5																
6																
7																
8																
9																
10																

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-19

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: H15H lake
N: ~6990124 E: ~538413 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/1/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING / ALTERATION W2 W3 W4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
4	LF-70 (HQ3) Diamond Drilling	Slightly weathered, thickly foliated, grey, fine grained, faintly porous, medium strong, GREYWACKE or SILTSTONE		3.05	8								JN,UN,Ro,ST, 1	20					
													JN,UN,Ro,SA,M, 1	20					
					9								JN,UN,Ro,SA,M, 1	20					
5													JN,UN,Ro,SA,Sa, 1	20					
													VN,UN,Ro,SA,Qz, 1	20					
													VN,UN,Ro,SA,Pg, 1	20					
6					10														
		End of Drillhole.		6.18															

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-20

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990437 E: ~538104 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/31/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	RUN No.	RUN RECOVERY %	ICE DESCRIPTION	GRADATION % GRAVEL	GRADATION % SAND	GRADATION % FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	Diamond Drilling	**(PT)** PEAT, spongy, black, moist, fibrous contains rootlets		0.07				1								
1			**(SW/GW)** SAND and GRAVEL, coarse to fine sand, coarse to fine and subrounded gravel, brown, contains cobbles (diameter ~100 mm), moist to wet														
			COBBLES, diameters about ~100 mm, ~200 mm, ~250 mm		1.25				2								
2									3								
			(SW/GW) SAND and GRAVEL, coarse to fine sand, coarse to fine and subrounded gravel, grey, contains cobbles (diameter ~100 mm), wet		2.15				4								
3																	
			BOULDERS, diameters about ~1300 mm and 1000 mm		3.65				5								
4																	
5									6								
6			at 6 m a brown silt layer about 200 mm thick between boulders														
			(ML) gravelly sandy SILT, angular and coarse sand, grey, heterogenous, non-cohesive, frozen		6.60	1	SC		7			19	32	49			
7			at 6.9 m a 350 mm boulder								Nf						
			(SM/GP) SILTY SAND and GRAVEL, subrounded gravel, beige, heterogenous, contains cobbles, non-cohesive, frozen		7.50				8								
8																	
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		8.30												
9																	
10																	

SHEAR STRENGTH Cu, kPa: nat V. + Q - ● / rem V. ⊕ U - ○ (20, 40, 60, 80)
WATER CONTENT %: Wp — W — Wl (10, 20, 30, 40); field est. - ◎ / lab - ○ / ice est. - ⬠

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-20

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990437 E: ~538104 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 7/31/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J_CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
9	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE, presence of quartz veining		8.30	8								FOL,PL,Ro,ST FOL,UN,Ro,CC,Si, <1mm						8.90 9.11
10					9								FOL,UN,Ro,CC,Si, <1mm FOL,UN,Ro,ST FOL,PL,Ro,ST FOL,UN,Ro,ST FOL,UN,Ro,ST FOL,UN,Ro,CC,Si, <1mm						9.33 9.54
11													FOL,UN,Ro,ST						
		End of Drillhole.		11.00															
12																			
13																			
14																			
15																			
16																			
17																			
18																			

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-21

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990433 E: ~537879 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/19/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	RUN No.	RUN RECOVERY %	ICE DESCRIPTION	GRADATION % GRAVEL	GRADATION % SAND	GRADATION % FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	Diamond Drilling	**(GW)** GRAVEL, coarse and angular to subangular gravel, some sand, trace silt, dark brown to black		0.00				1								
2			**(GW)** GRAVEL, coarse and angular to subangular, some sand, trace silt, grey		2.50				2								
4			**(SM)** gravelly SILTY SAND, fine to coarse and angular to subangular gravel, non-cohesive, grey		4.00	1	SC		3			31	39	30	○		
5			**(ML)** sandy gravelly SILT, grey		5.50	2	SC		4			34	20	46	○ NP		
6			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		6.24												
10																	

SHEAR STRENGTH Cu, kPa: 20 40 60 80 — nat V. + Q - ● — rem V. ⊕ U - ○
WATER CONTENT %: Wp ⊖W WI — 10 20 30 40 — field est. - ◎ — lab - ○ — ice est. - ⬠

DEPTH SCALE
1 : 50

LOGGED: CH
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-21

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990433 E: ~537879 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/19/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 1 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
7	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, faintly porous, strong, GREYWACKE or SILTSTONE, presence of calcite veins		6.24	4								JN,PL,Ro,-,-, >5mm	0					
													JN,PL,Ro,-,-, <1mm	20					
					5								JN,PL,Ro,IN,Ca, 1mm	6					
													JN,PL,Ro,IN,Ca, 3mm	6					
													JN,PL,Ro,-,-, 3mm	6					
													JN,PL,Ro,IN,Ca, 1mm	6					
													FR,IR,Ro,-,-, <1mm	20					
8													JN,IR,Ro,IN,Ca, 4mm	6					
													JN,UN,Ro,IN,Ca, 3mm	6					
													JN,PL,Ro,-,-, <1mm	20				8.09–8.21	
													JN,IR,Ro,IN,Qz, 35mm	0					
													FR,IR,Ro,-,-, 4mm	6					
					6								JN,PL,Ro,IN,Ca, <1mm	25					
9													JN,PL,Ro,IN,Ca, <1mm	6					
													JN,PL,Ro,IN,Ca, <1mm	6					
													JN,PL,Ro,IN,Ca, <1mm	6					
													JN,PL,Ro,IN,Ca, <1mm	6					
													JN,PL,Ro,IN,Ca, <1mm	6					
													JN,PL,Ro,IN,Ca, <1mm	6					
													JN,IR,Ro,IN,Qz/Su, 2mm	6					
													JN,ST,Ro,-,-, 2mm	6					
10													JN,PL,Ro,IN,Ca, <1mm	6					
													~~JN,IR,Ro,-,-, <1mm~~	~~20~~					
		End of Drillhole.		10.00															
11																			
12																			
13																			
14																			
15																			
16																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-22

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990466 E: ~537714 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/18/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ground Surface														
	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, fibrous, dark brown		0.05												
1		**(SM)** gravelly SILTY SAND, angular to subangular gravel, brown to grey, contains cobbles and boulders			1	SC		1		Vu	33	35	32	○		
2					2	SC		2			32	34	34	○		
		COBBLES,		2.75												
3								3								
				3.67												
4		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.														
5																
6																
7																
8																
9																
10																

SHEAR STRENGTH Cu, kPa: nat V. + Q - ● / rem V. ⊕ U - ○; 20 40 60 80
WATER CONTENT %: Wp ⊢○ W ⊣ Wl; 10 20 30 40; field est. - ◎ / lab - ○ / ice est. - ⬠

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-22

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990466 E: ~537714 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/18/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
4	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, faintly porous, strong, GREYWACKE or SILTSTONE, presence of calcite veins		3.67	3								JN,PL,Ro,IN,Qz, 4mm	6					
													JN,PL,SM,-,-, 1mm	6					
													JN,PL,SM,-,-, 2mm	6					
					4								FR,IR,Ro,-,-, <1mm	25					
5													JN,CU,Ro,IN,Qz, 3mm	6					
													JN,PL,Ro,DC,Qz, 3mm	6					5.01
																			5.30
													JN,PL,Ro,DC,Qz, 2mm	6					
													JN,PL,Ro,DC,Qz/Su, 2mm	6					
6													FR,IR,Ro,-,-, <1mm	25					
													JN,CU,Ro,-,-, 1mm	6					
													JN,PL,Ro,CC,Qz, <1mm	12					
					5								JN,PL,Ro,CC,Qz, <1mm	12					6.75
7																			
													FR,IR,Ro,IN,Si, 3mm	6					7.29
													JN,PL,Ro,DC,Qz, <1mm	12					
		End of Drillhole.		7.50															
8																			
9																			
10																			
11																			
12																			
13																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-23

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990484 E: ~537514 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/17/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ground Surface														
	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, **(GM)** silty GRAVEL, fine to coarse and subangular to subrounded gravel, non-cohesive, brown, contains cobbles		0.10				1								
2		No recovery		2.25				2								
3		**(GW)** GRAVEL, fine to coarse and subangular to subrounded gravel, some silt, contains cobbles and boulders		3.00				3								
4								4								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.72												
5																
6																
7																
8																
9																
10																

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-23

SHEET 2 OF 2

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6990484 E: ~537514 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/17/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (degrees) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, faintly porous, strong, GREYWACKE or SILTSTONE, presence of calcite veins		4.72	4								FR,PL,Ro,-,-, 2mm	6					
													FR,PL,Ro,-,-, 3mm	6					
													JN,PL,Ro,IN,Qz, 4mm	6					
													JN,ST,Ro,-,-, <1mm	20					
													JN,PL,Ro,IN,Qz/Su, 4mm	6					
													JN,PL,Ro,-,-, <1mm	20					
6					5								JN,PL,Ro,-,-, 2mm	6					
													JN,PL,Ro,-,-, <1mm	20					
													JN,PL,Ro,IN,Qz, 2mm	6					
													JN,PL,Ro,IN,Qz, <1mm	6					
													FR,CU,Ro,-,-, 6mm	0					
													FR,IR,Ro,-,-, <1mm	20				6.20	
7													JN,ST,Ro,-,-, <1mm	20				7.06	
													JN,PL,Ro,-,-, <1mm	20					
													JN,PL,SM,IN,Qz, 3mm	6					
					6								FR,IR,Ro,-,-, 2mm	6					
8													JN,PL,Ro,IN,Qz, 2mm	6					
													FR,CU,Ro,-,-, 3mm	6					
													JN,PL,Ro,-,-, <1mm	20					
													JN,CU,Ro,-,-, 1mm	6					
													JN,PL,Ro,-,-, 1mm	6					
													JN,ST,Ro,-,-, 1mm	6					
													FR,IR,Ro,-,-, 3mm	6					
													JN,PL,Ro,IN,Qz, 1mm	6					
													FR,UN,Ro,-,-, 1mm	6					
9													JN,ST,Ro,-,-, <1mm	20					
		End of Drillhole.		9.00															
10																			
11																			
12																			
13																			
14																			

DEPTH SCALE

1 : 50

LOGGED: CH

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-24

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990238 E: ~537199 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/16/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ground Surface														
		(PT) PEAT, fibrous, dark brown		0.06												
		(GM) GRAVEL, some sand and silt, coarse and angular gravel, dark brown, contains cobbles														
		BOULDERS,		0.58				1								
1		**(GP)** GRAVEL, coarse and subrounded to rounded		1.05												
		(SM/GM) silty SAND and SILTY GRAVEL, fine to medium sand, fine to coarse and angular to subangular gravel, grey.			1	SC										
		(GP) GRAVEL, coarse to fine, subrounded		1.75												
2		**(ML/SP)** gravelly SILT and SAND, fine to coarse and angular to subangular gravel, grey, contains cobbles		2.04				2								
					2	SC					21	38	41	○		
3								3								
					3	SC										
4																
5	LF-70 (HQ3) Diamond Drilling				4	SC		4			15	39	46	○		
6		**(ML)** gravelly sandy SILT, fine to coarse and angular to subangular gravel, grey, contains cobbles		5.90	5	SC		5			23	34	43	○	NP	
7																
		(GP) GRAVEL, coarse to subangular gravel, contains cobbles		7.40												
		(SC) CLAYEY SAND, some silt and gravel, fine to medium sand, fine to coarse and angular to subangular gravel, grey, contains cobbles, frozen		7.70	6	SC		6		Nbn						
8																
		(ML) gravelly sandy SILT, fine to coarse and angular to subangular gravel, grey, contains cobbles		8.38	7	SC				Nbn	21	34	45	○		
9								7								
				9.73	8	SC										
10		*CONTINUED NEXT PAGE*														

DEPTH SCALE
1 : 50

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-24

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: TSF Dike
N: ~6990238 E: ~537199 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/16/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(GM)** silty GRAVEL, some sand, fine to coarse and subangular to subrounded gravel, non-cohesive, grey, *(continued)*			8	SC		7								
11								8								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		11.40												
12																
13																
14																
15																
16																
17																
18																
19																
20																

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA/CH
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-24

SHEET 3 OF 3

LOCATION: TSF Dike

DATUM: Ground Surface

N: ~6990238 E: ~537199 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/16/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																
12	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, faintly porous, strong, GREYWACKE or SILTSTONE, presence of calcite veins	11.40	8														11.90
				9								FR,PL,SM,IN,Si/Sa, 220mm	0					12.50
13												FR,PL,Ro,DC,Si, 1mm	6					
												JN,ST,Ro,DC,Si, 1mm	6					
												JN,PL,Ro,IN,Ca, 2mm	6					
												JN,PL,Ro,IN,Qz, 3mm	6					
												JN,PL,Ro,IN,Qz, 2mm	6					
												JN,PL,Ro,IN,Qz, 2mm	6					
												FR,IR,Ro,-,-, 1mm	20					
14				10								JN,PL,Ro,IN,Qz, 2mm	6					
												FR,IR,Ro,-, 8mm	0					
												JN,PL,Ro,DC,Si, <1mm	6					
												JN,PL,Ro,IN,Qz, <1mm	6					
												JN,PL,Ro,DC,Qz/Su, <1mm	6					
												JN,PL,Ro,DC,Ca, <1mm	6					
15												FR,IR,Ro,-,-, 30mm	0					
												JN,PL,Ro,IN,Qz, 2mm	6					
												JN,PL,Ro,-,-, <1mm	20					
				11								JN,ST,Ro,IN,Qz, <1mm	6					
												JN,PL,Ro,-,-, <1mm	20					
16		End of Drillhole.	15.90															
17																		
18																		
19																		
20																		
21																		

DEPTH SCALE

1 : 50

LOGGED: CA/CH

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-25

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: B7 lake, TSF Dike
N: ~6990080 E: ~537665 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/25/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	RUN No.	RUN RECOVERY %	ICE DESCRIPTION	GRADATION % GRAVEL	GRADATION % SAND	GRADATION % FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														Casing 1.0 m above ground surface
0	LF-70 (HQ3)	Diamond Drilling	**(GW)** sandy GRAVEL, some silt, coarse to fine sand, coarse to fine and subrounded to rounded gravel, brown, contains shells and cobbles about 130 mm to 300 mm, moist		0.00	1	SC		1						○		RST Datalogger 2415
1																	1
2					1+2	Combined	GS					65	24	11			2
																	3
																	4
																	5
3			BOULDERS,		2.83												6
			(SM/GW) SILTY SAND and GRAVEL, coarse to fine sand, coarse to fine and subrounded to rounded gravel, brown, contains shells and cobbles about 130 mm to 300 mm, moist to frozen		3.30	2	SC		2						○		
4			**(ML/SP)** gravelly SILT and SAND, coarse to medium and subrounded to subangular gravel, grey, frozen, contains cobbles about 100 mm, non-cohesive		3.75	3	SC				Nbn	26	36	38	○		
			(GM) sandy SILTY GRAVEL, coarse to medium and subangular gravel, grey, frozen		4.30	4	SC		3			55	24	21	○		
5			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.75												
6																	
7																	
8																	
9																	
10																	

SHEAR STRENGTH Cu, kPa: nat V. + Q - ● / rem V. ⊕ U - ○ (20, 40, 60, 80)
WATER CONTENT %: Wp — W — Wl (10, 20, 30, 40); field est. - ◎ / lab - ○ / ice est. - ⬠

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-25

SHEET 2 OF 3

LOCATION: B7 lake, TSF Dike

DATUM: Ground Surface

N: ~6990080 E: ~537665 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/25/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J con	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	Fresh, non-porous, thickly foliated, strong, grey, fine grained, GREYWACKE or SILTSTONE, with calicte veining		4.75	3								FOL,PL,Ro,ST FOL,PL,Ro,ST FOL,ST,Ro,ST FOL,PL,Ro,ST						7
6					4								FOL,PL,Ro,ST FOL,PL,Ro,ST FOL,PL,Ro,ST FOL,ST,Ro,ST						
7		Silt seam from 7.1 m to 7.17 m											FOL,PL,Ro,DC,Si, <1 mm FOL,PL,Ro,DC,Si, <1 mm FLT,PL,Ro,IN,Si, 170 mm FOL,PL,Ro,DC,Ca, <1 mm						
8					5								FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm						
9					6								FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,-						
10													FOL,PL,Ro,DC,Ca, <1 mm FOL,PL,Ro,DC,Ca, <1 mm						8
11					7								JN,UN,Ro,-,-, <1 mm JN,UN,Ro,ST,Si, <1 mm JN,UN,Ro,-,-, <1 mm JN,UN,Ro,-,-, <1 mm						
12					8														
13					9								VN,PL,Ro,CC,Qz, <1 mm						
14																			

CONTINUED NEXT PAGE

DEPTH SCALE

1 : 50

LOGGED: AS/FA

CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-25

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: B7 lake, TSF Dike
N: ~6990080 E: ~537665 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/25/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J con	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
15		Fresh, non-porous, thickly foliated, strong, grey, fine grained, GREYWACKE or SILTSTONE, with calicte veining *(continued)*			10								JN,UN,Ro,-,-, <1 mm						9
16																			
17					11								JN,UN,Ro,-,-, <1 mm VN,UN,Ro,ST,Qz, <1 mm						
18	LF-70 (HQ3) Diamond Drilling				12														
19																			
20					13								JN,UN,Ro,-,-, <1 mm VN,UN,Ro,-,Qz, <1 mm VN,UN,Ro,-,Qz, <1 mm VN,UN,Ro,-,Qz, <1 mm						10
21					14								VN,UN,Ro,-,Qz, <1 mm VN,UN,Ro,-,Qz, <1 mm VN,UN,Ro,-,Qz, <1 mm VN,UN,Ro,-,Qz, <1 mm						
22		End of Drillhole.		21.90															
23																			
24																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-26

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: B5-D-01 Dike
N: ~6988749 E: ~538071 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/1/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊢ ○W ⊣ Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface															
0	LF-70 (HQ3)	Diamond Drilling	**(SW/GW)** SAND and GRAVEL, coarse to fine sand, coarse to fine and subrounded gravel, brown, contains cobbles about 120 mm, non-cohesive, moist to wet		0.00				1									
1									2									
2									3									
3									4									
4									5									
5			BOULDERS,		4.80													
6			**(ML)** gravelly sandy SILT, some subangular gravel, grey, heterogeneous, non-cohesive, wet		5.45	1	SC		6			19	25	56	○			
7			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		6.50													
8																		
9																		
10																		

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-26

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: B5-D-01 Dike
N: ~6988749 E: ~538071 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/1/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
7	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE, presence of quartz veining		6.50	6								FOL,UN,Ro,CC,Sa/Si, 1 mm FOL,UN,Ro,CC,Si/Ca, 1 mm FOL,UN,Ro,IN,Si, 2 mm FOL,UN,Ro,CC,Si, 1 mm FOL,UN,Ro,IN,Si, 2 mm FOL,UN,Ro,IN,Si, 2 mm						
8					7								FOL,UN,Ro,CC,Si, <1 mm FOL,UN,Ro,IN,Si, 3 mm FOL,UN,Ro,DC,Si, <1 mm						
9					8								FOL,IR,Ro,IN,Si, 1 mm FOL,UN,Ro,- FOL,UN,Ro,ST FOL,UN,Ro,IN,Si, 3 mm FOL,UN,Ro,DC,Si, <1 mm						
		End of Drillhole.		9.70															
10																			
11																			
12																			
13																			
14																			
15																			
16																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-27

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B5-D-01 dike
N: ~6988531 E: ~537853 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/5/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	RUN No.	RUN RECOVERY %	ICE DESCRIPTION	GRADATION % GRAVEL	GRADATION % SAND	GRADATION % FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % Wp W Wl (field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface															
0			ICE,		0.00				1									
1																		
2			WATER,						2									
	LF-70 (HQ3)	Diamond Drilling	**(SM)** gravelly SILTY SAND, coarse to fine sand, coarse and subrounded gravel, grey, non-cohesive, moist		2.34	1	SC					33	49	18	○			
					2.56	2	SC					16	13	71		○NP		
			(ML) sandy gravelly SILT, coarse and subrounded gravel, grey, moist		2.85													
3			**(GP)** GRAVEL, coarse and subrounded, grey, silt adhering to surface of gravel						3									
4									4									
5					5.20													
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.															
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-27

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: B5-D-01 dike
N: ~6988531 E: ~537853 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/5/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W5 W4 W3 W2 W1 ALTERATION 5 4 3 2 1	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J_CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
	LF-70 (HQ3) Diamond Drilling	Slightly weathered to fresh, non-porous, foliated, strong to very strong, grey, fine grained, GREYWACKE or SILTSTONE, presence of calcite veins		5.20															5.20 5.20
				5.49	4														5.49
6		Fresh, non-porous, foliated, very strong, fine grained, GREYWACKE or SILTSTONE, presence of calcite veining										•	JN,PL,Ro						
												•	JN,PL,Ro						
					5							•	JN,PL,Ro						
7												•	VN,PL,Ro,IN,Ca, 10						
												•	JN,PL,Ro						
8												•	JN,PL,Ro						
					6														
9												•	JN,PL,Ro						
		End of Drillhole.		9.10															
10																			
11																			
12																			
13																			
14																			
15																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-28

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: B5-D-02 Dike
N: ~6988697 E: ~540105 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/2/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0			Ground Surface														
	LF-70 (HQ3)	Diamond Drilling	**(OL)** organic SILT,		0.04												
			(ML/SP) SILT and SAND, some gravel, contains shells			1	SC		1		Nf	12	49	39			
1			**(SM)** SILTY SAND, some fine and subangular gravel, grey-black		1.21						Vx						
			(ML/SP) SILT and SAND, trace gravel, contains shells		1.75				2		Vx						
2						2	SC					1	44	55			
			(ML/SP) gravelly SILT and SAND, contains shells			3	SC				Nf	25	36	39	○		
3					3.10				3								
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.														
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-28

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: B5-D-02 Dike
N: ~6988697 E: ~540105 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/3/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	Jcon	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
	LF-70 (HQ3) Diamond Drilling	Slightly weathered to fresh, non-porous, foliated, medium strong to very strong, grey, fine grained, GREYWACKE, presence of calcite veining		3.10	3								JN,CU,Ro,-	20					3.15 / 3.37
													JN,PL,Ro,-	20					
													JN,ST,Ro,-	25					
													JN,PL,Ro,SA	20					
4													JN,ST,Ro,SA	20					
													JN,PL,SM,-	20					
					4								JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
5													JN,CU,Ro,SA	20					
													FR,IR,Ro,-	20					
													JN,PL,SM,IN,Qz, 8mm	0					
													JN,PL,Ro,-	25					
													JN,PL,Ro,SA	20					
													JN,PL,SM,-	20					
													FR,UN,Ro,-	20					
													JN,PL,Ro,SA	20					
6													JN,PL,Ro,-	20					
													JN,PL,Ro,SA	20					
													JN,PL,SM,-	20					
					5								JN,PL,SM,-	25					
													JN,PL,Ro,-	20					
													JN,PL,Ro,SA	20					
													JN,PL,SM,-	20					
													JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					6.67
													JN,PL,Ro,-	20					
7													JN,PL,Ro,-	20					7.00
													JN,ST,Ro,-	20					
													FR,IR,SM,SA,Ca	20					
													JN,CU,Ro,-	20					
													FR,PL,Ro,IN,Ca, 5mm	0					
													FR,IR,Ro,DC,Br/Go/Su	6					
					6								JN,CU,Ro,-	20					
													FR,IR,Ro,IN,Qz, 13mm	0					
													FR,IR,Ro,DC,Ca	0					
													FR,IR,Ro,DC,Qz	0					
8													FR,PL,Ro,DC,Ca	6					8.13 / 8.22
													FR,IR,Ro,CC,Ca, 2mm	6					
													JN,PL,SM,-	20					
													JN,PL,Ro,-	20					
9													FR,IR,Ro,-	0					
					7								JN,PL,SM,DC,Ca	12					
													FR,CU,Ro,-	20					
													FR,IR,Ro,-	0					
													JN,PL,Ro,DC,Ca	20					
													FR,IR,VR,DC,Ca	6					
10													JN,PL,Ro,DC,Ca	20					9.67
		End of Drillhole.		10.00															10.00
11																			
12																			
13																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-29

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: A54 lake, B7-D-02 dike
N: ~6988696 E: ~540229 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 1/5/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○)	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface															
0	LF-70 (HQ3)	Diamond Drilling	ICE,		0.00				1									
			(GP) sandy GRAVEL, contains cobbles		0.37				2									
1			**(GM)** sandy SILTY GRAVEL, angular, dark grey, heterogeneous, non-cohesive, wet		1.07				3									
			(ML/SP) SILT and SAND, trace gravel, grey, homogeneous, non-cohesive, moist		1.50	1	SC					53	19	28	○			Sa 1 = 10.3%*
						2	SC		4			4	42	54	◎			Sa 2B = 11.9%*
2						2B	SC					7	37	56				
			(SM) silty SAND, fine, grey, homogeneous, non-cohesive, frozen		1.97				5		Nbn							
			(SM) silty gravelly SAND, grey, homogeneous, non-cohesive, moist			3	SC					3	30	67	○			Sa 3B = 9.5%*
						3B	SC		6			32	35	33	○			
			(SP) SAND, some gravel		2.74													note: * Moisture content not representative
3			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		2.89													
4																		
5																		
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-29

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: A54 lake, B7-D-02 dike
N: ~6988696 E: ~540229 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/2/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	Jcon	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
3	LF-70 (HQ3) Diamond Drilling	Slightly altered, thickly foliated, grey, fine grained, no visible porosity, medium strong, GREYWACKE or SILTSTONE, presence of fine quartz veins		2.89	6								JN,UN,Ro	20					
													VN,UN,Ro,DC,Qz	20					
					7								VN,UN,Ro,Qz	20					
4																		Lost Core	4.00
																		Lost Core	4.44
5					8								JN,UN,Ro,ST	20					
6		End of Drillhole.		5.98															
7																			
8																			
9																			
10																			
11																			
12																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-30

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: B7-D-02 Dike
N: ~6988684 E: ~540323 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 6/4/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0			Ground Surface															
	LF-70 (HQ3)	Diamond Drilling	**(OL)** organic SILT, COBBLES,		0.10													
1			**(SM)** gravelly SILTY SAND, subrounded to subangular gravel, grey, frozen		0.60	1	SC		1		Nbn	34	38	28	○			
			No recovery		1.40				2									
2																		
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		2.50													
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-30

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: B7-D-02 Dike
N: ~6988684 E: ~540323 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 6/4/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION S 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
3	LF-70 (HQ3) Diamond Drilling	Moderately weathered to fresh, thickly foliated, grey, fine grained, non porous, medium strong to very strong, GREYWACKE, presence of calcite veining		2.50	3								FR,IR,VR,SA	12					
													JN,PL,Ro,SA	20					
													JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
4													FR,IR,Ro,ST	20					
					4								JN,IR,Ro,IN,Ca	6					
													JN,IR,Ro,IN,Ca	6					
5													JN,IR,Ro,IN,Ca	6					
													JN,PL,SM,-	20					
													JN,PL,Ro,-	25					
6													JN,PL,Ro,-	20					
													JN,PL,SM,-	20					
													JN,PL,Ro,-	20					
					5								JN,PL,Ro,-	20					
													JN,PL,Ro,-	20					
7													FR,IR,Ro,-	20					
													JN,PL,SM,ST	6					
					6														
8																			
		End of Drillhole.		8.50															
9																			
10																			
11																			
12																			

DEPTH SCALE
1 : 50

LOGGED: CA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-31

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: B4-D-02 dike
N: ~6987035 E: ~537984 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/4/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊢ W ⊣ Wl) field est. - ◎ lab - ○ ice est. - ⬠ 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface															
0	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, fibrous, dark brown to black, contains organics		0.00				1									
		(GW) GRAVEL, some sand and peat, colour varies, non-cohesive, wet		0.30													
1		**(GM)** sandy SILTY GRAVEL, angular and flat gravel, brown, heterogeneous, non-cohesive, wet		0.70				2									
					1	SC		3			36	33	31		○		
		(SP/ML) SILT and SAND, trace gravel, brown, homogeneous, non-cohesive, wet		1.50	2	SC					4	41	55		○		
2		**(GP)** sandy GRAVEL, grey, heterogeneous, non-cohesive, wet		1.80				4									
		(SP) SAND, trace silt, dark grey to black, heterogeneous, non-cohesive , frozen		2.00				5		Nbn							
		(ML) sandy SILT, some gravel, grey, heterogeneous, non-cohesive, frozen		2.18	3	SC		6		Nbn	10	30	60		○		
3		**(GP)** GRAVEL, medium to coarse, contains cobbles		2.70				7									
		(SW/GW) SAND and GRAVEL, fine to coarse sand, fine to coarse gravel		3.48				8		Nbn							
4																	
5		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.90													
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-31

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: B4-D-02 dike
N: ~6987035 E: ~537984 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/4/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	fresh, thickly foliated, grey, fine grained, non-porous, very strong to strong, GREYWACKE or SILTSTONE, presence of calcite veining		4.90	8														
6					9														
7					10														
8		End of Drillhole.		8.00															
9																			
10																			
11																			
12																			
13																			
14																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-32

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: B45 lake
N: ~6986411 E: ~538967 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/2/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ice Surface														
	LF-70 (HQ3) Diamond Drilling	ICE,		0.00				1								
1		**(ML/SP)** SILT and SAND, trace to some subrounded gravel, black to grey, non-cohesive, frozen		1.00	1	SC		2		Nbe						
								3		Nbe	7	53	40			
					2	SC		4		Nbe	5	48	47			
					2A	SC					1	45	54			
					3	SC		5		Vx	6	43	51			
2								6		Vx						
		bedrock, weathered		2.24				7								
		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: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-32

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: B45 lake
N: ~6986411 E: ~538967 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/3/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 90 60 30	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
3	LF-70 (HQ3) Diamond Drilling	slightly weathered to fresh, foliated, grey, fine grained, non-porous, medium strong, GREYWACKE or SILTSTONE		**2.24**	8								JN,PL,Ro JN,PL,Ro	20 20					2.24 3.48 3.74
4					9														
5																			
6					10														
7		Slightly weathered to fresh, foliated, grey, fine grained, non-porous, medium strong, GREYWACKE or SILTSTONE, presence of quartz veining		6.74	11								JN,IR,Ro,DC,Py, 1 VN,IR,Ro,DC,Qz, 20 JN,PL,Ro,DC,Py, 1 JN,PL,Ro	25 25 20 20					6.90 7.70 7.94 7.94
8		End of Drillhole.		8.24															8.24
9																			
10																			
11																			
12																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-35

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: P-D-02 dike
N: ~6986382 E: ~540218 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/2/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0			Ground Surface														
			(PT) PEAT, black, spongy, fibrous, contains rootlets		0.05												
			(SP/ML) gravelly SAND and SILT, coarse to fine sand, coarse to fine and subrounded gravel, brown, contains shells, non-cohesive, moist to wet			1	SC					16	42	42	○		
1			**ICE + (GM)** sandy SILTY GRAVEL, coarse to fine sand, coarse to fine and subrounded gravel, brown, non-cohesive, frozen		0.68	2	SC		1		ICE	51	15	34	○		
2	LF-70 (HQ3)	Diamond Drilling	**(GM)** sandy SILTY GRAVEL, coarse to fine sand, coarse to fine and subrounded gravel, grey, non-cohesive, frozen		1.91	3	SC		2			42	33	25	○		
3									3								
									4								
									5		Nbn						
4									6								
5									7								
									8								
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		5.65												
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-35

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: P-D-02 dike
N: ~6986382 E: ~540218 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/2/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
6	LF-70 (HQ3) Diamond Drilling	Slightly weathered, foliated, grey and white, fine grained, non-porous, strong, GREYWACKE ot SILTSTONE, presence of calicte veining		5.65	8							30 60 60 90	FOL,IR,Ro,IN,Sa, 30cm FOL,UN,Ro,CC,Sa/Si, 1mm FOL,UN,Ro,IN,Si, 4cm FOL,IR,Ro,CC,Si, 1mm FOL,IR,Ro,CC,Si, 1mm						
7					9							90	CON,UN,Ro,DC,Si, <1mm						
8		Fresh, massive, grey-green, fine grained, non-porous, strong, METAVOLCANIC, presence of calcite veins		7.56	10														
9																			
		End of Drillhole.		9.35															
10																			
11																			
12																			
13																			
14																			
15																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-36

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: P-D-01 dike
N: ~6986326 E: ~540359 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/3/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0		Ground Surface		0.00												
	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, black, spongy, wet, fibrous, contains rootlets		0.19												
		(GM) sandy SILTY GRAVEL, coarse to fine sand, coarse to fine and subangular to subrounded gravel, grey, contains cobbles about 100 mm, wet			1	SC		1			44	30	26			
1																
2		at 2.53 m becoming frozen			2	SC		2								
3				2+3	Composite	GS					32	42	26			
					3	SC		3								
4								4		Nbn						
5								5								
								6								
6								7								
								8								
7		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		6.50												
8																
9																
10																

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-36

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: P-D-01 dike
N: ~6986326 E: ~540359 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/3/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
7	LF-70 (HQ3) Diamond Drilling	Fresh, massive, green, non-porous, medium strong, METAVOLCANIC, contains calciate veins		6.50	8								FOL,UN,Ro,IN,Si, 2mm FOL,UN,Ro,CC,Ca, <1mm						6.50 6.64
													FOL,IR,Ro,CC,Ca, <1mm FOL,UN,Ro,DC,Ca, <1mm						
													FOL,UN,Ro,-,-, <1mm FOL,IR,Ro,CC,Ca-Si, 1mm						
8					9														
													FOL,UN,Ro,CC,Ca-Si, 1mm						8.10 8.40
													FOL,UN,Ro,CC,Ca, <1mm FOL,UN,Ro,IN,Ca, 2mm						
9					10								FOL,UN,Ro,CC,Ca, <1mm						
													FOL,UN,Ro,CC,Ca-Si, <1mm FOL,UN,Ro,IN,Ca-Si, 2mm						
													FOL,UN,Ro,IN,Ca-Si, 2mm						9.50 9.70
10		End of Drillhole.		9.90															
11																			
12																			
13																			
14																			
15																			
16																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-37

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: P-D-01 dike
N: ~6986301 E: ~540593 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/14/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ●, rem V. ⊕ U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0			**(PT)** SILTY PEAT, spongy, light weight, black, fibrous, frozen		0.00												
			(OL/GP) ORGANIC SILT and GRAVEL, coarse to fine gravel, grey-brown-black, frozen		0.20	1	SC										
			(PT) SILTY PEAT, spongy, light weight, fibrous, black, frozen		0.49												
1			**(SM)** gravelly SILTY SAND, coarse to fine sand, coarse to fine and subangular gravel, brown, frozen			2	SC		1		Nbn	35	41	24			
			(OL/GP) ORGANIC SILT and GRAVEL, coarse to fine gravel, contains cobbles, grey-brown, frozen		1.30	3	SC										
			(SM) gravelly SILTY SAND, coarse to fine sand, coarse to fine and subangular gravel, brown, frozen		1.50	4	SC										
2			**(PT)** SILTY PEAT, spongy, black, light weight, frozen		2.08						Nbn						
			(OL/GP) ORGANIC SILT and GRAVEL,						2								
			(SM) gravelly SILTY SAND, coarse to fine sand, coarse to fine and subangular gravel, brown, contains cobbles, frozen		2.66	5	SC				Vu						
3											TCE + soil inclusions						
			(ML) sandy SILT, coarse to fine sand, grey, frozen		3.60	6	SC				Vs	1	24	75			
4						7	SC		3								
			(SM) gravelly SILTY SAND, coarse to fine sand, coarse to fine and subangular gravel, brown, contains cobbles, frozen		4.30						Nbn						
5	LF-70 (HQ3)	Diamond Drilling				8	SC										
									4								
6											Nbn						
7									5								
8																	
9									6								
									7								
10			*CONTINUED NEXT PAGE*														

DEPTH SCALE
1 : 50

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-37

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: P-D-01 dike
N: ~6986301 E: ~540593 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/14/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10								7								
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		10.35												
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

DEPTH SCALE
1 : 50

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-37

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: P-D-01 dike
N: ~6986301 E: ~540593 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/14/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
	LF-70 (HQ3) Diamond Drilling	Moderately weathered, foliated, grey, fine grained, non-porous, medium strong, GREYWACKE or SILSTONE, presence of calcite veining		10.35	7														10.35
11		Slightly weathered																	11.15
12					8								FR,-,- FR,-,- FO,PL,Ro FO,PL,Ro VN,PL,VR,IN,Ca, 100mm FR,-,- VN,PL,VR,IN,Ca, 140mm FO,PL,Ro,DC,Si, <1mm FO,-,- FO,PL,Ro,DC,Si, <1mm						
													FO,PL,VR,DC,Si, <1mm						
		Presence of calcite and pyrite veining											FO,PL,Ro,DC,Py, <1mm FR,-,-						
13					9								JN,PL,Ro,SA JN,PL,Ro,SA FR,-,- VN,PL,Ro,IN,Py, 20mm						
													FO,PL,Ro,DC,Si, <1mm						
14													FR,-,-						13.81
		End of Drillhole.		14.19															14.19
15																			
16																			
17																			
18																			
19																			
20																			

DEPTH SCALE
1 : 50

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-38

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: F-D-02 dike
N: ~6985885 E: ~542787 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp ⊖W Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface															
0	LF-70 (HQ3)	Diamond Drilling	ICE,		0.00													
1			**(PT)** SILTY PEAT, fibrous, spongy, contains cobbles, black		0.91	1	SC		1									
			(GM) SILTY GRAVEL, some sand, subangular and medium to fine gravel, grey, non-cohesive, frozen		1.10	2	SC								○			
			(ML) gravelly sandy SILT, angular to subangular gravel, grey, cohesive, frozen		1.53	3	SC				Nbn	16	16	68		○		
					1.84	4	SC											
2			**(GM)** SILTY GRAVEL, subrounded to subangular and fine to coarse gravel, grey, non-cohesive, frozen		1.95													
			(GW) sandy GRAVEL, some silt, coarse to fine sand, coarse to fine and subrounded to subangular gravel, grey, contains cobbles, frozen			5	SC		2			64	26	10	○			
3									3									
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		3.60													
4																		
5																		
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

LOGGED: AS
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-38

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: F-D-02 dike
N: ~6985885 E: ~542787 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
4	LF-70 (HQ3) Diamond Drilling	Slightly weathered, foliated, grey, fine grained, non-porous, strong to medium strong, GREYWACKE or SILTSTONE, presence of calcite veining 0.38 m SILTY SAND seam		3.60	3								FOL,PL,Ro,DC,Si-Sa, <1mm FOL,PL,Ro,DC,Si-Sa, <1mm FOL,PL,Ro,DC,Ca, <1mm						3.63 3.70 3.82 4.20
5													JN,PL,Ro,ST,-						
6					4								FOL,PL,Ro,DC,Su, <1mm JN,CU,Ro,ST,- JN,CU,Ro,ST,- JN,CU,Ro,ST,-						
7		End of Drillhole.		6.59															
8																			
9																			
10																			
11																			
12																			
13																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-39

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: A53 Lake, F-D-02 Dike
N: ~6986051 E: ~542580 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/7/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80 / WATER CONTENT % (Wp ⊢○ W ⊣ Wl) field est. - ◎ lab - ○ ice est. - ⬠ 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ice Surface														
0	LF-70 (HQ3) Diamond Drilling	ICE,		0.00				1		Nf						
1		ORGANIC, moss, light weight		0.91						Vc						
		(ML) SILT, grey, homogeneous, marine odour, non cohesive, frozen		1.10	1	SC				Nbe Vx						
								2								
2					2	SC				Vr-Vs				○		
		(ML) gravelly sandy SILT, some subangular gravel, dark grey, heterogeneous, conatins cobbles, non-cohesive, frozen		2.35	3	SC				Vx Vc-Vr						
3		**(ML)** sandy SILT, trace gravel, dark grey, heterogeneous, non-cohesive, frozen		3.00	4	SC		3		Nbe				○		
					5	SC				Vc-Vr-Vs Nbe to Nbn	3	20	77	○		
4		**(SM)** gravelly SILTY SAND, sub rounded to sub angular gravel, dark grey, heterogeneous, presence of cobbles, non-cohesive, frozen		3.85	6	SC		4		Nbe to Nbn	24	45	31	○		
5		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		5.05												
6																
7																
8																
9																
10																

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-39

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: A53 Lake, F-D-02 Dike
N: ~6986051 E: ~542580 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/7/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
6	LF-70 (HQ3) Diamond Drilling	Moderatley weathered to fresh, foliated, grey, fine grained, non-porous, medium strong to very strong, GREYWACKE or SILTSTONE, presence of calcite veining		5.05	4														5.57
																			5.85
					5							90	FOL,PL,Ro,DC,Ca, 1 mm						6.13
7																			6.25
					6														
8																			
		End of Drillhole.		8.35															
9																			
10																			
11																			
12																			
13																			
14																			
15																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-40

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: Lake B7, TSF
N: ~6989577 E: ~538221 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 7/26/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface															
0	LF-70 (HQ3)	Diamond Drilling	**(GP/SP)** GRAVEL and SAND, assumed granular material, non-cohesive		0.00				1	80 60 40 20								
1									2									
2			**(SM)** SILTY SAND, beige, heterogeneous, presence of cobbles about 90% by volume, non-cohesive, wet		2.50													
3			**(SM)** gravelly SILTY SAND, fine gravel, grey, heterogeneous, non-cohesive, wet		3.00	1	SC		3						○			
						1+2 combined	GS GS					27	38	35				
4						2	SC		4						○			
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.45													
5																		
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-40

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: Lake B7, TSF
N: ~6989577 E: ~538221 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 7/26/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0-30 30-60 60-90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE ot SILTSTONE		4.45	4								FOL,PL,Ro,CC,Si, <1mm FOL,PL,Ro,CC,Ca, <1mm FOL,ST,Ro,CC,Si, <1mm						
6					5								FOL,UN,Ro,CC,Ca, <1mm FOL,UN,Ro,CC,Si, <1mm FOL,UN,Ro,CC,Si, <1mm FOL,UN,Ro,CC,Ca, <1mm						
7					6								FOL,UN,Ro,CC,Ca, <1mm						
8													FOL,UN,Ro,CC,Ca, <1mm FOL,UN,Ro,CC,Si, <1mm						
		End of Drillhole.		8.10															
9																			
10																			
11																			
12																			
13																			
14																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-41

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6985210 E: ~542190 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/13/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕; Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	Diamond Drilling	**(PT)** SILTY PEAT, spongy, light weight, fibrous, brown		0.05	1	SC										
			(OL) ORGANIC SILT, some subangular and fine to medium gravel, fibrous, grey-brown, frozen		0.47	2	SC				Nbn	60	19	21	○		
			(GM) sandy SILTY GRAVEL, coarse to fine grained and subangular gravel, brown, frozen		0.68	3	SC		1								
1			**(SM)** gravelly SILTY SAND, fine to coarse gravel, fine to coarse and subangular sand, contains cobbles, brown, frozen		1.10	4	SC								○		
			ICE + (SM) SILTY SAND, trace gravel, subangular and fine to medium gravel, fine sand, brown, frozen		1.42												
2			**(SM)** gravelly SILTY SAND, subangular and coarse to fine gravel, fine to coarse sand, brown, contains cobbles, frozen						2		Nbn						
3						5	SC					27	49	24	○		
4									3		Nbn						
5									4		Nbn						
6																	
7									5		Nbn						
8					8.06												
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.														
9																	
10																	

DEPTH SCALE
1 : 50

LOGGED: AS
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-41

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6985210 E: ~542190 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/13/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING / ALTERATION W5 W2 W3 W4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
9	LF-70 (HQ3) Diamond Drilling	Slightly weathered, foliated, grey, fine grained, non-porous, medium strong, GREYWACKE or SILTSTONE, presence of calcite veining		8.06	5								JN,CU,Ro,IN,Si, 50mm FO,PL,Ro,DC,Si, <1mm FO,PL,Ro,DC,Si, <1mm						
					6								FO,PL,Ro,-						
10													FO,PL,Ro,DC,Si, <1mm FO,PL,Ro,DC,Si, <1mm FO,PL,Ro,IN,Si, 2mm FO,PL,Ro,DC,Si, <1mm FO,PL,Ro,DC,Si, <1mm FO,ST,Ro,DC,Si, <1mm FLT,PL,VR,IN,Sa, 40mm FLT,ST,Ro,IN,Sa, 2mm VN,CU,VR,IN,Ca, 100mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,-						
					7								FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,-						
11		End of Drillhole.		11.24									FO,PL,Ro,-						
12													FO,PL,Ro,DC, <1mm FO,PL,Ro,-						
13																			
14																			
15																			
16																			
17																			
18																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-42

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6985065 E: ~542130 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/5/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														
0	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, spongy, fibrous, roots, brown		0.06				1		Nbn						
		BOULDERS,														
		(GP) sandy GRAVEL, subangular to angular gravel, trace silt, grey, frozen		0.69	1	SC										
1		**(GP)** sandy GRAVEL, trace fine silt, subangular to angular gravel, grey, contains cobbles, frozen		1.15												
2		**(GW)** sandy GRAVEL, fine to coarse and subangular to angular gravel, grey, contains shell fragments, frozen		2.52	2A	SC				Nf	73	26	1	○		
3					2B	SC										
		COBBLES,		3.27												
		(GM) sandy SILTY GRAVEL, subangular to angular gravel, grey, frozen		3.55	3	SC					56	26	18	○		
4		**(CL/SP)** gravelly CLAY and SAND,		3.81						Nf						
		(GM) gravelly sandy SILT, fine to coarse and subangular to angular gravel, contains shells, frozen		4.06	4A	SC		2								
					4B	SC				Vx				⊖		
5		**(CL/ML)** sandy CLAY and SILT, grey, contains cobbles, frozen		4.81	4C	SC				Vs						
		(GW) sandy GRAVEL, medium to coarse and angular to subangular gravel, grey, contains cobbles, frozen		5.22	5	SC										
6								3		Nf				○		
7		**(SM)** gravelly SILTY SAND, fine to coarse grained, angular to subangular grains, grey		6.87	6A	SC		4			34	40	26	○		
					6B	SC				Nbn						
8		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		7.85												
9																
10																

DEPTH SCALE
1 : 50

LOGGED: AS/CA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-42

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6985065 E: ~542130 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/13/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
8	LF-70 (HQ3) Diamond Drilling	fresh, foliated, grey, fine grained, non-porous, medium strong, GREYWACKE or SILTSTONE, presence of calcite veining		7.85	4								FO,PL,Ro,DC,Ca, 2mm						
9					5								FO,PL,Ro FO,PL,Ro FO,CU,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro,DC,Si, <1mm FO,PL,Ro FO,PL,Ro FO,PL,Ro FO,CU,Ro,DC,Ca, <1mm FO,PL,Ro						
10					6								FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro,DC,Ca, <1mm FO,PL,Ro FO,ST,Ro						
11													FR,PL,Ro FO,PL,Ro						
		End of Drillhole.		11.07															
12																			
13																			
14																			
15																			
16																			
17																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-43

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984998 E: ~544030 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/8/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	Diamond Drilling	**(PT)** ORGANIC SOIL, grass, spongy, green-brown		0.10												
			(ML) SILT, trace clay, homogeneous, beige, non-cohesive, frozen			1	SC				Nbn				○		
			(PT) PEAT, fibrous to amorphous, brown to black, frozen		0.52												
1			**(SP/ML)** gravelly SAND and SILT, subangular gravel, beige, heterogeneous, frozen		0.75	2	SC		1		Vr-Vc	20	44	36	○		
2			**(SM)** gravelly SILTY SAND, angular to subangular gravel, grey, heterogeneous, contains cobbles and boulders, non-cohesive, frozen		1.60				2		Nbn-Nbe						
3									3		Nbn-Nbe						
			(GW) sandy GRAVEL, some silt, angular to subangular gravel, heterogeneous, grey, non-cohesive, frozen		3.25						Nbe-Nbn						
4						3	SC		4		Nbe-Nbn	56	33	11	○		
5									5								
6			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		5.75												
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-43

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984998 E: ~544030 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/8/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 5 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
6	LF-70 (HQ3) Diamond Drilling	Fresh, foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE, presence of calcite veining		5.75	5								FO,PL,Ro, 1mm FO,PL,Ro JN,PL,Ro FO,PL,Ro,IN,M, 1 to 2mm FO,PL,Ro FO,PL,Ro FO,PL,Ro						
7					6								FO,PL,Ro JN,PL,Ro FO,PL,Ro FO,PL,Ro JN,UN,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro FO,PL,Ro,DC,Ca, 1mm						
8					7								FO,PL,Ro FO,PL,Ro						
9		End of Drillhole.		8.90															
10																			
11																			
12																			
13																			
14																			
15																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-44

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984910 E: ~544113 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/8/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface															
0	LF-70 (HQ3)	Diamond Drilling	**(PT)** SILTY PEAT, fibrous, spongy, brown, frozen		0.00													
			(SM/GM) SILTY SAND and SILTY GRAVEL, coarse to fine sand, coarse to fine and subrounded to subangular gravel, brown, frozen		0.30	1	SC		1			43	40	17	○			
1																		
			(GM) sandy SILTY GRAVEL, coarse to fine and subrounded to subangular gravel, grey, frozen		1.25	2	SC					43	33	24		○		
2									2		Nbn							
3									3									
4			COBBLES,		4.36													
			(GM) sandy SILTY GRAVEL, coarse to fine and subrounded to subangular gravel, grey, frozen		4.50													
5			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.85													
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

LOGGED: AS
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-44

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984910 E: ~544113 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/8/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	Fresh, foliated, grey, fine grained, non-porous, very strong, GREYWACKE or SILTSTONE, presence of calcite veining,		4.85	3								FO,PL,Ro,ST						
					4								FO,PL,Ro,DC,Ca, 1mm						
6													FO,PL,Ro,DC,Py, 1mm						
													VN,PL,Ro,IN,Ca, 2mm						
													VN,PL,Ro,IN,Ca, 2mm						
7					5								FO,PL,Ro,DC,Py, <1mm VN,PL,Ro,IN,Qz, 50mm VN,PL,Ro,IN,Qz, 50mm						
													FO,PL,Ro,DC,Ca, <1mm						
8													FO,PL,Ro,DC,Ca, <1mm						
													FO,PL,Ro,DC,Ca, <1mm						
		End of Drillhole.		8.11															
9																			
10																			
11																			
12																			
13																			
14																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-45

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984812 E: ~544195 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/9/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface														
0	LF-70 (HQ3)	Diamond Drilling	**(PT)** SILTY PEAT, spongy, light, fibrous, contains cobbles and organics, black, frozen		0.00												
			(GM) sandy SILTY GRAVEL, subangular to subrounded gravel, fine to coarse sand, brown, frozen		0.30				1		Nbn						
1						1	SC										
			(ML) SILT, trace gravel, coarse to fine gravel, grey, non-cohesive, frozen		1.24	2	SC				Vu					57	
			(ML/SP) gravelly SILT and SAND, coarse to fine gravel, grey, contains cobbles, non-cohesive, frozen		1.73	3	SC				Nbn	20	37	43			
2									2								
			(SM) gravelly SILTY SAND, coarse to fine gravel, grey, contains cobbles, non-cohesive, frozen		2.33						Nbn						
3						4	SC					34	44	22			
			(SM) gravelly SILTY SAND, coarse to fine sand, coarse to fine gravel, grey, contains cobbles, non-cohesive, frozen		3.75				3								
4																	
5									4								
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		5.23												
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

LOGGED: AS/CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-45

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984812 E: ~544195 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/10/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.																	
		Cont'd from Record of Borehole.																	
6	LF-70 (HQ3) Diamond Drilling	Slightly weathered to fresh, foliated, grey, fine grained, non-porous, weak to medium strong, GREYWACKE or SILSTONE, presence of calcite veining		5.23	4								VN,CU,VR,IN,Ca, 50mm VN,PL,VR,IN,Ca, 50mm FO,PL,VR,SA FO,PL,VR,SA FO,PL,VR,DC,Ca, <1mm FO,PL,VR,SA FO,PL,VR,SA						
7					5								FO,PL,Ro,DC,Si, <1mm FO,-,- FO,-,- FO,-,- FO,-,- FO,-,- FO,PL,Ro,SA FO,PL,Ro,SA FO,-,- FO,-,- FO,-,- FO,-,- FO,-,- FO,-,- VN,CU,VR,IN,Ca, 50mm JN,PL,Ro,DC,Ca, <1mm						
8		End of Drillhole.		7.79									FO,-,- FO,-,- FO,-,- FO,-,- JN,CU,Ro,DC,Ca, <1mm						
9																			
10																			
11																			
12																			
13																			
14																			
15																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/CA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-46

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984749 E: ~544233 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/12/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○)	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface		0.00													
0	LF-70 (HQ3) Diamond Drilling	**(PT)** Silty PEAT, brown, spongy, light weight, fibrous, frozen		0.13	1	SC											
		(ML) SILT, some fine and subangular gravel, grey, frozen		0.46	2	SC											
		(SP/ML) SAND and SILT, trace fine to medium subangular gravel, grey, frozen		0.70													
1		**(PT/GM)** silty PEAT and GRAVEL, brown, spongy, light, fine to coarse subangular gravel		1.03				1		Nbn							
		(SM) gravelly SILTY SAND, coarse to fine and subrounded to subangular gravel, coarse to fine sand, grey, heterogeneous, contains cobbles, frozen			3	SC											
2								2		Nbn							
3																	
4								3		Nbn							
5					4	SC					30	51	19	○			
								4		Nbn							
6								5									
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		6.71													
7																	
8																	
9																	
10																	

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-46

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: C Basin dike
N: ~6984749 E: ~544233 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/12/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
7	LF-70 (HQ3) Diamond Drilling	Slightly weathered, foliated, grey, fine grained, non-porous, medium strong, GREYWACKE or SILTSTONE, presence of calcite veining		**6.71**	5								JN,PL,Ro,IN,Si, >2mm JN,PL,Ro,IN,Si, >2mm						6.71 6.79 7.38 7.65
8													FR,PL,Ro,IN,Si, >2mm						7.80 8.11
					6								FO,PL,Ro,DC,Si, <1mm FO,PL,Ro,DC,Si, 1mm						
9													VN,PL,VR,IN,Ca, 10mm FO,PL,Ro,DC,Si, <1mm JN,CU,VR,DC,Si, <1mm FO,PL,Ro,DC,Si, <1mm FO,PL,Ro,DC,Si FO,PL,Ro,DC,Si, <1mm						9.27 9.45
		End of Drillhole.		9.63															
10																			
11																			
12																			
13																			
14																			
15																			
16																			

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-47

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: Tiriganiaq Pit, Borrow Site
N: ~6988247 E: ~539742 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/6/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface														Casing 1.2 m above ground surface. RST Datalogger 2414
0		**(PT)** PEAT, spongy, black, moist, fibrous, contains rootlets		0.00												1
		(SW/GP) SAND and GRAVEL, coarse to fine sand, coarse to medium and subrounded gravel, brown, moist to wet		0.11				1								2
1																3
		(ML) sandy gravelly SILT, grey, heterogenous, non-cohesive, contains cobbles, moist		1.47				2								4
2																5
		(ML) gravelly sandy SILT, grey, heterogenous, contains cobbles and boulders about 20% by volume, non-cohesive, frozen		2.30												6
3	LF-70 (HQ3) Diamond Drilling				1a 1b	SC		3								
4					2a 2b	SC		4						○		7
5																
6					3a 3b	SC		5		Nbe						
7					4a 4b	SC		6								
8																
9					5a 5b 5c	SC		7						○ ○		8
10					6b	SC		8								
		CONTINUED NEXT PAGE														

SHEAR STRENGTH Cu, kPa: nat V. + Q - ● / rem V. ⊕ U - ○; 20 40 60 80
WATER CONTENT %: Wp ⊢ W ⊣ Wl; 10 20 30 40; field est. - ◎ / lab - ○ / ice est. - ⬠

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-47

SHEET 2 OF 3
DATUM: Ground Surface

LOCATION: Tiriganiaq Pit, Borrow Site
N: ~6988247 E: ~539742 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/6/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa / WATER CONTENT %	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
10	LF-70 (HQ3) Diamond Drilling	**(ML)** gravelly sandy SILT, grey, heterogenous, contains cobbles and boulders about 20% by volume, non-cohesive, frozen *(continued)*			6b 6a	SC SC		8								
11																
12					7	SC		9								
13					8a 8b	SC SC		10		Nbe						
14																
15					9a 9b	SC		11								9
16					10	SC		12								
17					composite 1 to 10	GS GS					23	35	42			
		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		17.30												
18																
19																
20																

SHEAR STRENGTH Cu, kPa: nat V. + Q - ● / rem V. ⊕ U - ○ (20, 40, 60, 80)
WATER CONTENT %: Wp — W — Wl (10, 20, 30, 40); field est. - ◎ / lab - ○ / ice est. - ⬠

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-47

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: Tiriganiaq Pit, Borrow Site
N: ~6988247 E: ~539742 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/6/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
18	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, green to grey, fine grained, non-porous to faintly porous, medium strong, GREYWACKE or SILTSTONE, presence of quartz and calcite veins		17.30	13								FOL,PL,Ro,CC,Ca-Sa, 1 mm FR,UN,Ro,CC,Ca-Si, 1 mm FR,UN,Ro,IN,Sa-Mi, 3 mm FR,IR,Ro,CC,Ca, 1 mm						
19																			
20					14								FOL,PL,Ro,SA FR,CU,Ro,DC,Si, <1 mm FR,PL,Ro,DC,Si, <1 mm FOL,PL,Ro,-						10
21					15								FOL,PL,Ro,DC,Ca, 1 mm FOL,PL,Ro,IN,Ca, 1 mm FR,PL,VR,IN,Si, 1 mm						
22		End of Drillhole.		21.80															
23																			
24																			
25																			
26																			
27																			

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-58

SHEET 1 OF 2
DATUM: Ice Surface

LOCATION: A8 lake, WM-D-02 dike
N: ~6987130 E: ~541161 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 5/6/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	RUN No.	RUN RECOVERY %	ICE DESCRIPTION	GRADATION % GRAVEL	GRADATION % SAND	GRADATION % FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % Wp ⊖ W ⊖ Wl (field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ice Surface															
0	LF-70 (HQ3)	Diamond Drilling	ICE,		0.00				1									
1			COBBLES,		0.75				2									
2			**(GP)** GRAVEL, fines washed away, contains of cobbles		1.24				3									
									4		Nbn							
			(PT) SILTY PEAT, lightweight, black, trace sand, frozen		2.40				5		Nbn	10	68	22				
			(SM) SILTY SAND, some gravel and peat, black, marine odour, forzen Shell fragments at 2.55 m			1	SC											
3			**(GP)** sandy GRAVEL, subrounded, dark grey, fines assumed washed away, contains cobbles, heterogeneous, non-cohesive, frozen		2.85				6		Nbn							
			(GM) SILTY GRAVEL, some sand, coarse to fine and subrounded gravel, grey, non-cohesive, frozen		3.32	2	SC		7		Nbn							
4									8									
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.84													
5																		
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-58

SHEET 2 OF 2
DATUM: Ice Surface

LOCATION: A8 lake, WM-D-02 dike
N: ~6987130 E: ~541161 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 5/6/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE % 80 60 40 20	RECOVERY: RQD % 80 60 40 20	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J_CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
5	LF-70 (HQ3) Diamond Drilling	Fresh, foliated, grey, fine grained, non-porous, very strong, GREYWACKE or SILTSTONE, presence of calcite veining		4.84	8														5.18 5.34 5.34 5.50
6					9														
7					10														
8		End of Drillhole.		8.01															
9																			
10																			
11																			
12																			
13																			
14																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-60

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: Mill Area
N: ~6989572 E: ~540498 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/5/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0			Ground Surface															Casing 0.35 m above ground surface
0			**(PT)** PEAT, spongy, black, fibrous contains rootlets		0.15													RST Datalogger 2413
			COBBLES,															
			(SM) SILTY SAND, coarse to fine, homogenous, grey, wet															1
1									1									2
																		3
2																		4
						1	SS		2			0	84	16				5
3			at 2.81 m becoming black and frozen															6
	LF-70 (HQ3)	Diamond Drilling				2	SC		3			3	80	17				
4																		
									4									
5											Nf							7
6																		
			(GM) sandy GRAVEL, coarse to fine sand, coarse to fine gravel, grey, heterogeneous, non-cohesive, frozen		6.10				5									
						3	SC					39	35	26				
7			**(GW)** GRAVEL, some sand, grey, heterogeneous, contains cobbles, non cohesive, frozen		6.90				6									
					7.10													
			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.															
8																		
9																		
10																		

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-60

SHEET 2 OF 3

LOCATION: Mill Area

DATUM: Ground Surface

N: ~6989572 E: ~540498 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/5/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE		7.10														7.10	
					6													7.70	
8													FOL,PL,Ro,CC,Si, 1 mm						
													FOL,ST,VR,DC,Si, <1mm						
													FOL,PL,Ro,DC,Si, <1mm						
													FOL,PL,Ro,DC,Si, <1mm					8.40	
													FOL,PL,Ro,DC,Si, <1mm					8.50	
9					7								FOL,PL,Ro,SA						
													FOL,PL,Ro,DC,Si, <1mm						
													FOL,PL,Ro,SA						
10																			8
					8														
11													FOL,PL,Ro,SA						
													FOL,PL,Ro,SA						
													FR,PL,Ro,SA						
12													FR,PL,Ro,-						
					9								FR,PL,Ro,-					12.32	
													FR,PL,Ro,-					12.38	
13													FOL,PL,Ro,-						
													FOL,CU,Ro,SA						
													FOL,CU,Ro,SA					13.32	
					10													13.44	
14													FR,PL,Ro,DC,Ca, <1mm						
													FR,PL,Ro,DC,Ca, <1mm						
													FOL,CU,Ro,DC,Sa, <1mm						
													FR,PL,VR,-						
15																			9
					11														
16																		16.65	
					12														
17		*CONTINUED NEXT PAGE*																	

DEPTH SCALE

1 : 50

LOGGED: AS/FA

CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-60

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: Mill Area
N: ~6989572 E: ~540498 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/5/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4	INDICES: ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
18	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE *(continued)* becoming strong			13								30	FOL,PL,Ro,SA						17.15
													30	FOL,PL,Ro,CC,Ca, <1mm						
													30	FOL,PL,Ro,SA						
													30	FOL,PL,Ro,ST						
													30	FOL,PL,Ro,ST						
													30	FOL,PL,Ro,ST						
19													30	FR,PL,Ro,CC,Ca, 1 mm						
					14															19.77
20																				20.10
													30	FOL,PL,Ro,-						10
													30	FOL,PL,Ro,-						
21					15															
		End of Drillhole.		21.50																
22																				
23																				
24																				
25																				
26																				
27																				

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-63

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: Mill area
N: ~6989457 E: ~540416 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/8/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	RUN: RUN No.	RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	SAND	FINES	SHEAR STRENGTH Cu, kPa (nat V. +, rem V. ⊕, Q - ●, U - ○)	WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
0			Ground Surface															
	LF70 (HQ3)	Diamond Drilling	**(SP)** SAND, (assumed)		0.00				1									
1			**(SP)** SAND, some gravel, trace silt, homogeneous, non-cohesive, frozen		1.20	1	SC		2		Nbe	10	85	5				
			ICE + (SM) SILTY SAND, trace gravel, fine to medium sand, grey, homogeneous, non-cohesive, frozen		1.50	2	SC		3		ICE	3	77	20				
2						2a+2b Combined												
									4		Vs							
3						3	SC				Nbe	0	80	20				
			(SP) ORGANIC SAND, grey, lightweight, spongy, frozen			4	SC				Nf	0	76	24				
			(SM) SILTY SAND, fine to medium sand, brown, homogeneous, non-cohesive, frozen		3.45				5									
4			**(SM)** SILTY SAND, some gravel, brown, heterogeneous, presence of cobbles and boulders about 80% by volume, non-cohesive, wet						6									
5			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		5.00													
6																		
7																		
8																		
9																		
10																		

DEPTH SCALE
1 : 50

Golder Associates

LOGGED: FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-63

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: Mill area
N: ~6989457 E: ~540416 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/8/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W1 W2 W3 W4 / ALTERATION 1 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha) 0 30 60 90	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
5		Cont'd from Record of Borehole.																	
5	LF70 (HQ3) Diamond Drilling	Slightly weathered to fresh, thickly foliated, grey, fine grained, non-porous, strong, GREYWACKE or SILTSTONE		5.00	6								FOL,UN,Ro,DC,Si, <1mm					5.00 5.20	
6					7								FOL,PL,Ro,CC,Si, 1mm FOL,PL,Ro,CC,Si, 1mm FOL,UN,Ro,ST,-, 1mm						
7													FOL,UN,Ro,CC,Si/Sa, 2mm						
7		End of Drillhole.		7.00															
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE
1 : 50

LOGGED: FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-64

SHEET 1 OF 3
DATUM: Ground Surface

LOCATION: Mill Area
N: ~6989392 E: ~540402 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/7/2012
DRILLING CONTRACTOR: Boart Longyear

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	DRILLING RIG / DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) / WATER CONTENT % (Wp, W, Wl; field est. - ◎, lab - ○, ice est. - ⬠)	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Ground Surface		0.00												Casing 0.7 m above ground surface
0	LF-70 (HQ3) Diamond Drilling	**(PT)** PEAT, spongy, moist, fibrous, contains rootlets		0.14												RST Datalogger 2416
		(SM) SILTY SAND, grey, contains cobbles, moist, non-cohesive						1								1
1																2
								2								3
																4
2		**ICE + (ML)** sandy SILT, grey, non-cohesive, frozen		2.04	1	SC		3		ICE	0	35	65	○		5
				2.70						Nbe						6
		(SP) SAND, medium to coarse sand, brown, non-cohesive, contains fine and small white crushed shells and cobbles, frozen		3.00						Vs						
3		**(SP/ML)** SAND and SILT, trace gravel, grey, non-cohesive, frozen,		2a+2b Combined	2b	SC		4			1	60	39	○○		
					2a	SC				Nbe						
4		Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.		4.00												
5																
6																
7																
8																
9																
10																

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

Golder Associates

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-64

SHEET 2 OF 3

LOCATION: Mill Area

DATUM: Ground Surface

N: ~6989392 E: ~540402 UTM Zone: 15

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/7/2012

DRILLING CONTRACTOR: Boart Longyear

INCLINATION: -90° AZIMUTH: n/a

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
4		Fresh, thickly foliated, grey, fine grained, non-porous, weak to medium strong, GREYWACKE or SILTSTONE, presence of calcite veins. silt seam about 200 mm thick		4.00	5								FR,UN,Ro,ST FOL,UN,Ro,IN,Si-Ca, <1 mm FOL,PL,Ro,CC,Ca, <1 mm FOL,IR,Ro,IN,Si-Ca, 200 mm FOL,PL,Ro,CC,Ca, <1 mm FOL,IR,Ro,IN,Si-Ca, 20 mm						7
5					6														
		becoming medium strong to strong																5.50	
													FOL,PL,Ro,SA					5.60	
6					7								FOL,PL,Ro,ST FOL,PL,Ro,CC,Ca, 2 mm FOL,PL,Ro,ST					6.45 6.75	
7					8								FOL,PL,Ro,ST FOL,PL,Ro,ST FR,PL,Ro,ST FOL,PL,Ro,ST					7.53 7.98	
8					9								FR,PL,Ro,- FOL,ST,VR,ST FOL,PL,Ro,ST FR,PL,Ro,- FOL,ST,Ro,IN,Si, 5 mm						8
9													FR,PL,SM,- FR,PL,SM,-						
10					10								FR,PL,Ro,DC,Si, <1 mm FR,PL,Ro,ST FR,PL,Ro,DC,Si, <1 mm FOL,ST,Ro,ST FOL,PL,Ro,SA						
11					11								FOL,PL,Ro,DC,Ca-Si, <1 mm FOL,PL,Ro,DC,Ca-Si, 2 mm FOL,PL,Ro,DC,Si, 5 mm FR,PL,Ro,DC,Si, 3 mm						
12					12														
13																			
14		*CONTINUED NEXT PAGE*																	

LF-70 (HQ3)

Diamond Drilling

DEPTH SCALE

1 : 50

LOGGED: AS/FA

CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-64

SHEET 3 OF 3
DATUM: Ground Surface

LOCATION: Mill Area
N: ~6989392 E: ~540402 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/7/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
14		Fresh, thickly foliated, grey, fine grained, non-porous, weak to medium strong, GREYWACKE or SILTSTONE, presence of calcite veins. *(continued)*										30 60 90	FOL,PL,Ro,-						
												30 60 90	FOL,PL,Ro,-						
15					13														9
16					14														
17																			
18	LF-70 (HQ3) Diamond Drilling				15							30 60 90	FOL,PL,Ro,ST						
												30 60 90	FOL,PL,Ro,DC,Ca, <1 mm						
												30 60 90	FOL,PL,Ro,DC,Ca, <1 mm						
												30 60 90	FR,PL,Ro,DC,Sa, <1 mm						
																		18.70	
19																		19.00	
		fault gouge infilled, 35 degrees aparent dip										30 60 90	FLT,PL,VR,IN,Go, 280 mm						
					16							30 60 90	FOL,PL,Ro,DC,Si, <1 mm						
												30 60 90	FOL,PL,Ro,DC,Ca, <1 mm						
												30 60 90	FOL,PL,Ro,DC,Si, <1 mm						10
20												30 60 90	FOL,PL,Ro,DC,Si, <1 mm						
21					17														
												30 60 90	FOL,PL,Ro,-						
												30 60 90	FOL,PL,Ro,-						
												30 60 90	FOL,PL,Ro,-						
22		End of Drillhole.		22.00															
23																			
24																			

DEPTH SCALE
1 : 50

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CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF BOREHOLE: GT12-69

SHEET 1 OF 2
DATUM: Ground Surface

LOCATION: Mill Area
N: ~6989435 E: ~540165 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: 8/4/2012
DRILLING CONTRACTOR: Boart Longyear

DEPTH SCALE METRES	DRILLING RIG	DRILLING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	RUN: RUN No.	RUN: RECOVERY %	ICE DESCRIPTION	GRADATION %: GRAVEL	GRADATION %: SAND	GRADATION %: FINES	SHEAR STRENGTH Cu, kPa (nat V. + Q - ● / rem V. ⊕ U - ○) 20 40 60 80	WATER CONTENT % (Wp — W — Wl; field est. - ◎ / lab - ○ / ice est. - ⬠) 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
			Ground Surface															
0			**(PT)** PEAT, spongy, black, fibrous, contains rootlets and cobbles about 100 mm		0.10				1									
	LF-70 (HQ3)	Diamond Drilling	**(SW/GW)** SAND and GRAVEL, fines washed out, coarse to fine and subangular gravel, brown, contains cobbles about 100 mm, 150 mm, moist to wet															
1									2									
2																		
3									3									
4									4									
			BOULDERS, about 300 mm		4.55													
5			**(SP/GP)** SAND and GRAVEL, medium sand and subangular gravel, grey, heterogeneous, non-cohesive, wet		4.85				5									
			(GP) GRAVEL, some sand, grey, heterogeneous, non cohesive, wet, (fines washed out)		5.25													
6									6									
			(ML) SILT, some sand, gravel and peat, grey, wet, spongy, organic odour		6.80	1	SC		7			6	12	82				
7			Bedrock Encountered. Refer to Record of Drillhole log for continuation of rock description.															
8																		
9																		
10																		

DEPTH SCALE
1 : 50

LOGGED: AS/FA
CHECKED: RFM

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PROJECT No.: 11-1428-0011

RECORD OF DRILLHOLE: GT12-69

SHEET 2 OF 2
DATUM: Ground Surface

LOCATION: Mill Area
N: ~6989435 E: ~540165 UTM Zone: 15
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.
INCLINATION: -90° AZIMUTH: n/a

DRILLING DATE: 8/4/2012
DRILLING CONTRACTOR: Boart Longyear

Refer to "Lithological and Geotechnical Soil and Rock Description Terminology" for accompanying legend and notes.

DEPTH SCALE METRES	DRILLING RECORD	DESCRIPTION	SYMBOLIC LOG	ELEV. / DEPTH (m)	RUN No.	INDICES: ROCK STRENGTH R5 R4 R3 R2 R1	INDICES: WEATHERING W2 W3 W4 / ALTERATION 2 3 4	RECOVERY: TOTAL CORE %	RECOVERY: RQD %	FRACTURE INDEX PER RUN	Jn	DISCONTINUITY DATA: DIP w.r.t. CORE AXIS (alpha)	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	J CON	Jr	Ja	Fault/Breccia/Gouge	Lost Core / Broken Core	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		Cont'd from Record of Borehole.																	
7	LF-70 (HQ3) Diamond Drilling	Fresh, thickly foliated, grey, fine grained, non-porous, medium to strong, GREYWACKE or SILTSTONE, presence of calcite veins ~3mm		6.80	7								FOL,IR,Ro,CC,Ca-Si, <1mm						6.80 7.00
8													FOL,PL,Ro,DC,Si, <1mm FOL,UN,Ro,CC,Si, <1mm						
9					8								FOL,PL,Ro,CC,Si, <1mm						9.21 9.34
10					9								FOL,IR,Ro,CC,Si, <1mm FOL,UN,Ro,-,-, <1mm FOL,UN,Ro,CC,Ca, 1mm FOL,UN,Ro,-,-, <1mm FOL,UN,Ro,IN,Si, 50 mm FOL,PL,Ro,CC,Ca-Si, <1mm FOL,UN,Ro,ST,-, <1mm FOL,UN,Ro,CC,Si, <1mm FOL,IR,Ro,DC,Si, <1mm FOL,PL,Ro,CC,Ca-Si, <1mm FOL,UN,Ro,CC,Ca-Si, <1mm						
11		End of Drillhole.		10.85															
12																			
13																			
14																			
15																			
16																			

DEPTH SCALE
1 : 50

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LOGGED: AS/FA
CHECKED: RFM

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APPENDIX B

Results of Laboratory Testing of Soil Samples

Natural moisture contents are not representative for the following samples:

- GT12-2A (samples 1b and 3b),
- GT12-13 (samples 1b, 2b, and 3b),
- GT12-19 (samples 1b, 2b, 5b), and
- GT12-29 (samples 1, 2b, and 3b).

See item 3.4 of the report for details.

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WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: Agnico-Eagle Mines Ltd.
Lab Schedule No.: 143

Project: 2012 Drilling Program

Location: Meliadine Gold Project

Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT12-02A	**1**	1.78	2.03	**127.3**
GT12-02A	**1B**	1.78	2.03	**62.7**
GT12-02A	**2**	2.03	2.33	**13.0**
GT12-02A	**3**	3.40	3.53	**23.9**
GT12-02A	**3B**	3.40	3.53	**15.6**
GT12-02A	**4**	3.78	3.88	**6.9**
GT12-03	**1**	3.10	3.35	**6.8**
GT12-03B	**1**	1.60	1.90	**34.0**
GT12-03B	**2**	1.90	1.95	**11.0**
GT12-03B	**3**	2.10	2.25	**11.0**
GT12-03B	**4**	2.25	2.45	**15.1**
GT12-03B	**5**	2.55	2.65	**19.9**
GT12-03B	**6**	3.70	3.85	**8.8**
GT12-04	**2**	3.15	3.50	**5.1**
GT12-04	**4**	5.00	5.40	**13.1**
GT12-04	**5**	5.80	6.40	**13.1**
GT12-04	**7**	8.00	8.50	**27.4**
GT12-05	**1**	2.35	2.65	**5.6**
GT12-05	**4**	5.90	6.50	**12.7**
GT12-05	**6**	9.92	10.25	**31.8**
GT12-05	**10**	15.50	15.97	**15.4**
GT12-06	**1**	1.20	1.60	**7.3**
GT12-06	**2**	2.90	3.50	**11.0**
GT12-06	**4**	7.90	8.50	**10.3**
GT12-06	**6**	11.91	12.33	**4.9**
GT12-07	**1**	1.05	1.40	**12.1**
GT12-07	**3**	3.50	4.01	**15.1**
GT12-07	**7**	8.30	8.60	**7.3**
GT12-07	**8**	10.50	10.90	**6.8**
GT12-07	**10**	13.38	13.86	**17.2**
GT12-08	**2**	2.59	3.00	**5.5**
GT12-08	**6**	10.70	10.88	**8.6**
GT12-08	**7**	12.30	12.78	**8.8**
GT12-09	**1**	0.75	1.31	**17.2**

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WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: Agnico-Eagle Mines Ltd.
Lab Schedule No.: 143

Project: 2012 Drilling Program

Location: Meliadine Gold Project

Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT12-09	**4**	7.00	7.50	**29.4**
GT12-09	**7**	10.65	11.20	**7.0**
GT12-09	**8**	13.93	14.37	**7.8**
GT12-10	**2**	0.99	1.67	**9.1**
GT12-10	**5**	3.34	4.00	**6.2**
GT12-10	**8**	5.80	6.65	**7.4**
GT12-10	**11**	9.00	11.50	**7.6**
GT12-11	**2**	0.78	1.32	**6.0**
GT12-11	**4**	2.14	2.54	**8.7**
GT12-11	**6**	4.10	4.40	**6.2**
GT12-11	**8**	5.25	6.30	**5.5**
GT12-12	**1**	0.61	0.91	**6.1**
GT12-12	**3**	4.15	4.25	**15.9**
GT12-13	**1**	1.10	1.25	**26.1**
GT12-13	**1B**	1.10	1.25	**23.7**
GT12-13	**2**	1.55	1.70	**28.2**
GT12-13	**2B**	1.55	1.70	**25.5**
GT12-13	**3**	1.75	1.83	**36.4**
GT12-13	**3B**	1.75	1.83	**18.9**
GT12-13	**4**	2.73	2.93	**27.4**
GT12-13	**5**	3.55	3.70	**15.9**
GT12-13	**6**	4.05	4.15	**11.5**
GT12-14	**1**	1.90	2.50	**6.0**
GT12-14	**2**	3.30	4.00	**5.4**
GT12-14	**3**	4.70	5.40	**5.1**
GT12-15	**1**	0.49	1.67	**13.8**
GT12-15	**2**	1.67	2.12	**5.4**
GT12-15	**3**	3.30	3.50	**19.3**
GT12-15	**4**	4.80	5.12	**8.6**
GT12-15	**5**	8.15	8.50	**7.5**
GT12-15	**6**	11.20	11.30	**7.6**
GT12-16	**1**	1.65	1.87	**9.0**
GT12-16	**2**	4.50	5.00	**7.8**
GT12-16	**3**	7.50	8.00	**5.9**

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WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: Agnico-Eagle Mines Ltd.
Lab Schedule No.: 143

Project: 2012 Drilling Program

Location: Meliadine Gold Project

Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT12-16	**4**	10.10	10.30	**7.2**
GT12-17	**1**	0.05	0.30	**13.5**
GT12-17	**2**	0.30	0.60	**10.0**
GT12-17	**3**	2.47	2.93	**26.0**
GT12-17	**4**	3.35	3.65	**9.7**
GT12-17	**5**	7.50	8.00	**8.1**
GT12-18	**1**	1.35	1.50	**10.5**
GT12-18	**2**	2.00	2.50	**6.2**
GT12-18	**3**	2.50	4.00	**6.4**
GT12-18	**4**	6.70	7.00	**7.9**
GT12-19	**1**	1.30	1.65	**17.4**
GT12-19	**1B**	1.30	1.65	**15.2**
GT12-19	**2**	1.65	1.98	**14.7**
GT12-19	**2B**	1.65	1.98	**12.1**
GT12-19	**3**	1.98	2.53	**45.3**
GT12-19	**3B**	1.98	2.53	**12.5**
GT12-19	**4**	2.53	2.71	**26.7**
GT12-19	**5**	2.71	3.05	**26.4**
GT12-19	**5B**	2.71	3.05	**16.2**
GT12-20	**1**	6.60	6.90	**10.3**
GT12-21	**1**	4.50	5.00	**6.7**
GT12-21	**2**	5.65	5.95	**7.9**
GT12-22	**1**	1.26	1.42	**2.5**
GT12-22	**2**	1.83	2.05	**5.7**
GT12-24	**2**	2.50	3.00	**7.3**
GT12-24	**4**	4.90	5.40	**8.8**
GT12-24	**5**	5.90	6.50	**8.1**
GT12-24	**7**	8.50	8.90	**11.4**
GT12-25	**1**	0.00	2.80	**6.1**
GT12-25	**2**	2.80	3.75	**7.1**
GT12-25	**3**	3.75	4.30	**6.4**
GT12-25	**4**	4.30	4.75	**6.9**
GT12-26	**1**	6.20	6.50	**9.5**
GT12-27	**1**	2.34	2.56	**8.5**

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WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: Agnico-Eagle Mines Ltd.
Lab Schedule No.: 143

Project: 2012 Drilling Program

Location: Meliadine Gold Project

Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT12-27	**2**	2.56	2.85	**21.8**
GT12-28	**3**	2.80	3.15	**11.2**
GT12-29	**1**	1.47	1.50	**10.3**
GT12-29	**2**	1.50	1.97	**13.0**
GT12-29	**2B**	1.50	1.97	**11.9**
GT12-29	**3**	2.25	2.44	**16.0**
GT12-29	**3B**	2.25	2.44	**9.5**
GT12-30	**1**	0.60	1.30	**6.7**
GT12-31	**1**	1.20	1.40	**14.2**
GT12-31	**2**	1.50	1.80	**14.2**
GT12-31	**3**	2.40	2.70	**10.6**
GT12-32	**1**	1.07	1.37	**25.1**
GT12-32	**2**	1.37	1.67	**20.2**
GT12-32	**2A**	1.37	1.67	**18.1**
GT12-32	**3**	1.67	1.97	**21.2**
GT12-35	**1**	0.25	0.45	**12.5**
GT12-35	**2**	0.70	0.94	**12.6**
GT12-35	**3**	2.40	2.53	**6.1**
GT12-36	**1**	0.50	0.70	**9.9**
GT12-36	**2**	2.53	2.76	**8.0**
GT12-36	**3**	3.69	3.89	**6.9**
GT12-37	**2**	0.49	1.30	**9.2**
GT12-37	**4**	1.50	2.03	**10.0**
GT12-37	**6**	3.60	4.02	**16.6**
GT12-37	**8**	5.23	5.46	**17.4**
GT12-38	**2**	1.10	1.53	**16.2**
GT12-38	**3**	1.53	1.84	**32.7**
GT12-38	**5**	2.05	3.55	**6.4**
GT12-39	**2**	1.60	2.35	**19.5**
GT12-39	**4**	3.00	3.40	**19.9**
GT12-39	**5**	3.40	3.85	**18.6**
GT12-39	**6**	3.85	5.05	**5.8**
GT12-40	**1**	3.00	3.45	**5.7**
GT12-40	**2**	4.00	4.20	**5.6**

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WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: Agnico-Eagle Mines Ltd.
Lab Schedule No.: 143

Project: 2012 Drilling Program

Location: Meliadine Gold Project

Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT12-41	**2**	0.47	0.68	**8.8**
GT12-41	**4**	1.10	1.42	**11.8**
GT12-41	**5**	2.69	3.55	**7.8**
GT12-42	**2A**	2.52	2.92	**5.3**
GT12-42	**3**	3.55	3.81	**4.2**
GT12-42	**4B**	4.46	4.81	**20.0**
GT12-42	**5**	5.22	5.36	**6.0**
GT12-42	**6A**	6.87	7.27	**7.9**
GT12-43	**1**	0.10	0.52	**13.3**
GT12-43	**2**	0.75	1.50	**7.5**
GT12-43	**3**	3.80	5.30	**4.5**
GT12-44	**1**	0.30	1.25	**6.9**
GT12-44	**2**	1.25	1.35	**23.6**
GT12-45	**2**	1.24	1.73	**56.9**
GT12-45	**3**	1.73	2.03	**11.9**
GT12-45	**4**	2.85	3.10	**7.7**
GT12-46	**2**	0.46	0.70	**21.1**
GT12-46	**4**	5.50	5.81	**7.1**
GT12-47	**2a**	3.80	5.30	**5.2**
GT12-47	**5a**	8.30	9.80	**0.9**
GT12-47	**5b**	8.30	9.80	**8.0**
GT12-47	**5c**	8.30	9.80	**0.5**
GT12-47	**6b**	9.80	11.30	**4.3**
GT12-47	**6a**	9.80	11.30	**2.5**
GT12-47	**7**	11.30	12.80	**8.9**
GT12-47	**9a**	14.30	15.80	**6.3**
GT12-47	**10**	15.80	16.60	**4.7**
GT12-58	**1**	2.45	2.85	**20.2**
GT12-60	**1**	2.35	2.88	**20.8**
GT12-60	**2**	2.90	3.90	**22.2**
GT12-60	**3**	6.65	6.80	**7.9**
GT12-63	**1**	1.30	1.50	**35.4**
GT12-63	**2a**	1.50	2.70	**23.9**
GT12-63	**2b**	1.50	2.70	**27.2**

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WATER CONTENT DETERMINATION

Reference(s)
ASTM D 4959

Client: Agnico-Eagle Mines Ltd.
Lab Schedule No.: 143

Project: 2012 Drilling Program

Location: Meliadine Gold Project

Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300

Sample Location	Sample No.	Sample Interval		Water Content (%)
		Depth (m)	Bottom (m)	
GT12-63	**3**	2.80	3.20	**24.9**
GT12-63	**4**	3.35	3.45	**24.8**
GT12-64	**1**	2.04	2.50	**43.6**
GT12-64	**2b**	3.00	3.75	**24.3**
GT12-64	**2a**	3.00	3.75	**22.0**
GT12-69	**1**	6.75	6.80	**20.4**

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Laboratory Approximation of Ice Content within Thawed Soil Specimens

Non-Standard Test

Project #:	11-1428-0011/3200
Short Title:	2012 Drilling Program
Client	Agnico Eagle Mines Ltd.
Location	Meliadine Gold Project
Lab ID	158

Borehole	GT12-03B	GT12-05	GT12-05	GT12-06	GT12-06	GT12-07
Sample Number	2	1	6	1	6	1
Depth (m)	1.90-1.95	2.35-2.65	9.92-10.25	1.20-1.60	11.91-12.33	1.05-1.40
Mass of Decant (g)	3.2	112.9	21.3	66.9	46.4	45.4
Excess Water (Ice)%	**2.7%**	**17.5%**	**1.7%**	**5.8%**	**2.0%**	**3.6%**

Borehole	GT12-07	GT12-07	GT12-07	GT12-08	GT12-09	GT12-11
Sample Number	3	7	8	2	1	2
Depth (m)	3.50-4.01	8.30-8.60	10.50-10.90	2.59-3.00	0.75-1.31	0.78-1.32
Mass of Decant (g)	96.6	57.9	1.8	0.9	23.5	20.2
Excess Water (Ice)%	**5.1%**	**3.78%**	**0.08%**	**0.1%**	**0.8%**	**0.9%**

Borehole	GT12-11	GT12-15	GT12-18	GT12-21	GT12-22	GT12-22
Sample Number	4	3	1	2	1	2
Depth (m)	2.14-2.54	3.3-3.5	1.35-1.5	5.65-5.95	1.26-1.42	1.83-2.05
Mass of Decant (g)	9.2	16.9	100.6	40.4	94.8	14.4
Excess Water (Ice)%	**1.0%**	**2.8%**	**10.4%**	**4.4%**	**26.2%**	**1.8%**

Borehole	GT12-28	GT12-30	GT12-35	GT12-36	GT12-36	GT12-36
Sample Number	3	1	2	1	2	3
Depth (m)	2.80-3.15	0.60-1.30	0.70-0.94	0.50-0.70	2.53-2.76	3.69-3.89
Mass of Decant (g)	75.8	32.9	240.6	97.1	0.0	0.0
Excess Water (Ice)%	**10.1%**	**2.6%**	**0.5**	**30.3%**	**9.0%**	**16.4%**

Borehole	GT12-37	GT12-37	GT12-37	GT12-41	GT12-42	GT12-47
Sample Number	2	6	8	4	6A	2a
Depth (m)	0.49-1.30	3.60-4.02	5.23-5.46	1.10-1.42	6.87-7.27	3.80-5.30
Mass of Decant (g)	66.1	255.6	47.5	31.2	20.7	0.0
Excess Water (Ice)%	**8.0%**	**13.8%**	**4.6%**	**6.0%**	**1.0%**	**8.0%**

BM/EB	September 4, 2012	LP	September 12, 2012
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

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Laboratory Approximation of Ice Content within Thawed Soil Specimens

Non-Standard Test

Project #:	11-1428-0011/3200
Short Title:	2012 Drilling Program
Client	Agnico Eagle Mines Ltd.
Location	Meliadine Gold Project
Lab ID	158

Borehole	GT12-47	GT12-47	GT12-47	GT12-60	GT12-60	GT12-60
Sample Number	5a	7	9a	1	2	3
Depth (m)	8.30-9.80	11.30-12.80	14.30-15.80	2.35-2.88	2.90-3.90	6.65-6.80
Mass of Decant (g)	0.0	2.5	33.4	45.1	25.0	7.3
Excess Water (Ice)%	**4.0%**	**9.8%**	**8.0%**	**31.0%**	**32.0%**	**9.6%**

Borehole	GT12-63	GT12-63	GT12-63	GT12-64	GT12-64	GT12-64
Sample Number	2a	2b	3	2a	2b	1
Depth (m)	1.50-2.70	1.50-2.70	2.80-3.20	3.00-3.75	3.00-3.75	2.04-2.50
Mass of Decant (g)	46.3	459.2	115.7	55.0	141.0	311.4
Excess Water (Ice)%	**5.6%**	**51.4%**	**13.5%**	**4.8%**	**8.3%**	**101.7%**

Borehole						
Sample Number						
Depth (m)						
Mass of Decant (g)						
Excess Water (Ice)%						

Borehole						
Sample Number						
Depth (m)						
Mass of Decant (g)						
Excess Water (Ice)%						

Borehole						
Sample Number						
Depth (m)						
Mass of Decant (g)						
Excess Water (Ice)%						

BM/EB	September 4, 2012	LP	September 12, 2012
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project:	2012 Drilling Program	**Sample No.: 4**
Location:	Meliadine Gold Project	**Depth Interval (m):** 5.00 to 5.40
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Classification and Definition: CL-ML - Inorganic clays of low to medium plasticity --- Inorganic silts and very fine sands, clayey silts with slight plasticity.

Other Remarks: **N/A**

Test Method: A-Multi Point | **Preparation Method: Moist**

SUMMARY	
Percent Passing #40 Sieve (%)	**67**
Liquid Limit	**18**
Plastic Limit	**14**
Plasticity Index	**4**
Natural Water Content (%)	**13.1**
Liquidity Index	**-0.2**

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

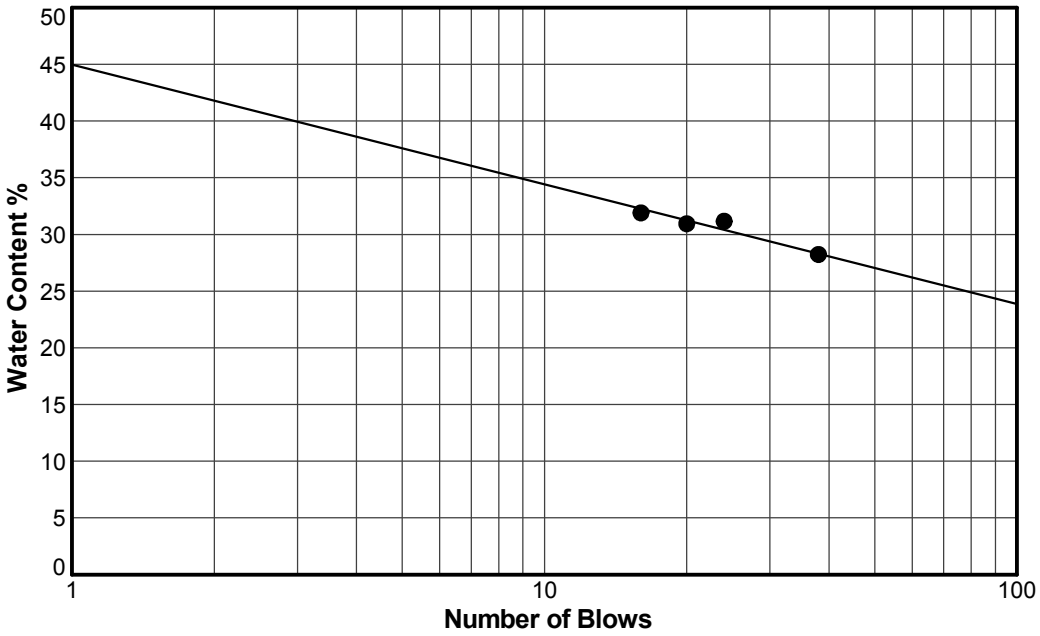
Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project:	2012 Drilling Program	**Sample No.: 7**
Location:	Meliadine Gold Project	**Depth Interval (m):** 8.00 to 8.50
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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: Moist**

SUMMARY	
Percent Passing #40 Sieve (%)	**78**
Liquid Limit	**30**
Plastic Limit	**17**
Plasticity Index	**13**
Natural Water Content (%)	**27.4**
Liquidity Index	**0.8**



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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-07**
Project:	2012 Drilling Program	**Sample No.: 10**
Location:	Meliadine Gold Project	**Depth Interval (m):** 13.38 to 13.86
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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: Moist**

SUMMARY	
Percent Passing #40 Sieve (%)	**92**
Liquid Limit	**13**
Plastic Limit	**12**
Plasticity Index	**1**
Natural Water Content (%)	**17.2**
Liquidity Index	**5.2**

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

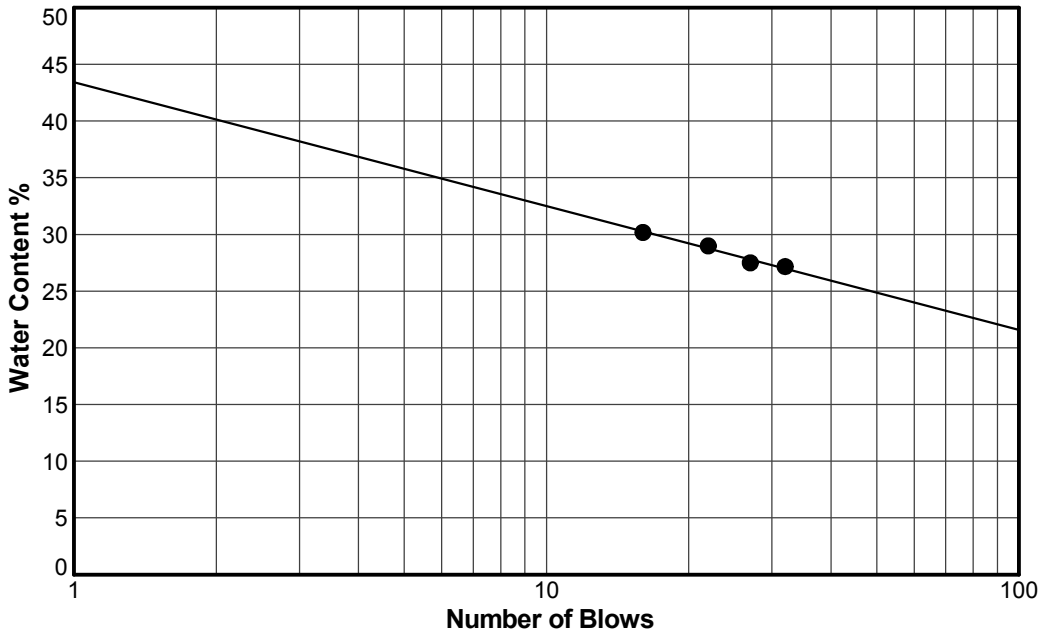
Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project:	2012 Drilling Program	**Sample No.: 1**
Location:	Meliadine Gold Project	**Depth Interval (m):** 0.75 to 1.31
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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: Moist**

SUMMARY	
Percent Passing #40 Sieve (%)	**90**
Liquid Limit	**28**
Plastic Limit	**16**
Plasticity Index	**12**
Natural Water Content (%)	**17.2**
Liquidity Index	**0.1**



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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

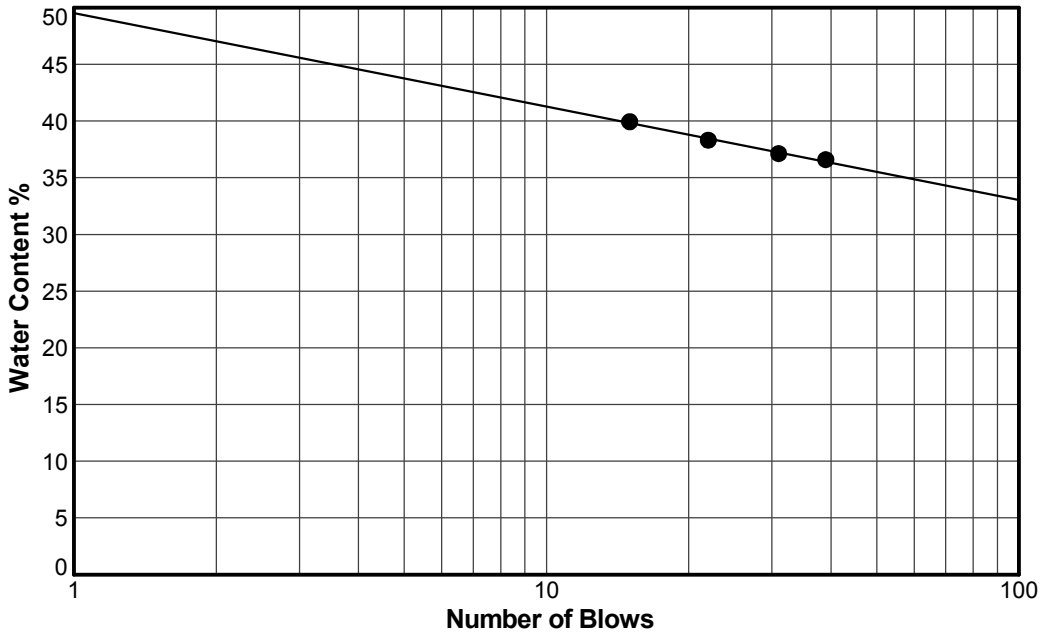
Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project:	2012 Drilling Program	**Sample No.: 4**
Location:	Meliadine Gold Project	**Depth Interval (m):** 7.00 to 7.50
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Classification and Definition: CI

Other Remarks: **N/A**

Test Method: A-Multi Point | **Preparation Method: Moist**

SUMMARY	
Percent Passing #40 Sieve (%)	**79**
Liquid Limit	**38**
Plastic Limit	**19**
Plasticity Index	**19**
Natural Water Content (%)	**29.4**
Liquidity Index	**0.5**



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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

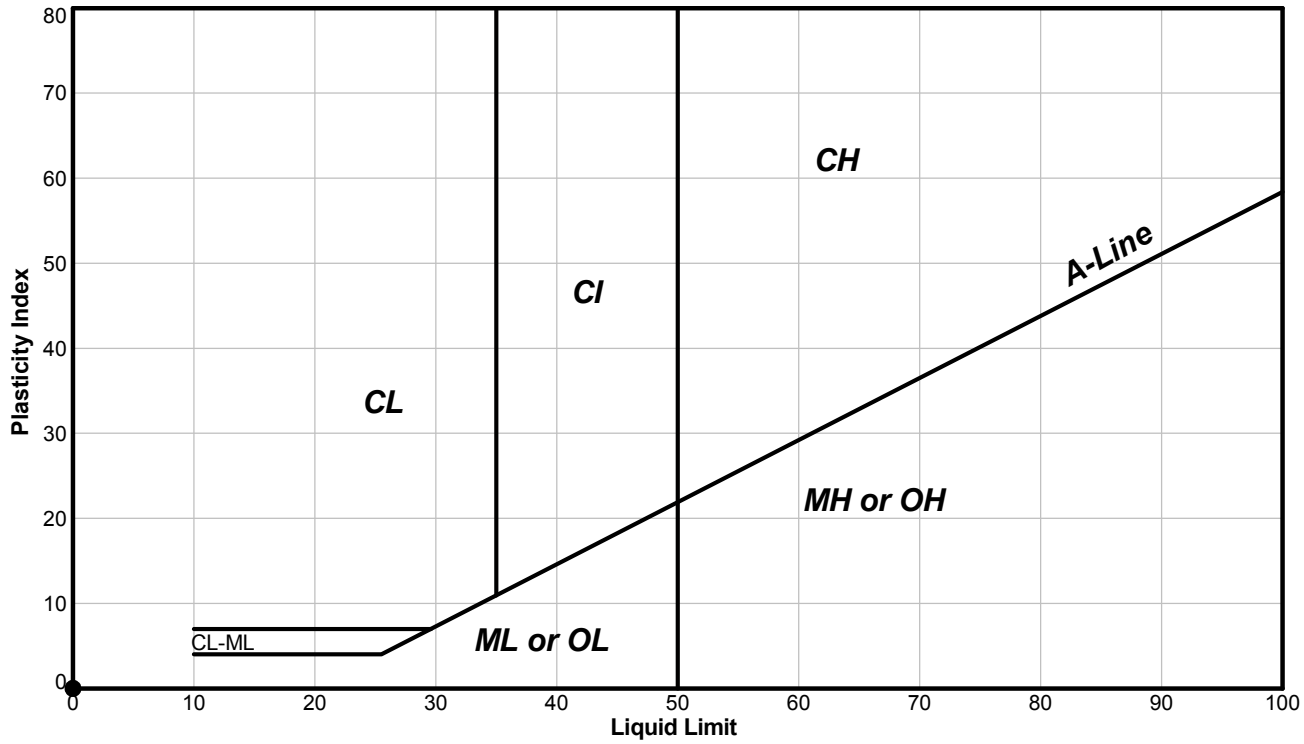
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.40 to 3.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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

Other Remarks: **Sample air-dried before preparation.**

Test Method: A-Multi Point | **Preparation Method: Nonplastic Soil (NP)**

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
●	GT12-02A	3	3.40	3.53	85	NP	NP	NP	23.9	NP

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

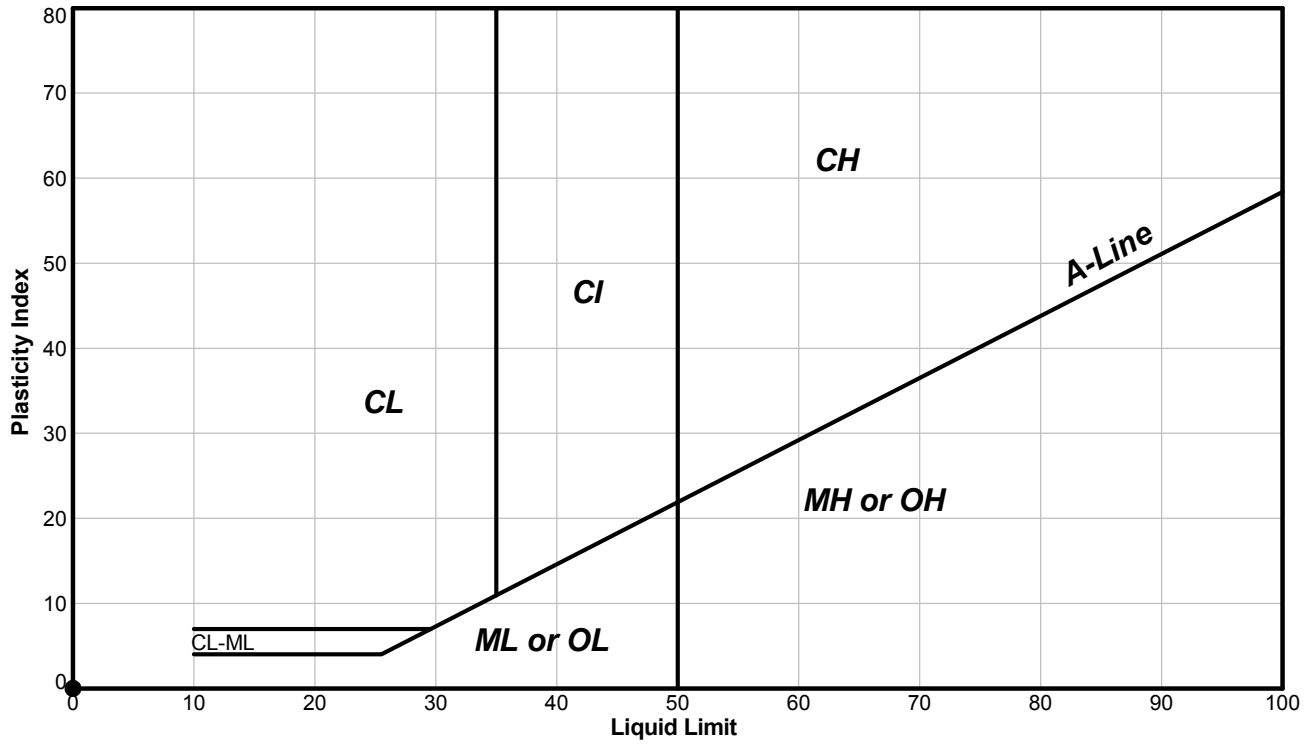
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 3B**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.40 to 3.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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

Other Remarks: **Removal of sand lenses.**

Test Method: A-Multi Point | **Preparation Method: Nonplastic Soil (NP)**

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
●	GT12-02A	3B	3.40	3.53	66	NP	NP	NP	15.6	NP

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

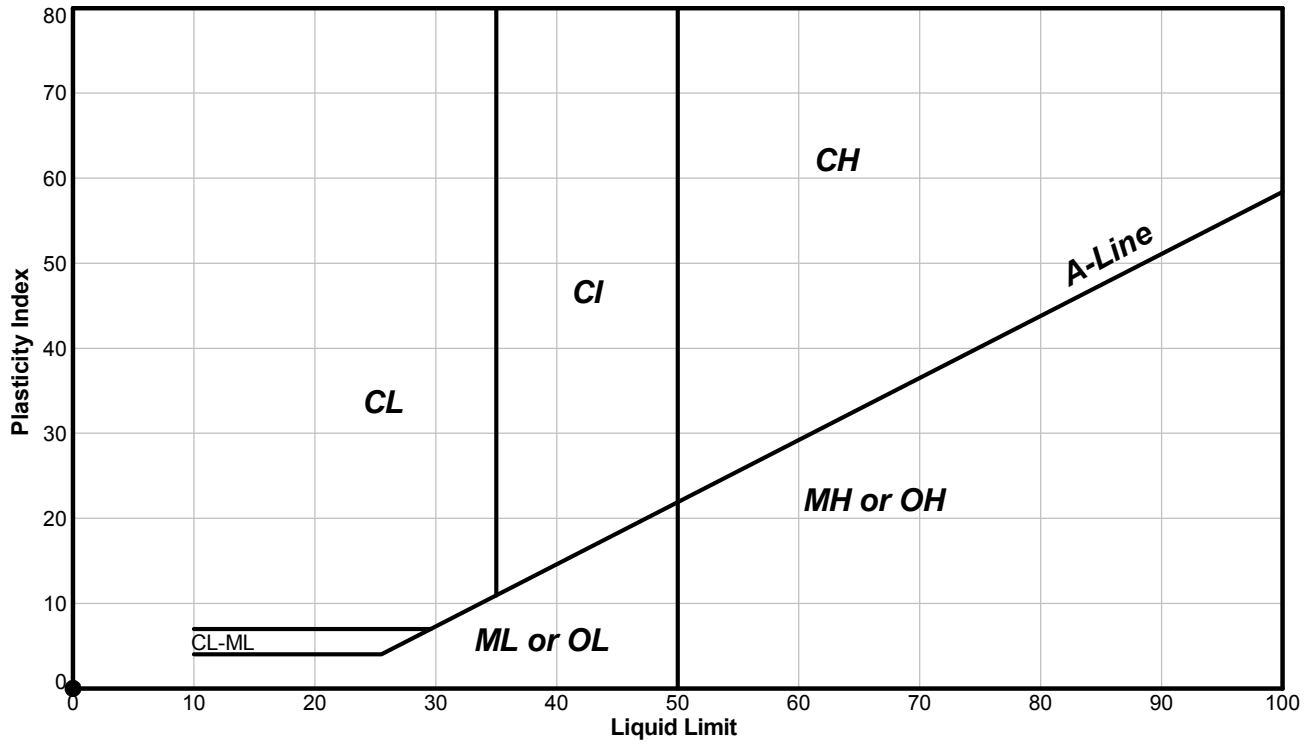
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.55 to 2.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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

Other Remarks: **Removal of sand lenses.**

Test Method: A-Multi Point | **Preparation Method: Nonplastic Soil (NP)**

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
●	GT12-03B	5	2.55	2.65	87	NP	NP	NP	19.9	NP

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

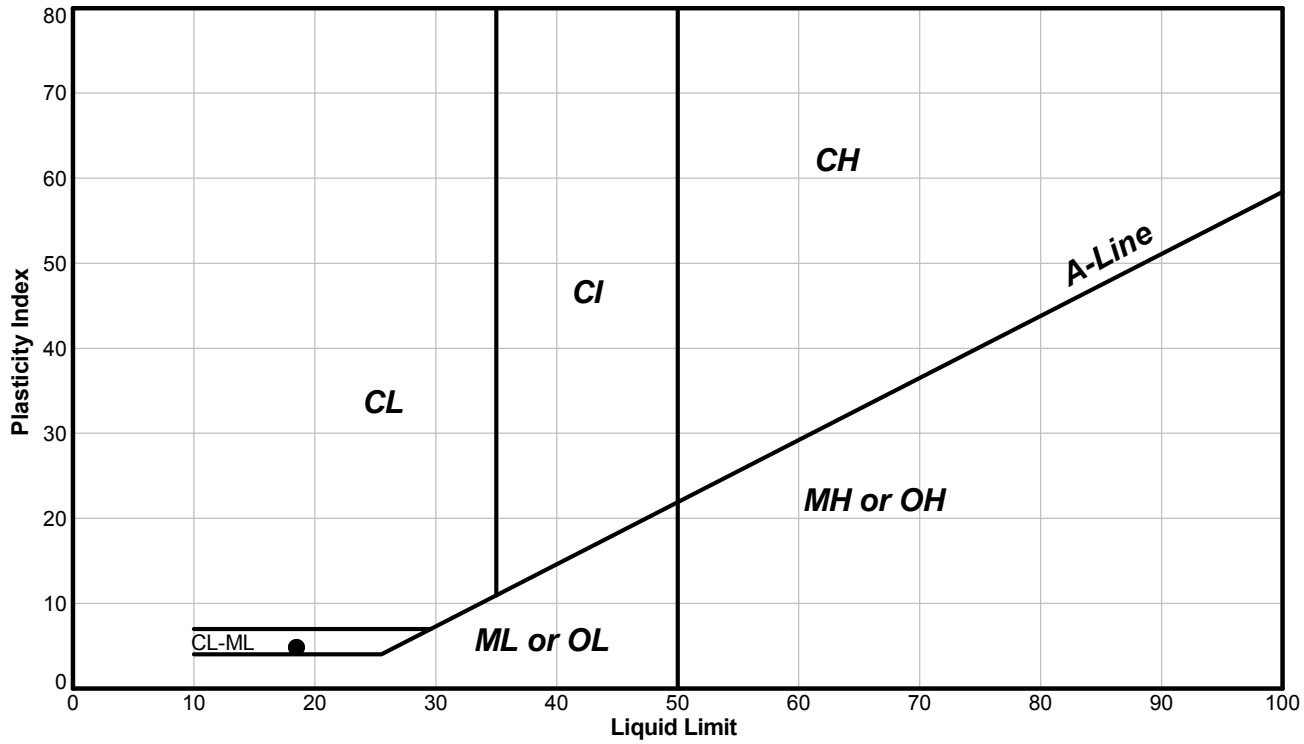
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.00 to 5.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Classification and Definition: CL-ML - Inorganic clays of low to medium plasticity --- Inorganic silts and very fine sands, clayey silts with slight plasticity.

Other Remarks: **N/A**

Test Method: A-Multi Point | **Preparation Method: Moist**

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
●	GT12-04	4	5.00	5.40	67	18	14	4	13.1	-0.2

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

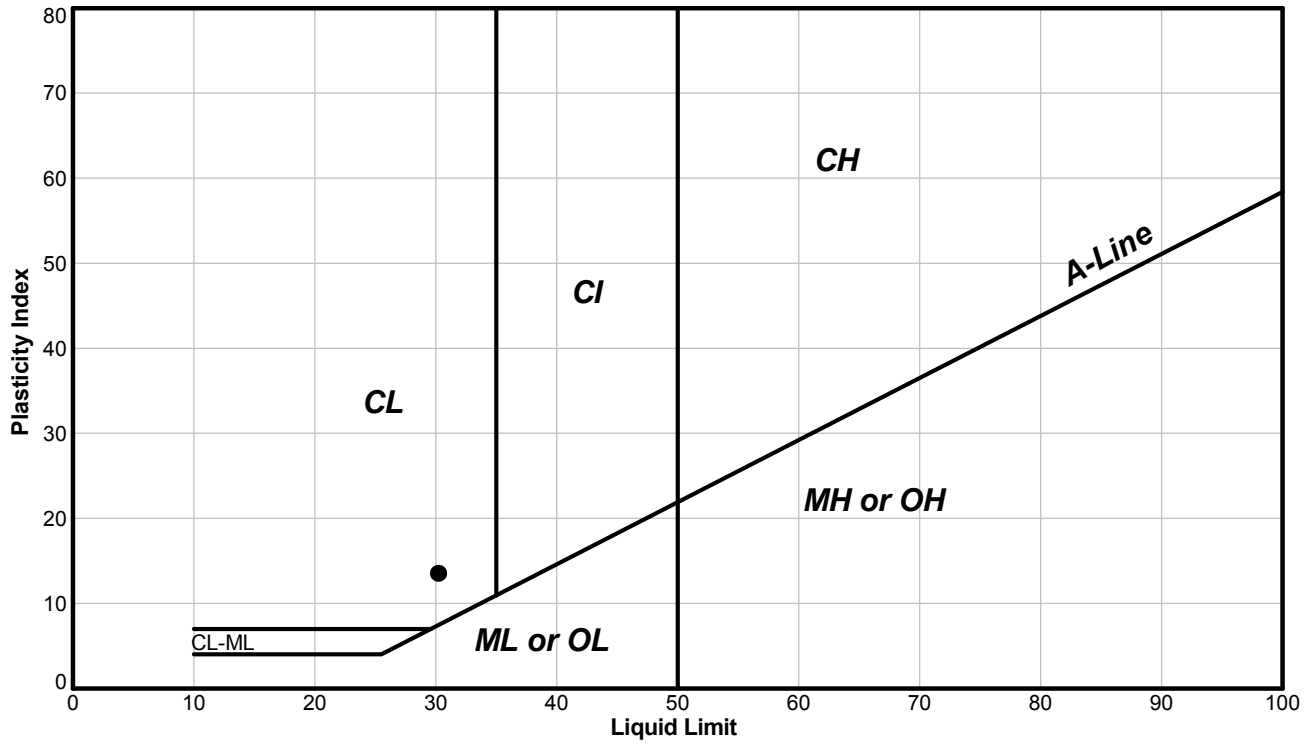
Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**	
Project:	2012 Drilling Program	**Sample No.: 7**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 8.00 to 8.50	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

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: Moist**

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
●	GT12-04	7	8.00	8.50	78	30	17	13	27.4	0.8

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

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File:O:\ACTIVE_2011\1428\11-1428-0011_AEMMELIADINETAILINGS\3200_2012 DRILLING PROGRAM\GINT\MASTERFILE 14AUG2012\MASTER_FILE_22AUGUST2012.GPJ Output Form:_LAB_ATTERBERG CASAGRANDE (SINGLE) Template:BC REGION TEMPLATE BETA 2.GDT Library:BC REGION LIBRARY.GLB ebarnes 10/03/12

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

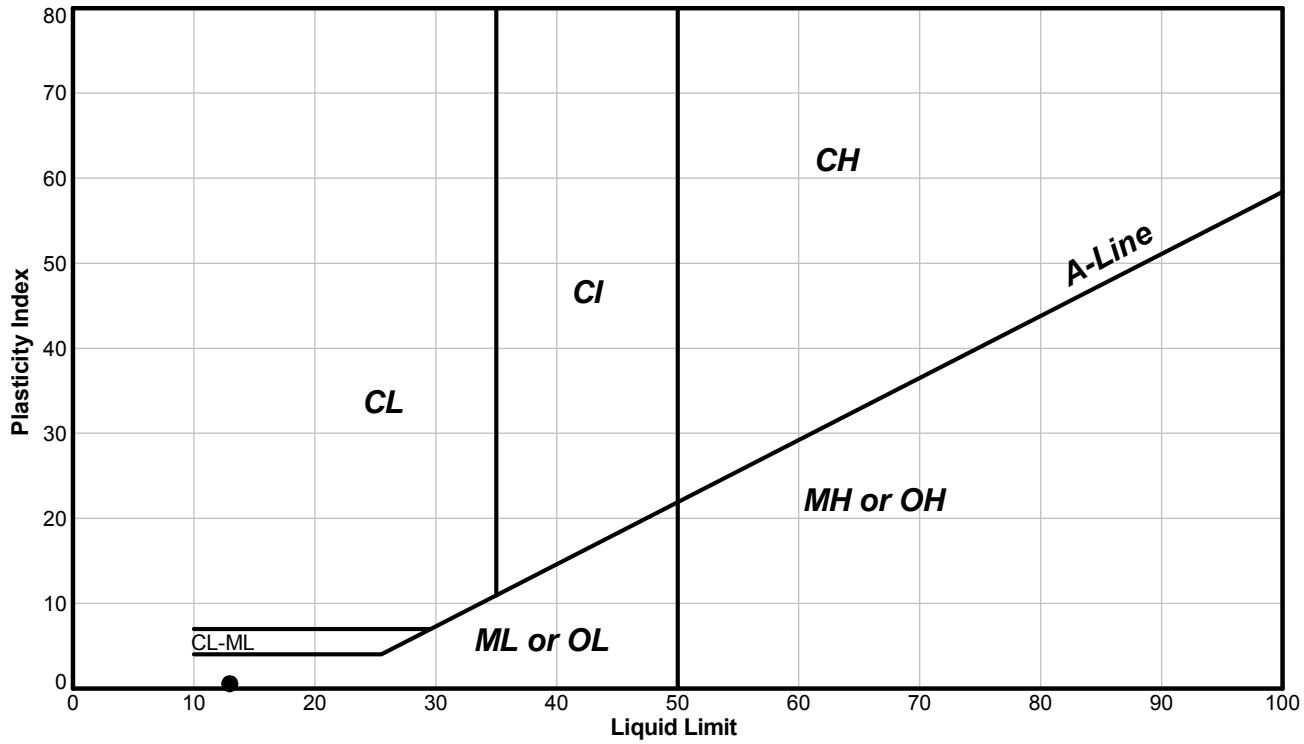
Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-07**	
Project:	2012 Drilling Program	**Sample No.: 10**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 13.38 to 13.86	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

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: Moist**

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
●	GT12-07	10	13.38	13.86	92	13	12	1	17.2	5.2

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

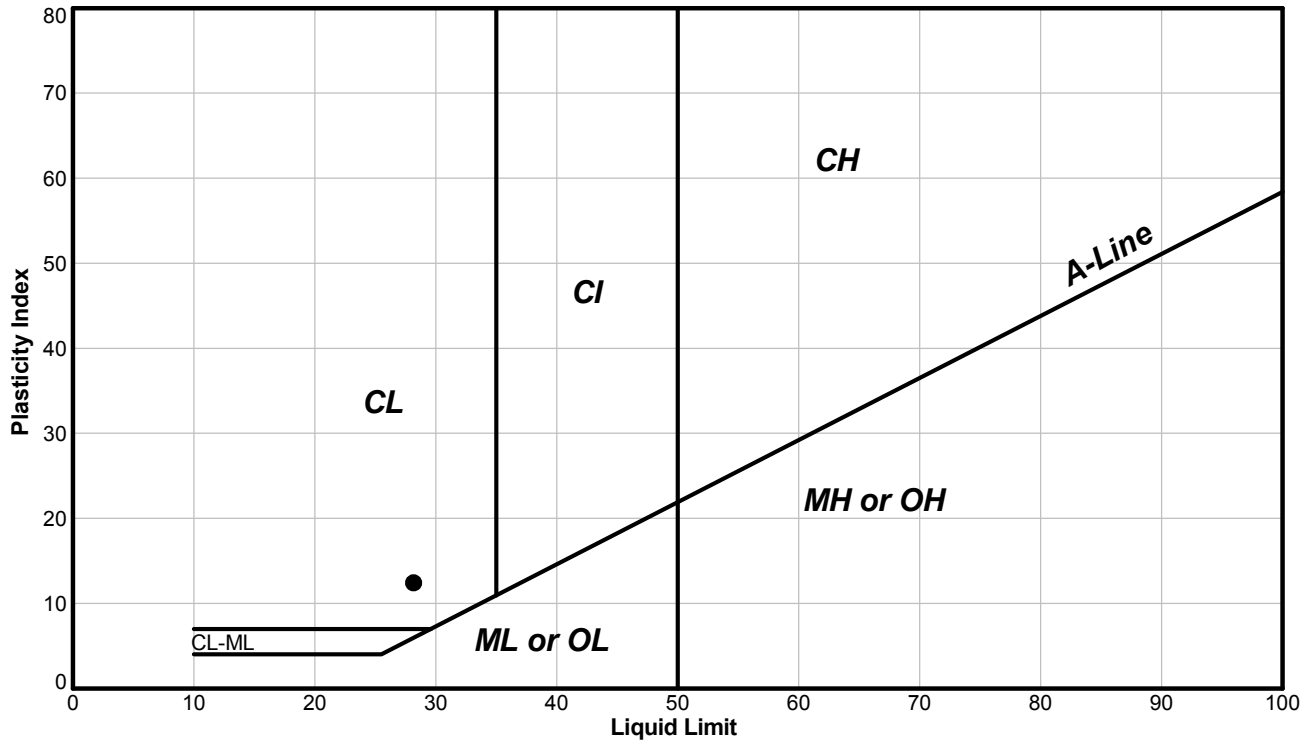
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.75 to 1.31
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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: Moist**

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
●	GT12-09	1	0.75	1.31	90	28	16	12	17.2	0.1

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

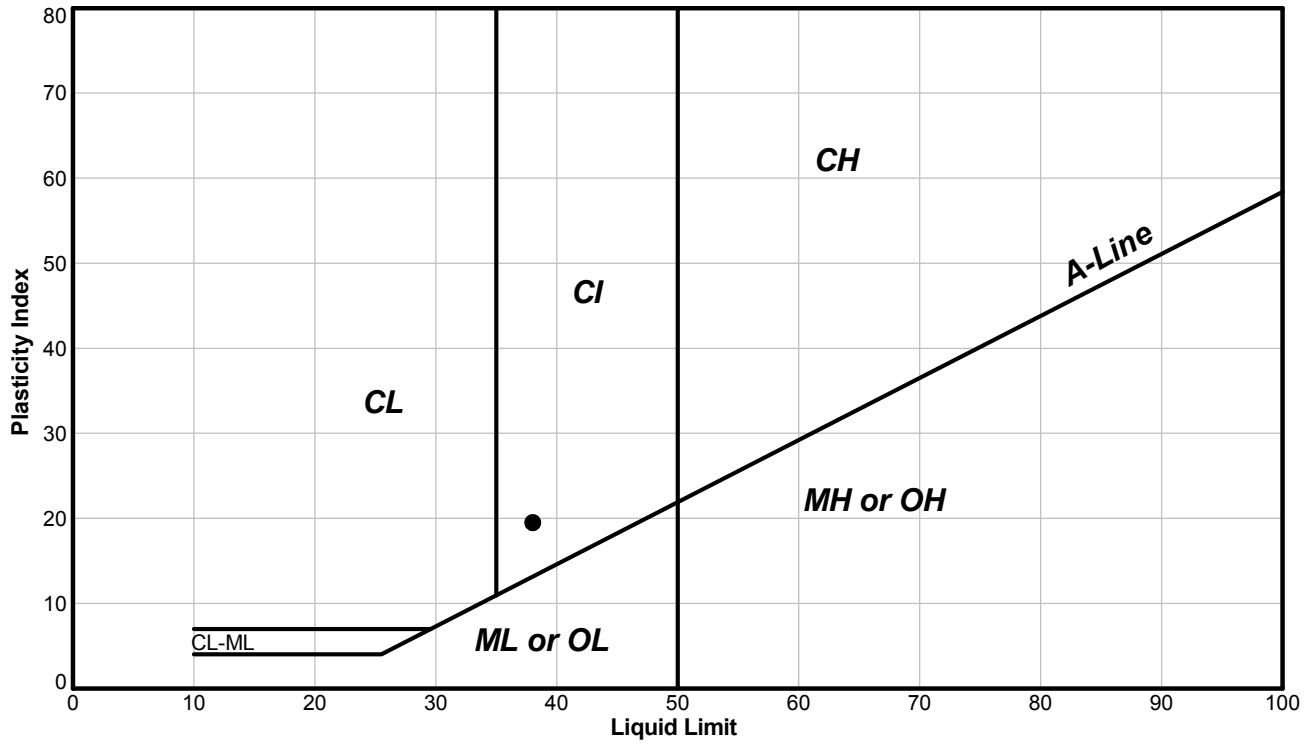
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 7.00 to 7.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Classification and Definition: CI

Other Remarks: **N/A**

Test Method: A-Multi Point | **Preparation Method: Moist**

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
●	GT12-09	4	7.00	7.50	79	38	19	19	29.4	0.5

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

Reference(s)
ASTM D 4318-10

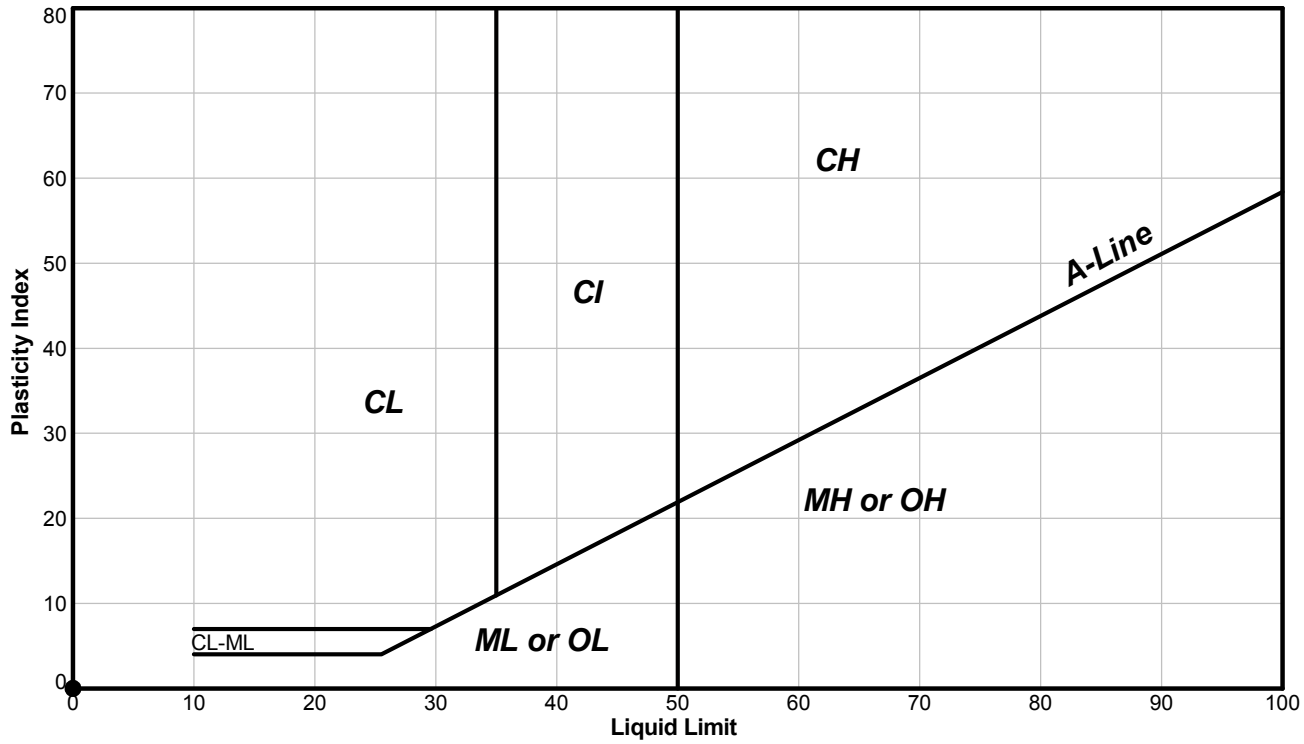
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-21**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.65 to 5.95
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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

Other Remarks: **N/A**

Test Method: A-Multi Point | **Preparation Method: Removal of sand lenses**

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
●	GT12-21	2	5.65	5.95	61	NP	NP	NP	7.9	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

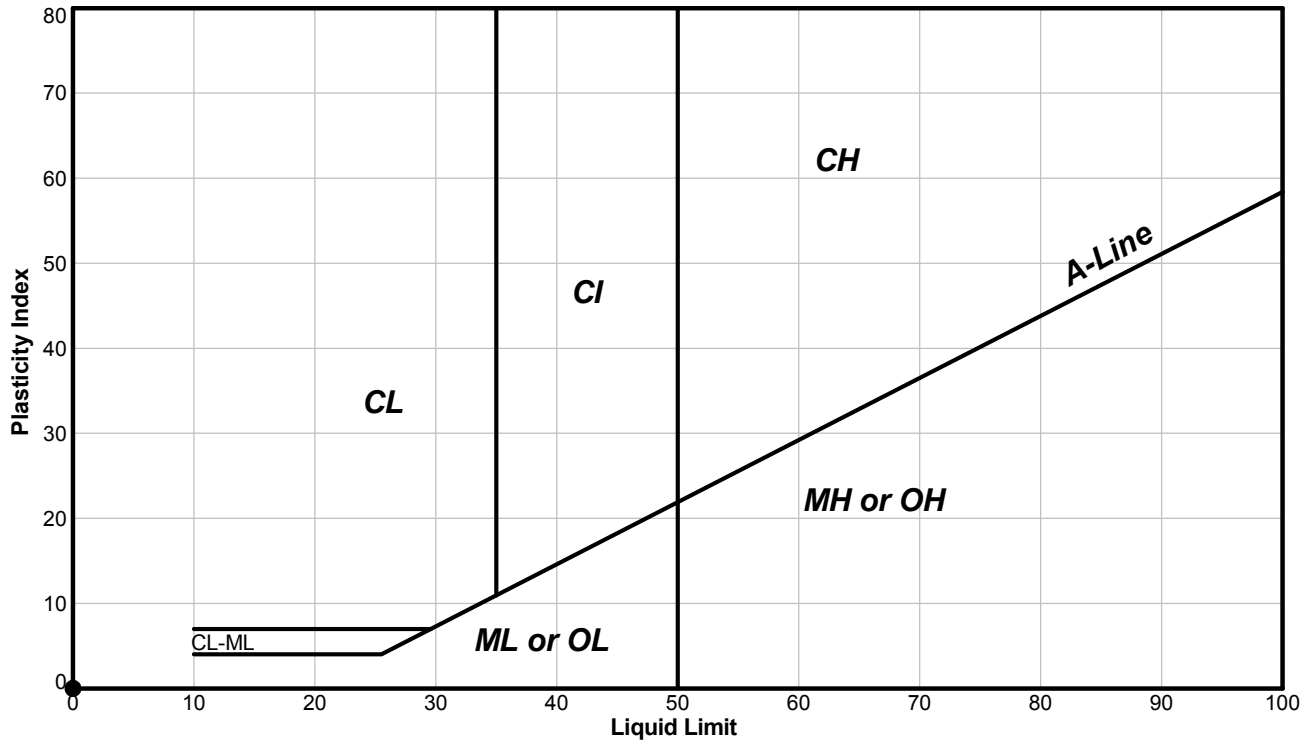
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-24**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.90 to 6.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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

Other Remarks: **N/A**

Test Method: A-Multi Point | **Preparation Method: Removal of sand lenses**

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
●	GT12-24	5	5.90	6.50	63	NP	NP	NP	8.1	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

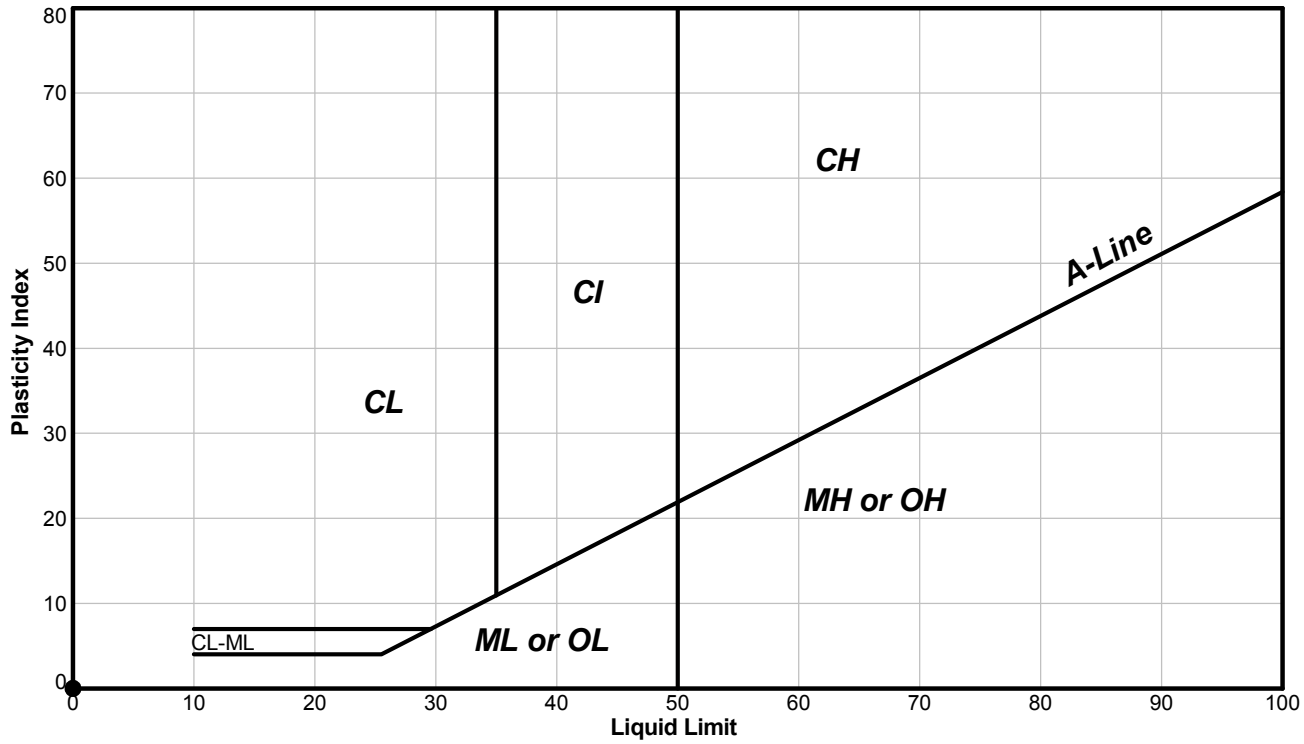
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-27**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.56 to 2.85
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

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

Other Remarks: **Removal of sand lenses.**

Test Method: A-Multi Point | **Preparation Method: Nonplastic Soil (NP)**

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
●	GT12-27	2	2.56	2.85	83	NP	NP	NP	21.8	NP

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

TM	5/18/2012	LP	5/31/2012
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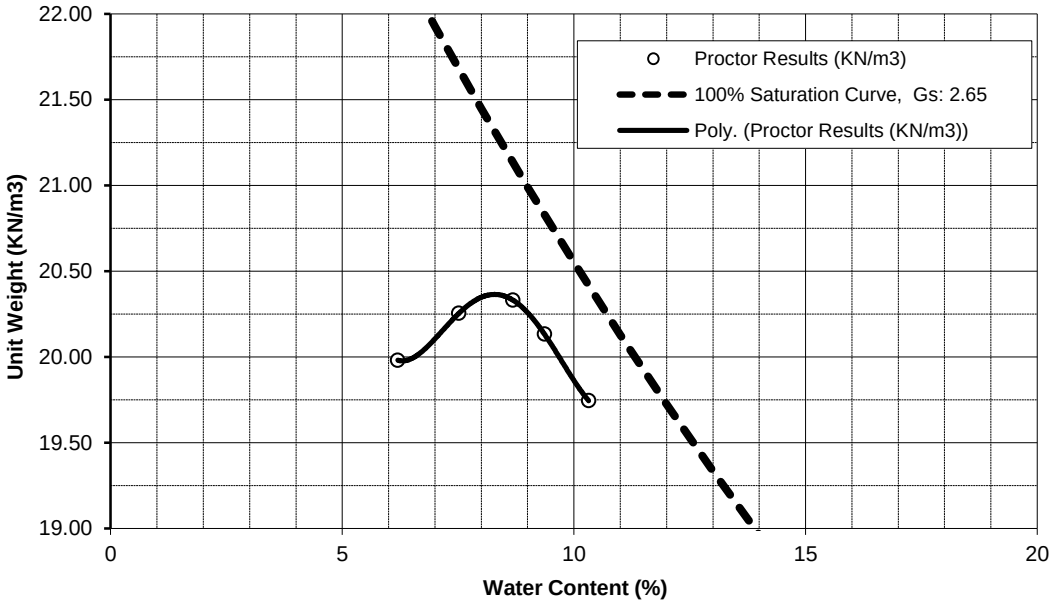
Compaction of Soil Using Standard Effort

Reference
ASTM D 698-07

Client:	AEM	**Borehole:**	GT12-47
Project:	MELIADINE	**Sample:**	Composite
Location:	NUNAVUT	**Depth (m):**	2.30-16.60
Project No.:	11-1428-0011	**Lab ID No:**	143
Effort Type:	Standard	**Visual Description:**	-
Test Method:	B	**Type of Rammer:**	Mechanical
Preparation Method:	Dry	**Mould Volume (m^3):**	0.000946
Remarks:	Circular foot hammer		

Compaction Results

Trial No.:	1	2	3	4	5
Unit Weight (KN/m^3)	20.33	20.25	19.98	19.75	20.13
Water Content (%):	8.7	7.5	6.2	10.3	9.4



Uncorrected Optimum w (%):	8.4	**Uncorrected Unit Weight (KN/m^3)**	20.34

ASTM D 4718-87 (2007) Correction for oversize particles

Max Percent Oversize (%):	20	**Sieve Size (mm):**	9.50
Oversized Fraction		***Test Fraction***	
Percent Oversized Fraction (%):	21.0	**Percent Test Fraction (%):**	79.0
Gsc (assumed):	2.65	**Gsf (assumed):**	2.65
Water Content of Oversized (%):	1.5	**Water Content of Test (%):**	8.4

Final Results

Corrected Optimum w (%):	7.0	**Corrected Unit Weight (KN/m^3)**	21.31
		Corrected Dry Density (Kg/m^3)	2172

M.M & T.M	Wednesday Sept 19, 2012	LP	September 19,2012
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Burnaby Laboratory
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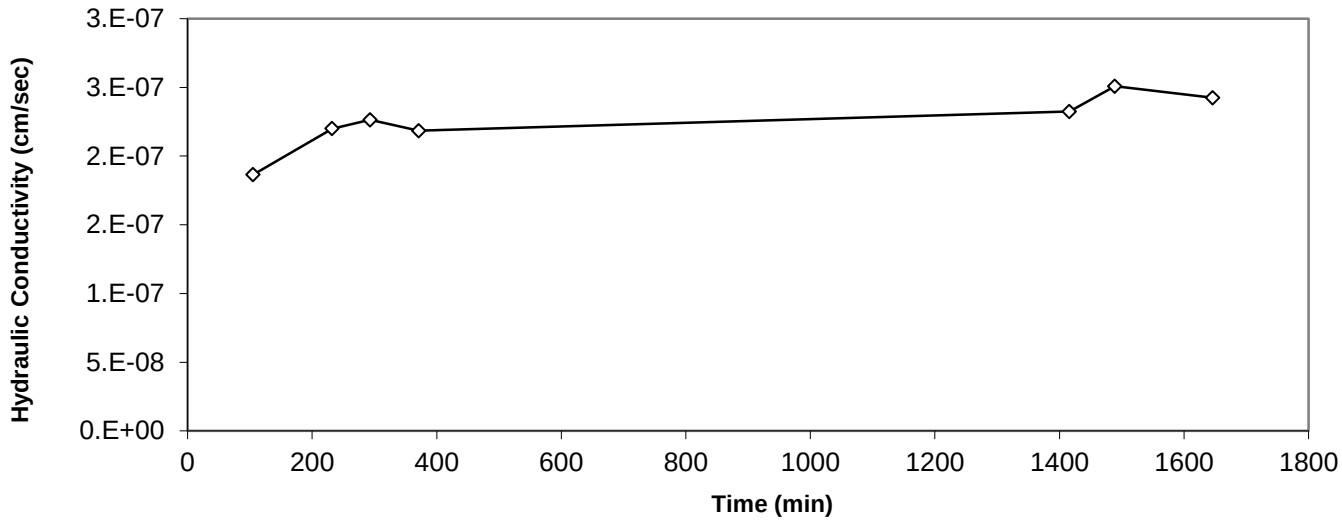
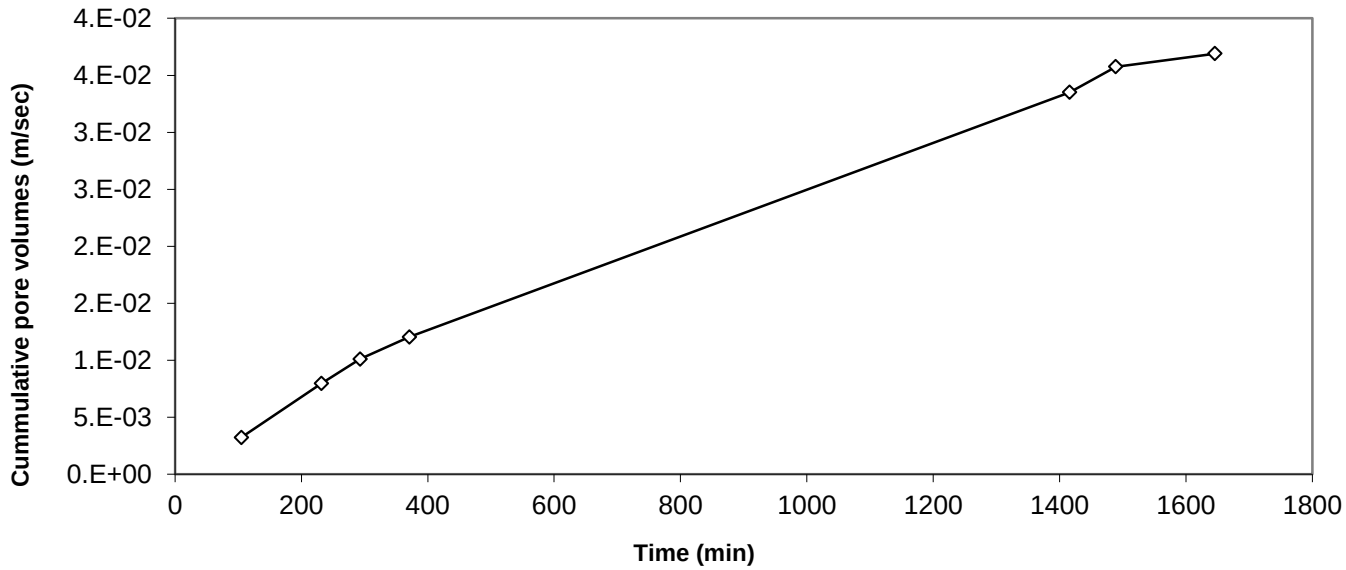
Measurement of Hydraulic Conductivity of Porous Material Using a Rigid-Wall, Compaction-Mold Permeameter

Reference: ASTM D 5856-95 (2007)

Project No:	**11-1428-0011**	**Borehole:**	**GT12-47**
Client:	**AEM**	**Sample No.:**	**Composite Sample**
Project:	**Meliadine**	**Depth (m):**	2.30-16.60
Location	**Nunavut**	**Lab ID No:**	143

Preparation Notes	**Sample Compaction:**	Standard Proctor	**Initial Dimensions**	D_o (cm):	10.35
Material passing 9.5mm sieve	**Target Compaction Degree:**	95.0%	w_o %:	6.41	H_o (cm): 11.70
	ρ_{dry} Max (kg/m^3):	2091	ρ_{dry} (kg/m^3):	2091	V_o (cm^3): 984.4
Test Method: C:Rising Tailwater (Falling Head)	**Permeameter Type:**	Single Ring Base Plate	**Permeant Liquid:**		De-aired Tap Water





Test Comments:		**Final Dimensions**		D_f (cm):	10.35	Total Number of Pore Volumes	0.159
Minimal swelling evident		w_f %:	10.28	H_f (cm):	11.72	Range of Hydraulic Gradient:	4.34-6.93
Amount of Swelling Measured:	0.1%	ρ_{dry} (kg/m^3):	2088	V_f (cm^3):	985.6	Average Conductivity k (cm/s):	2.31E-07
Duration of Test (min):	1489	**Gs (assumed):**	2.66	**Saturation %:**	100.0	Average Conductivity k20 (cm/s):	**2.25E-07**

EB	13-Nov-12	LP	NOVEMBER 19,2012
TESTED BY	DATE	CHECKED BY	DATE

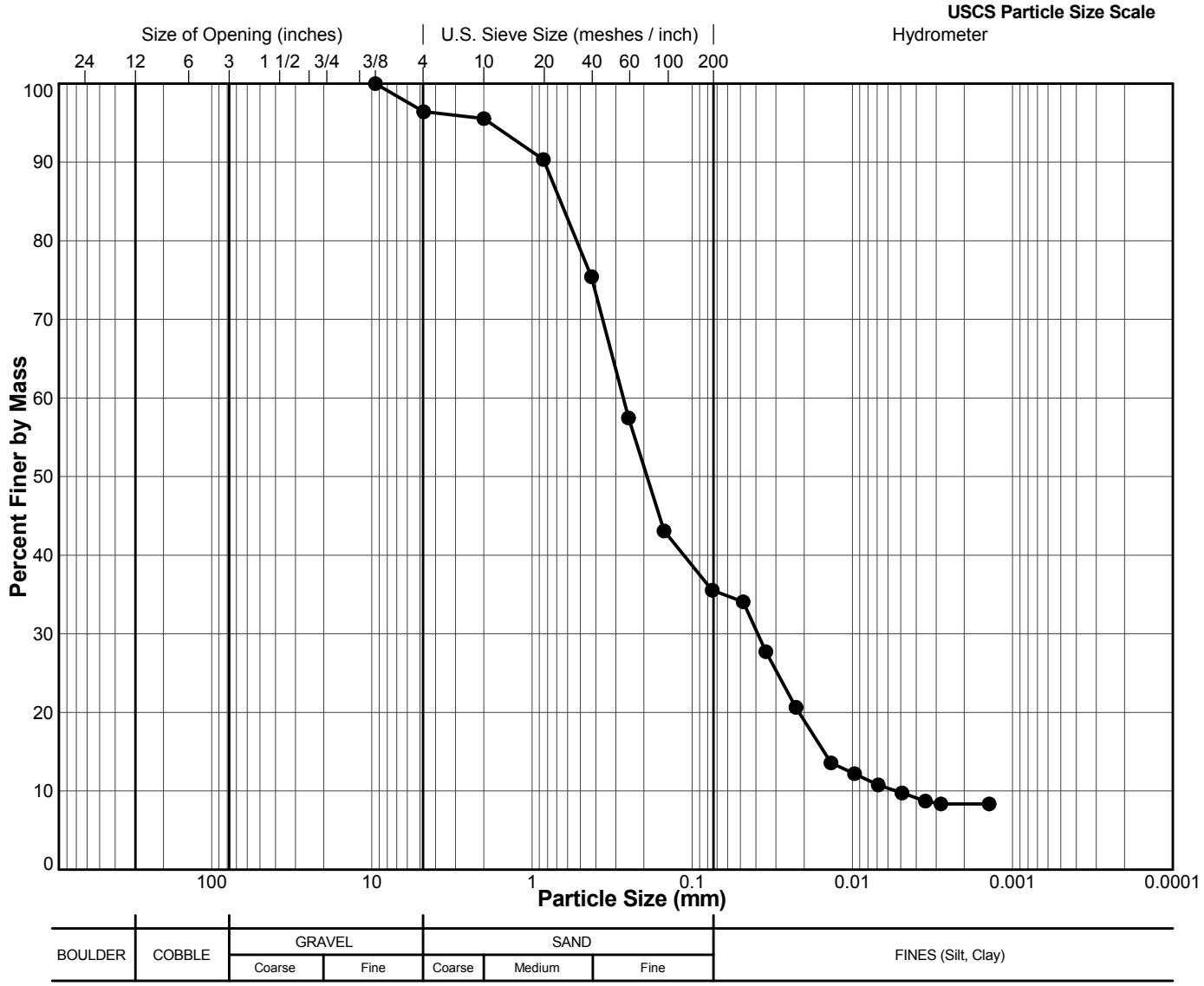
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.78 to 2.03
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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PARTICLE SIZE ANALYSIS OF SOILS

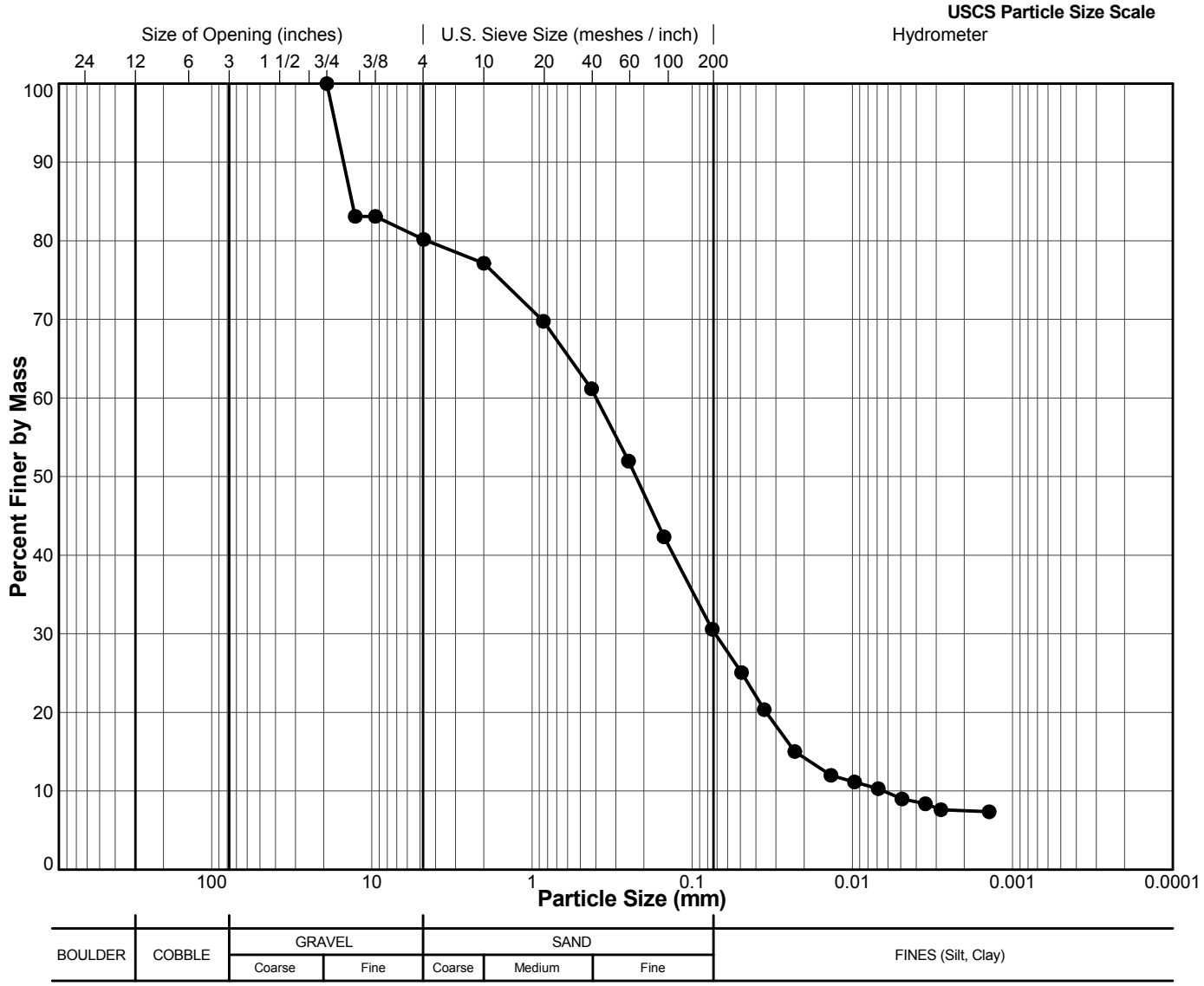
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 1B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.78 to 2.03
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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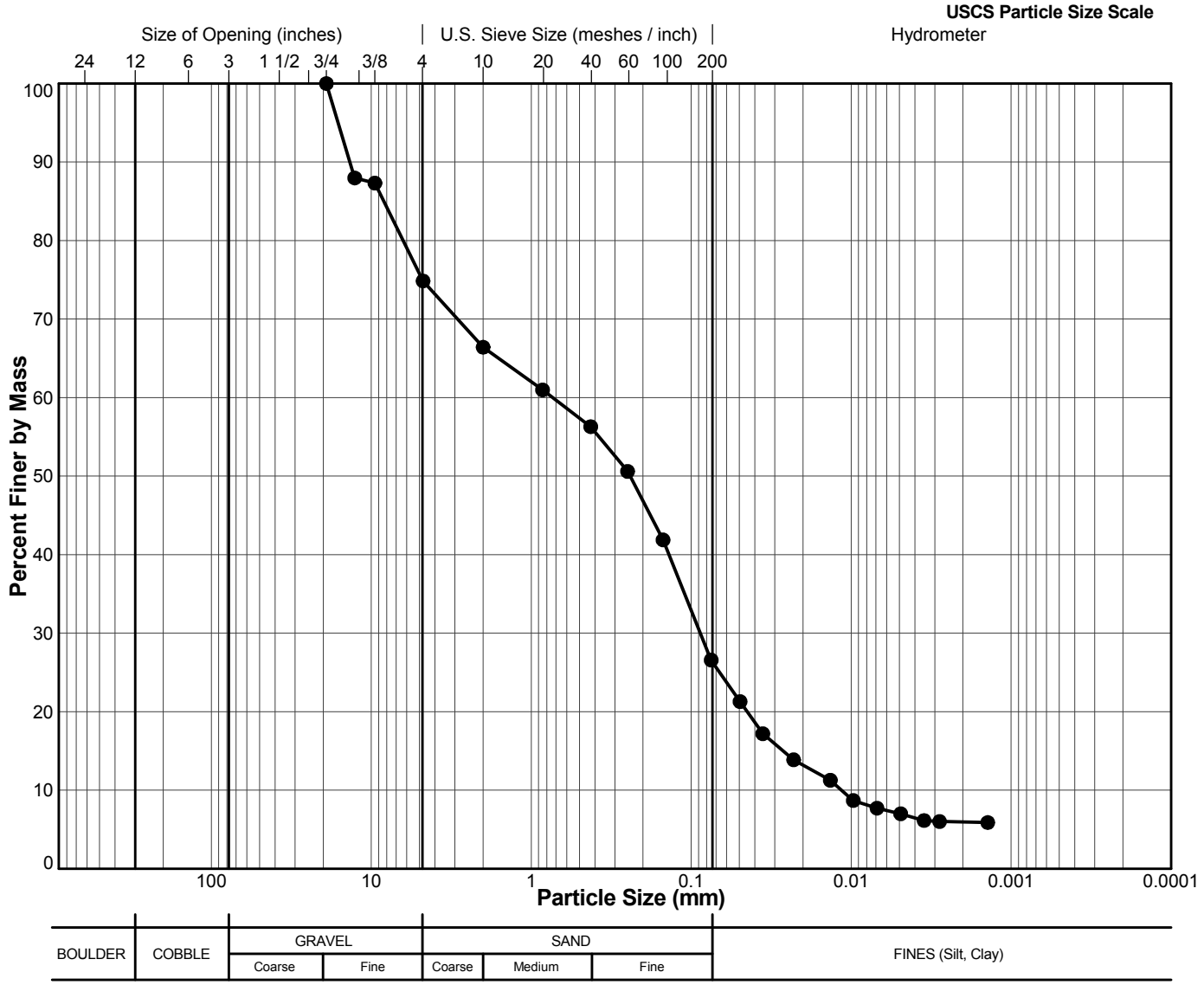
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.03 to 2.33
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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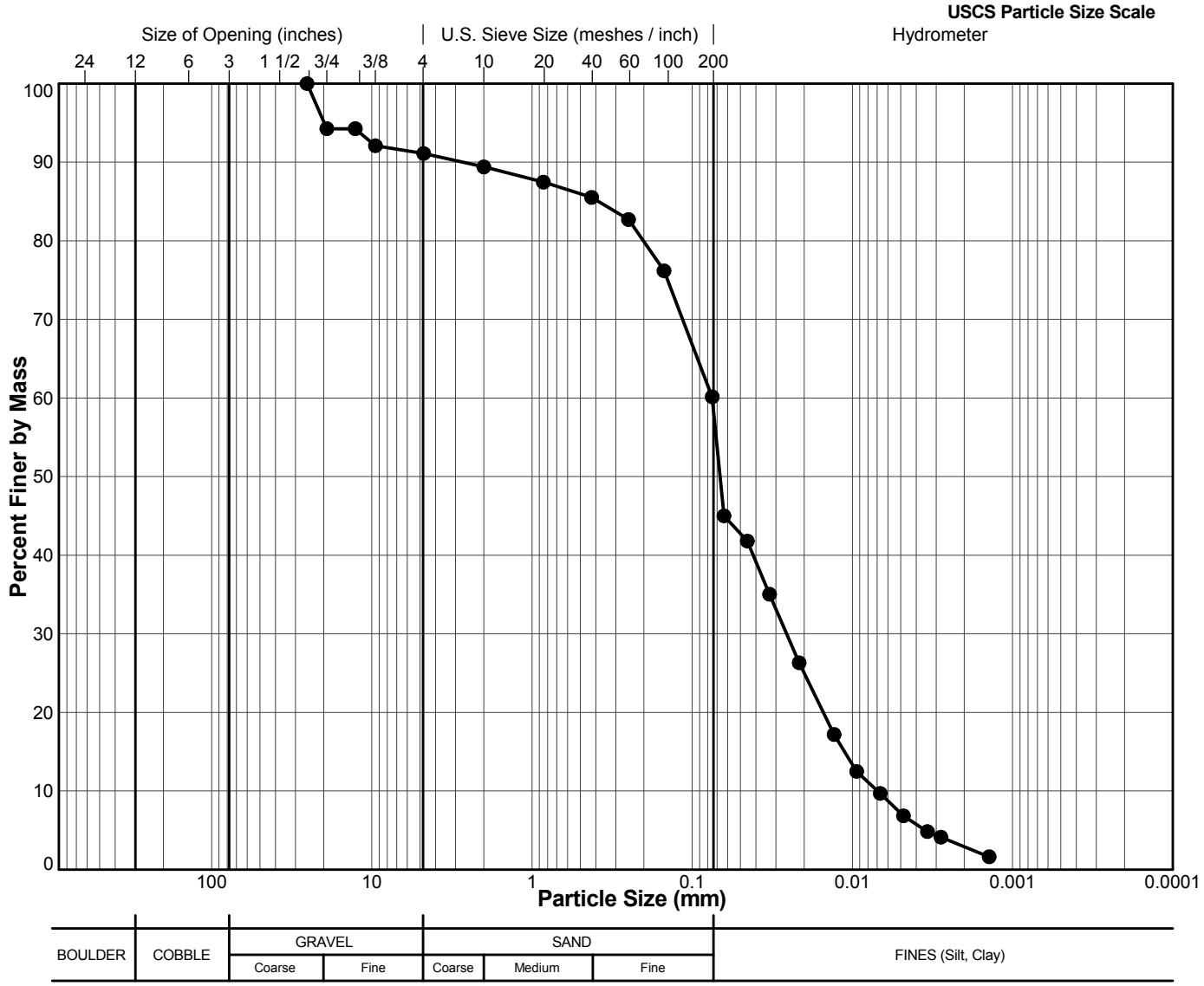
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.40 to 3.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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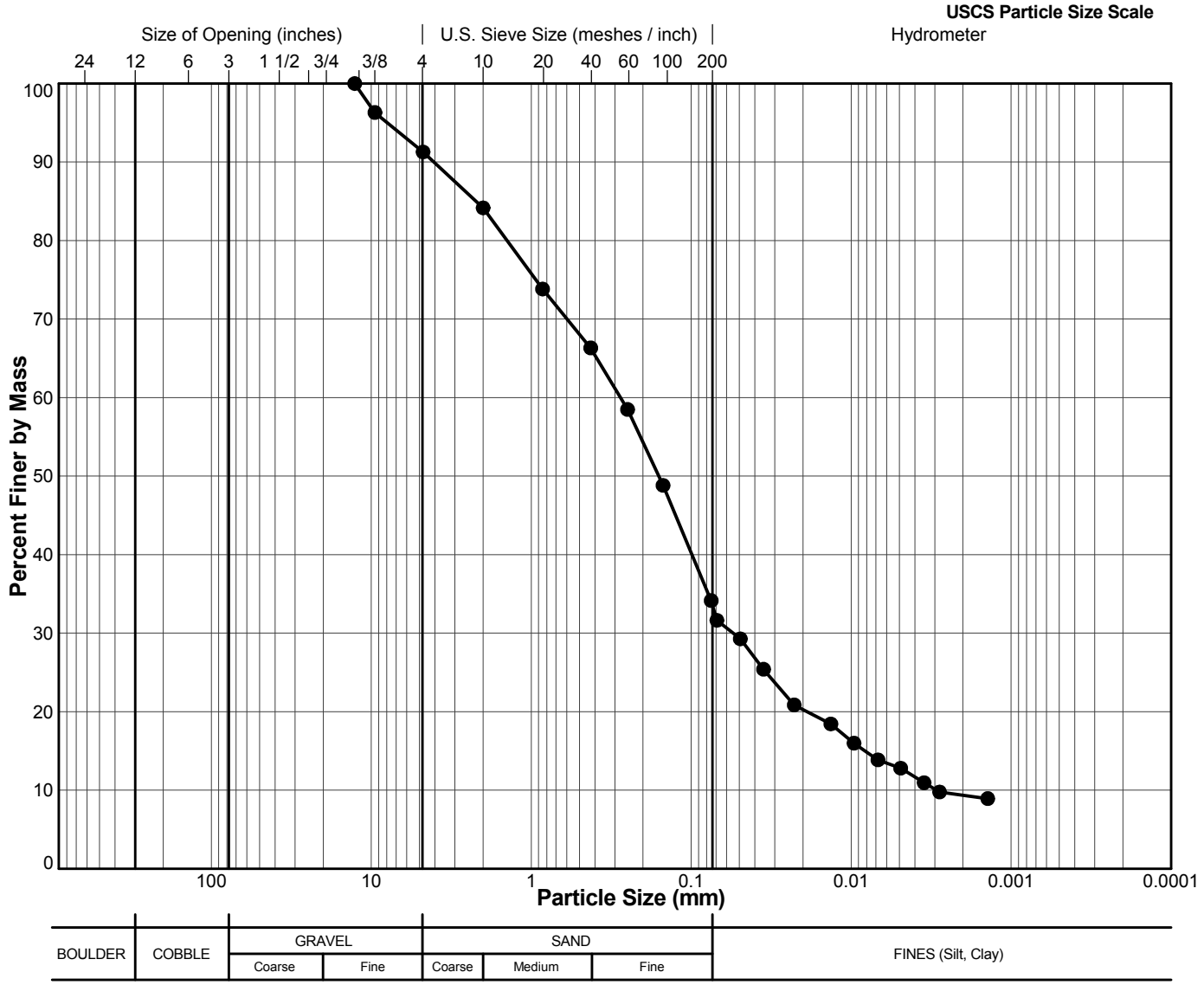
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-02A**
Project: 2012 Drilling Program	**Sample No.: 3B**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.40 to 3.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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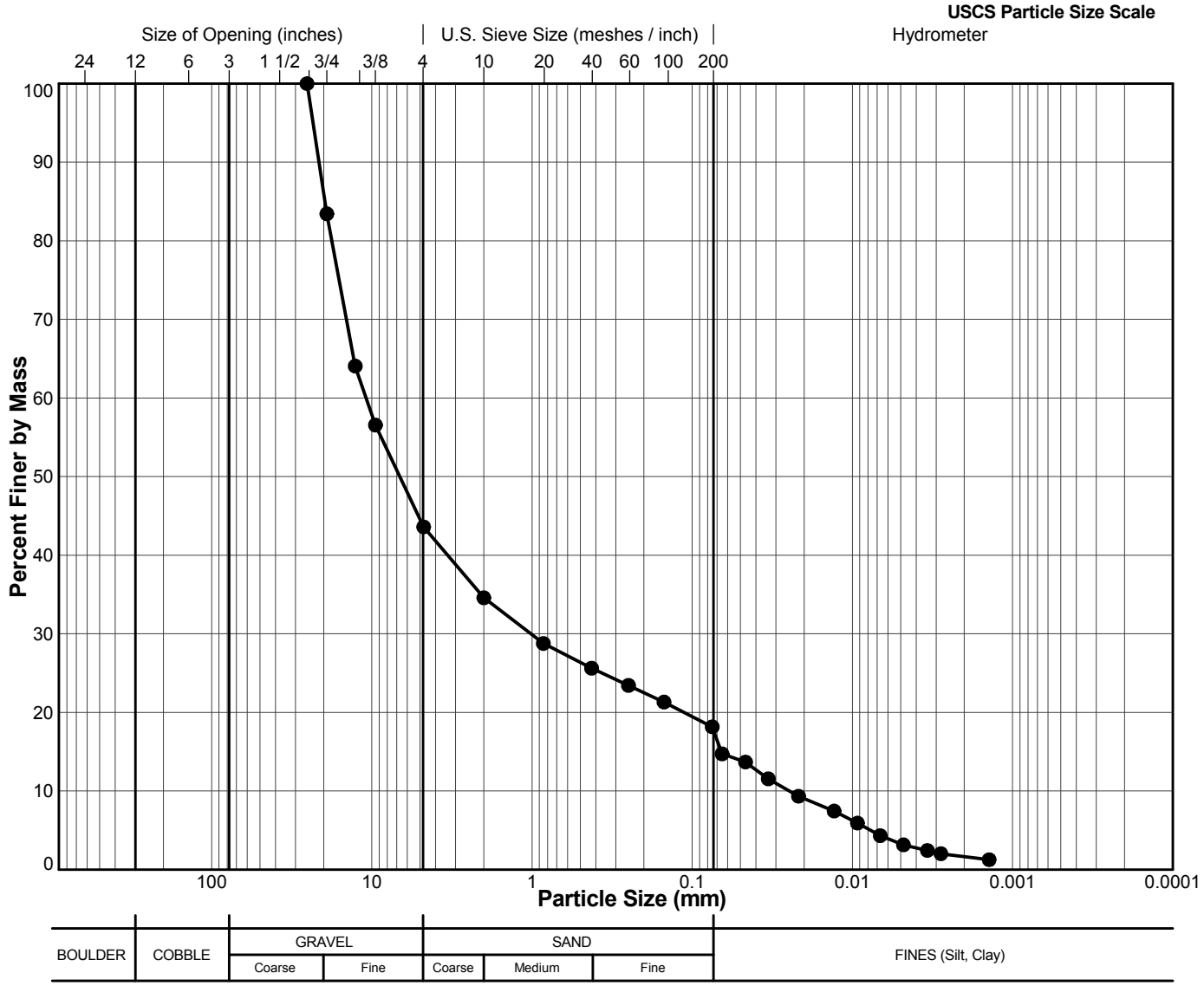
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.10 to 3.35
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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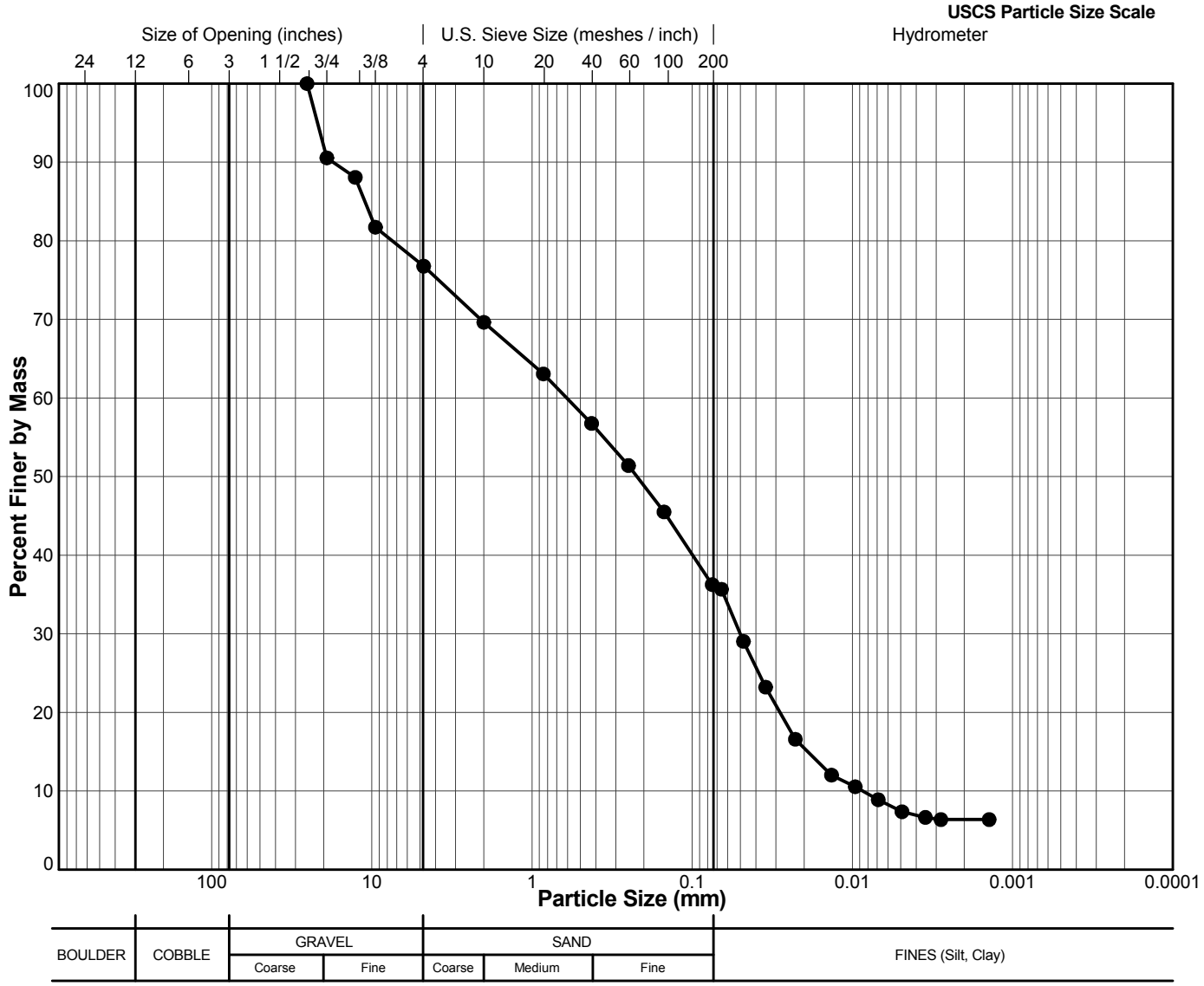
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.60 to 1.90
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/MM	5/22/2012	LP	5/31/2012
Tech	Date	Checked	Date

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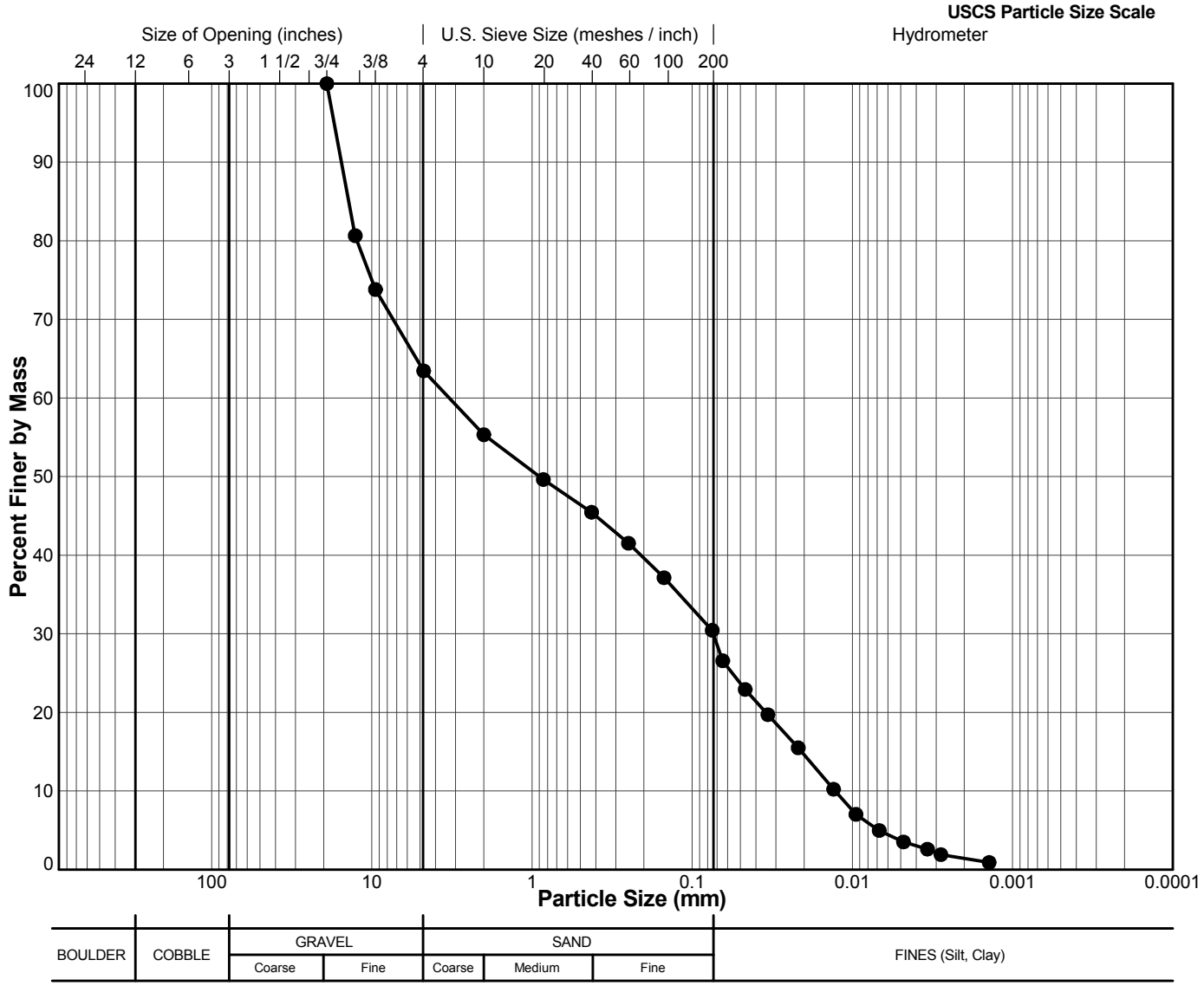
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.90 to 1.95
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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PARTICLE SIZE ANALYSIS OF SOILS

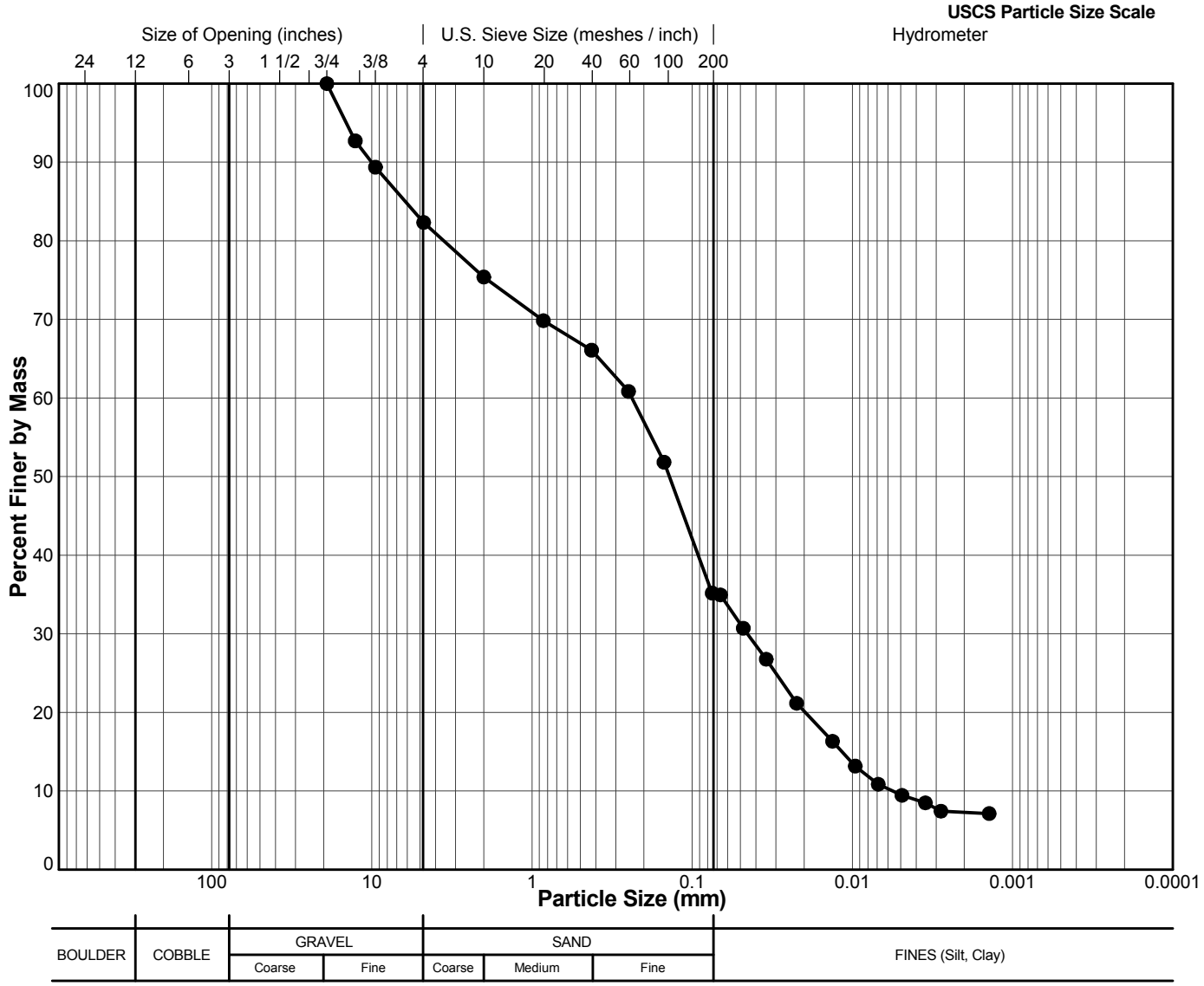
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.10 to 2.25
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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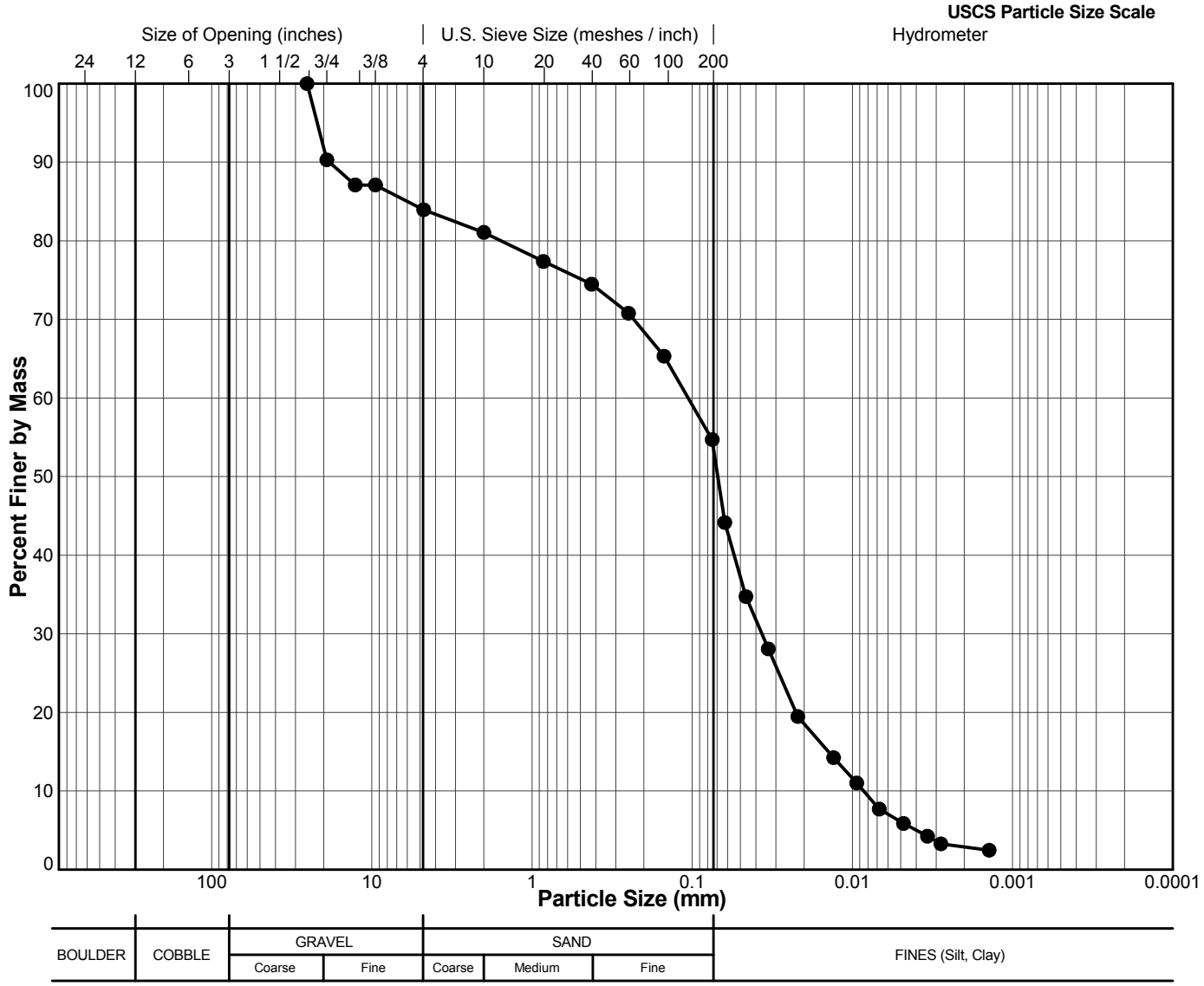
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.25 to 2.45
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

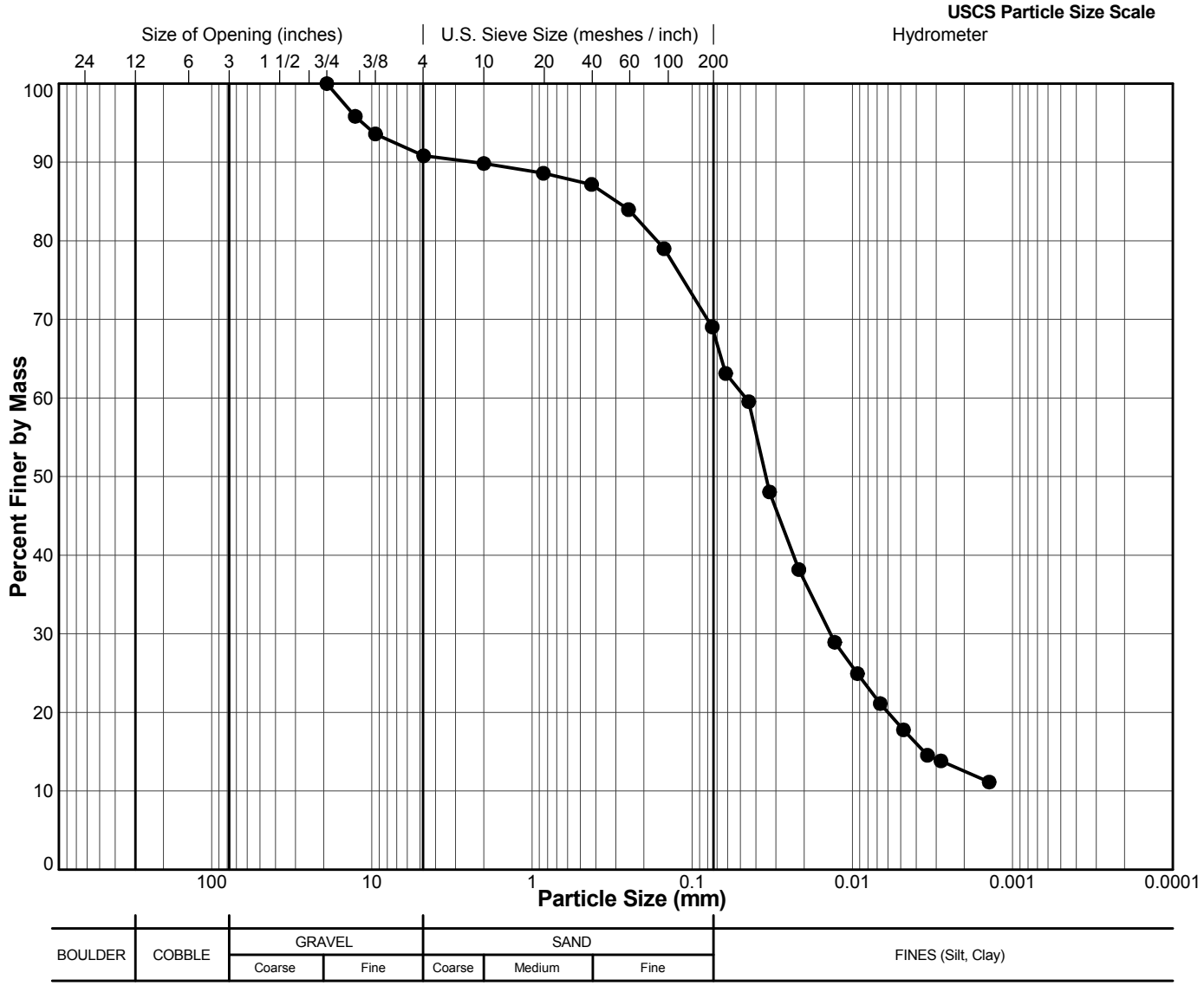
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.55 to 2.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

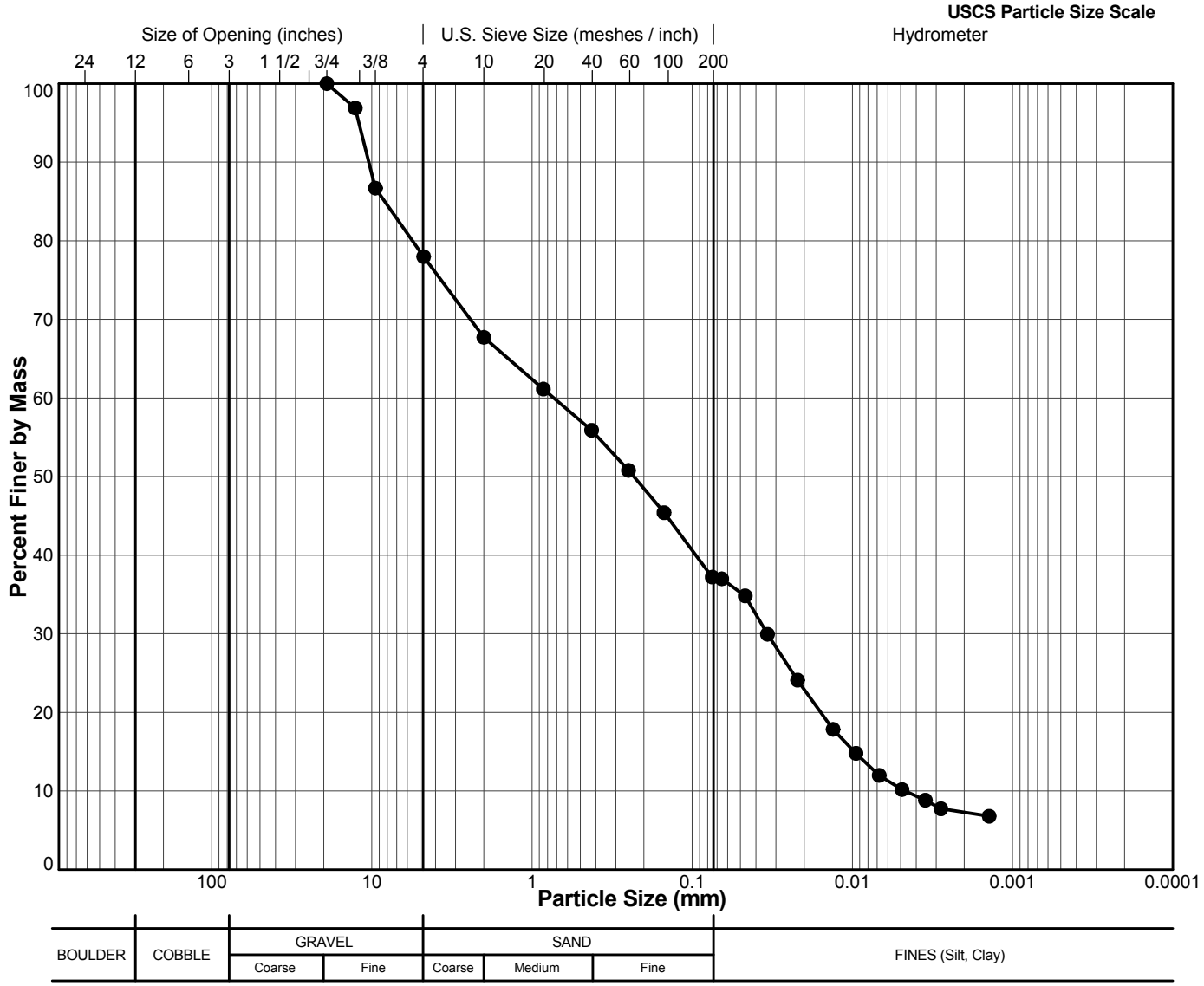
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-03B**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.70 to 3.85
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

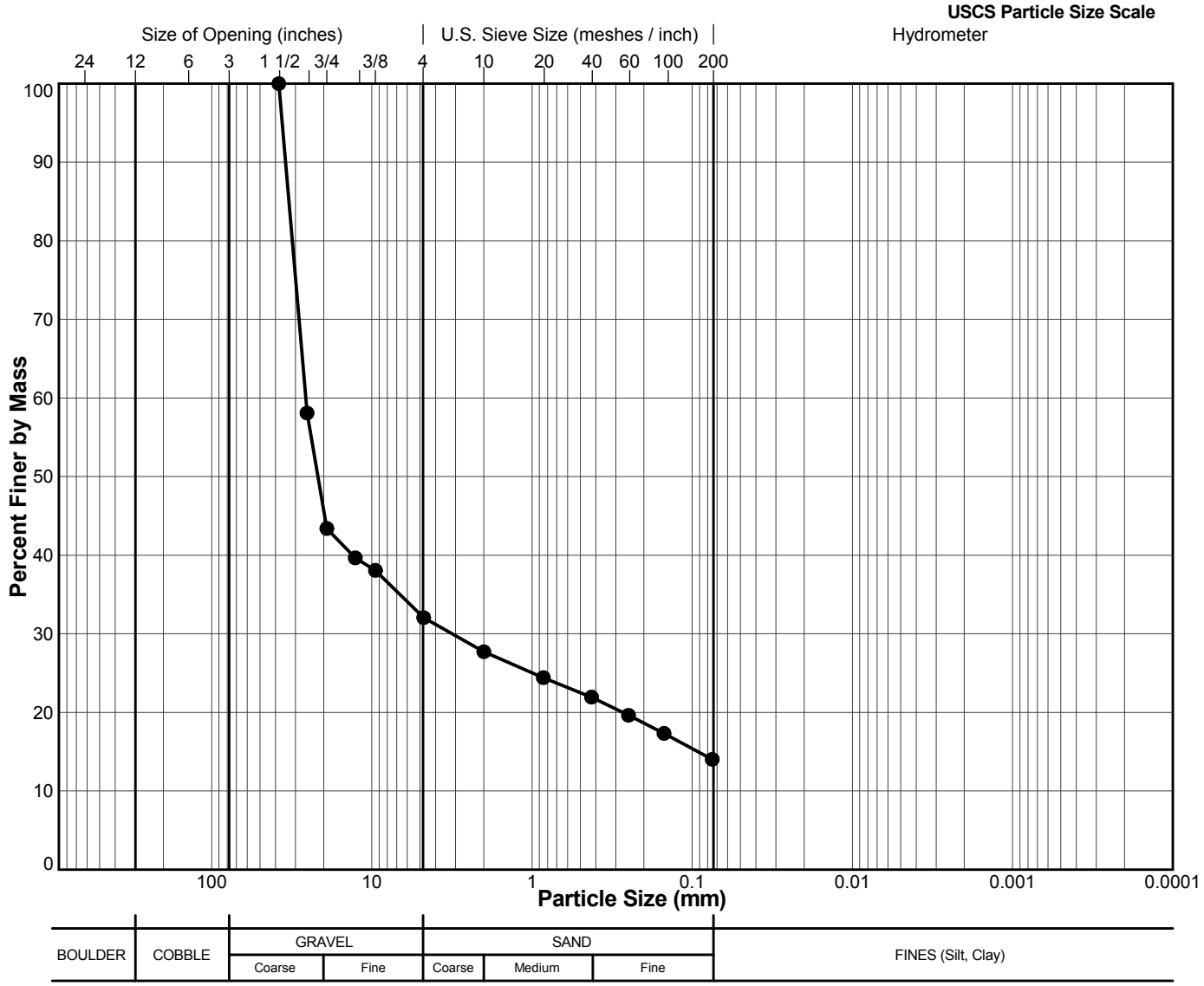
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.15 to 3.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



EB	**8/16/2012**	**LP**	**8/18/2012**
Tech	Date	Checked	Date

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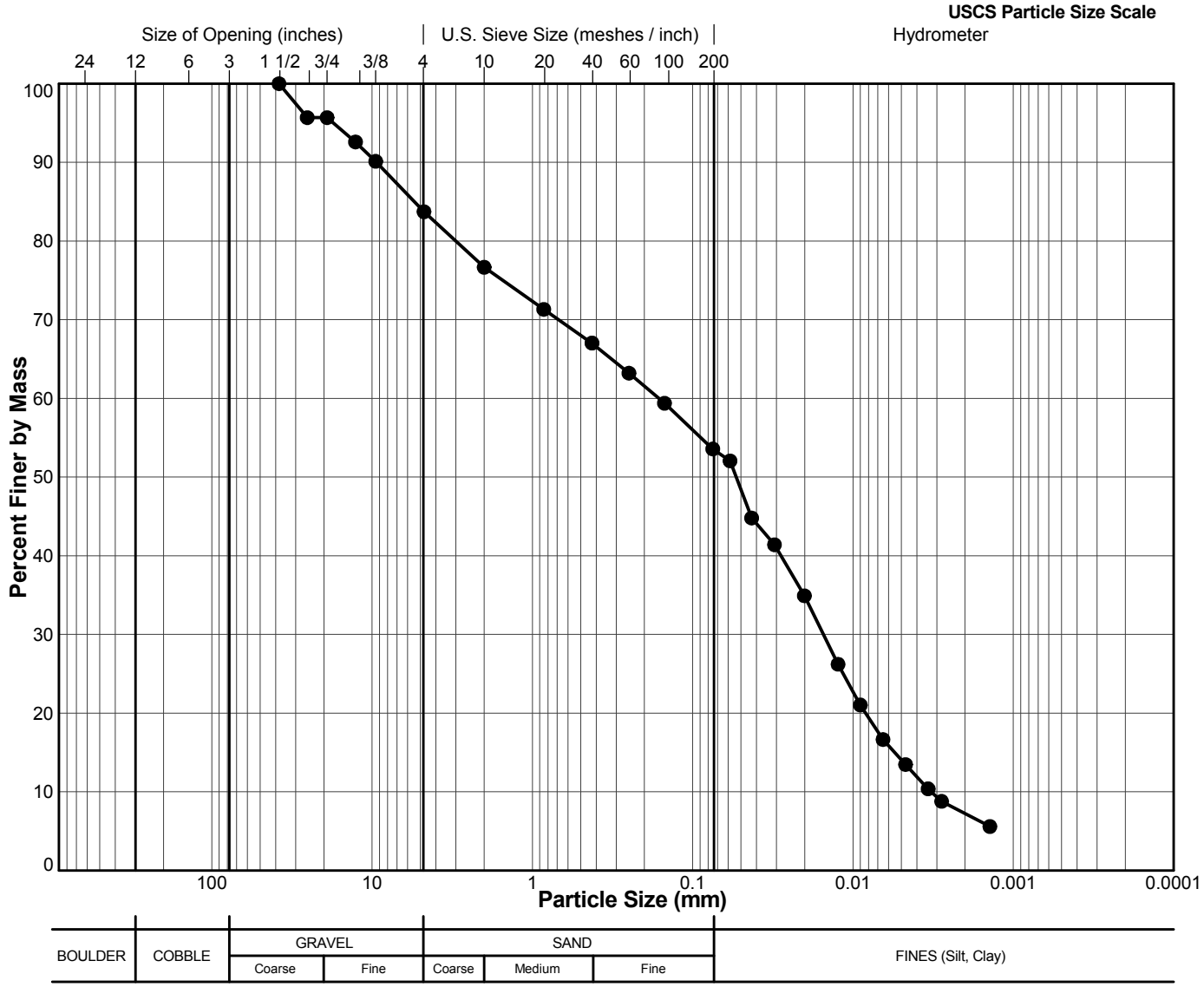
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.00 to 5.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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Tech	Date	Checked	Date

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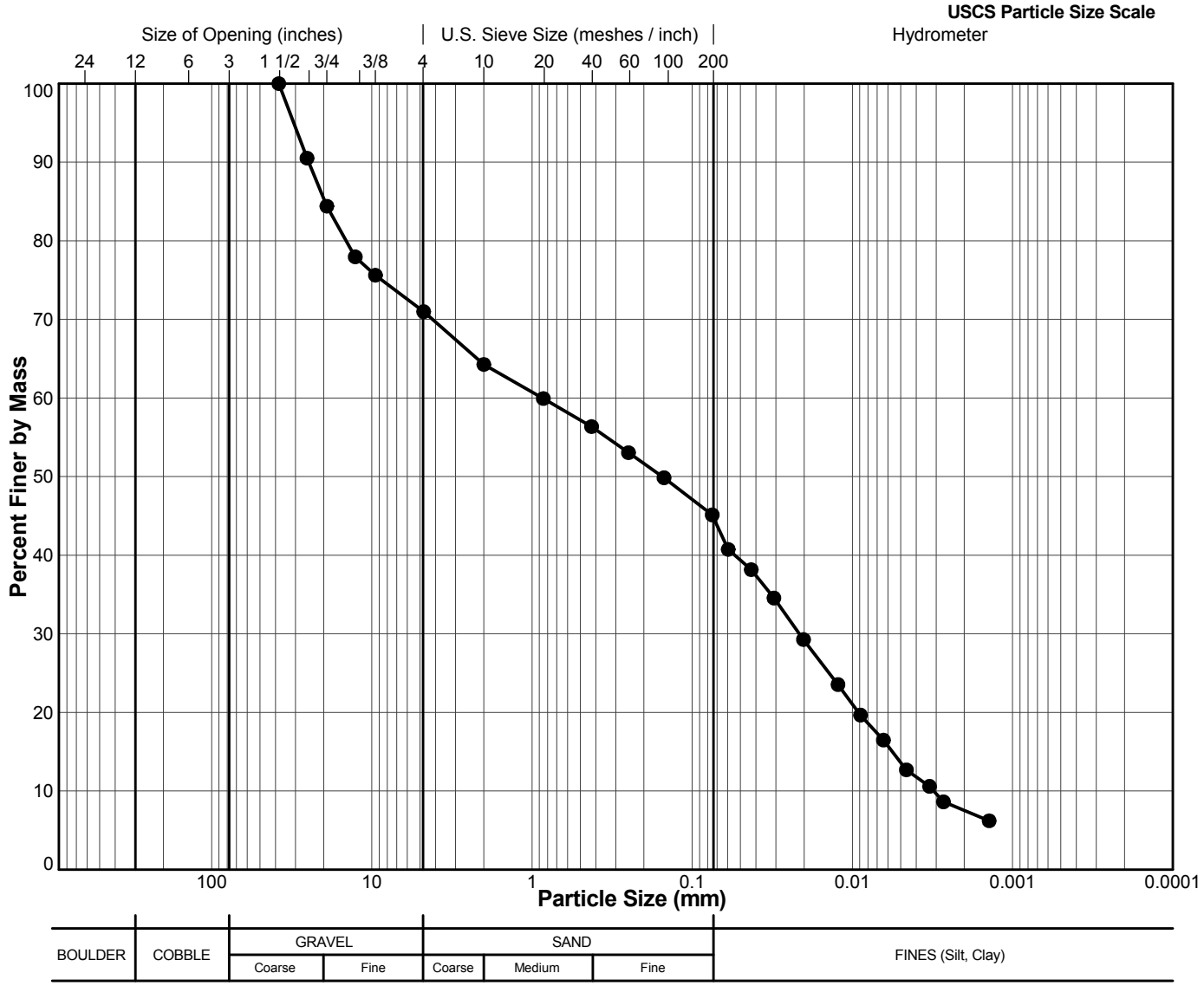
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.80 to 6.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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PARTICLE SIZE ANALYSIS OF SOILS

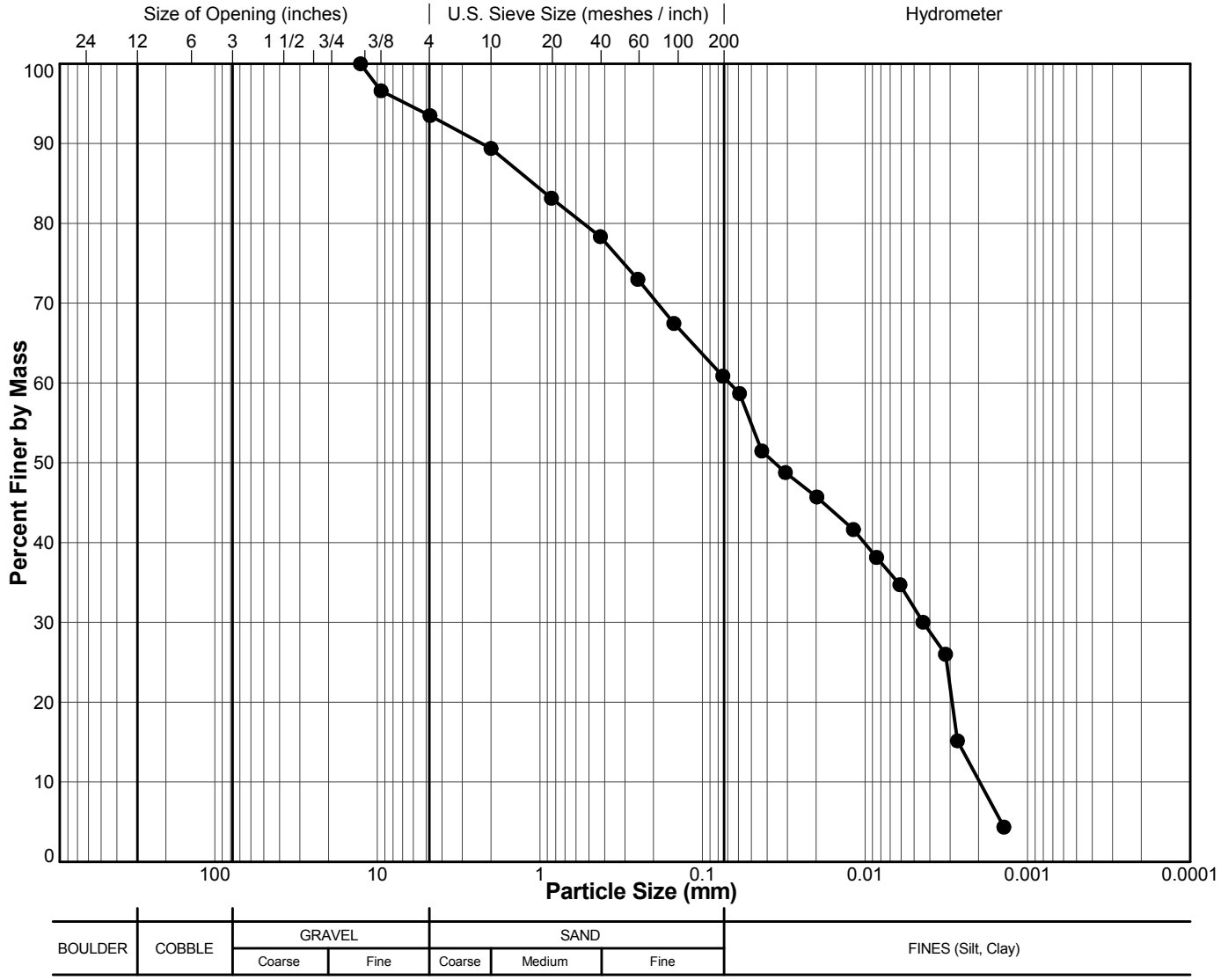
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-04**
Project: 2012 Drilling Program	**Sample No.: 7**
Location: Meliadine Gold Project	**Depth Interval (m):** 8.00 to 8.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	

USCS Particle Size Scale



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PARTICLE SIZE ANALYSIS OF SOILS

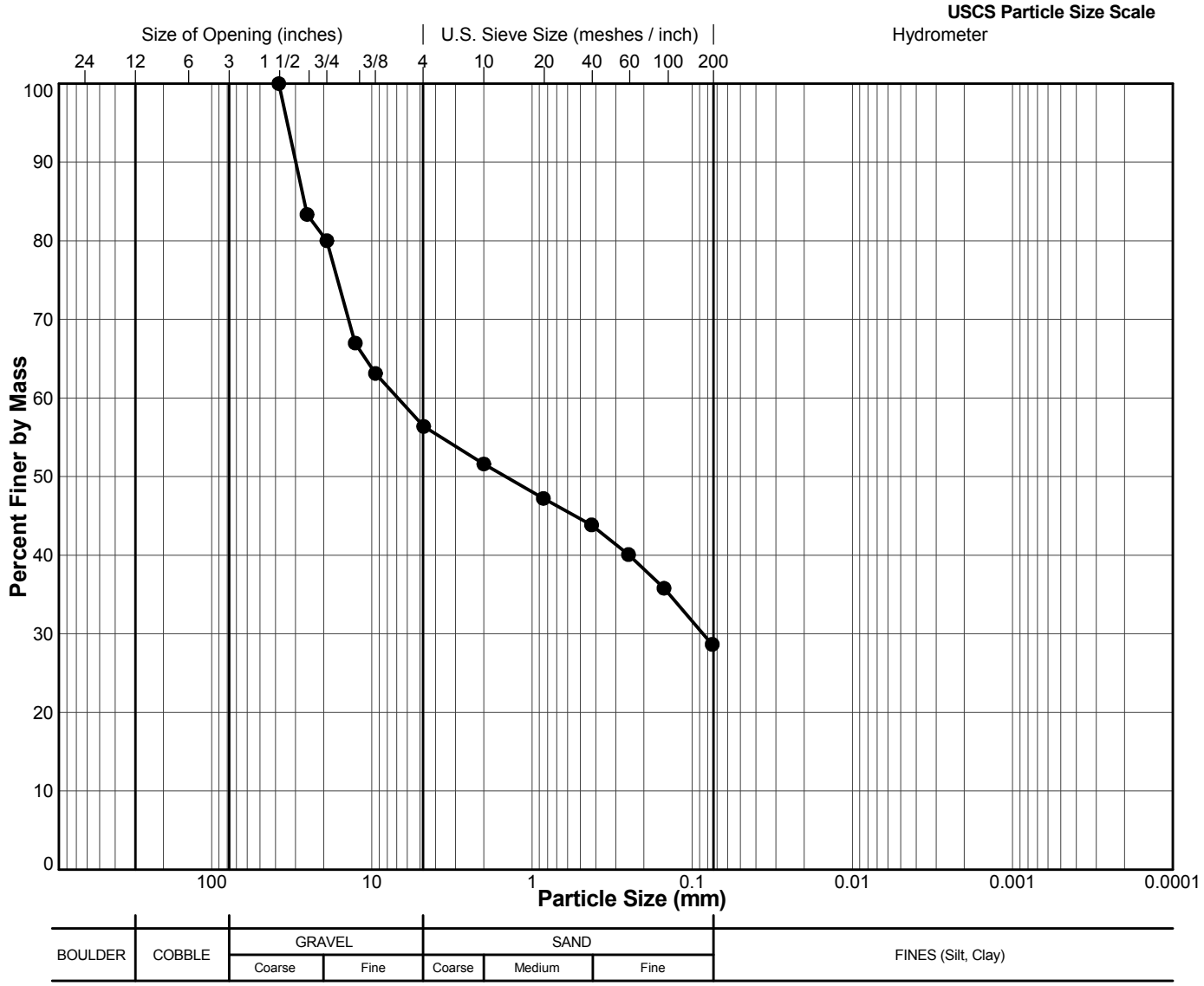
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-05**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.35 to 2.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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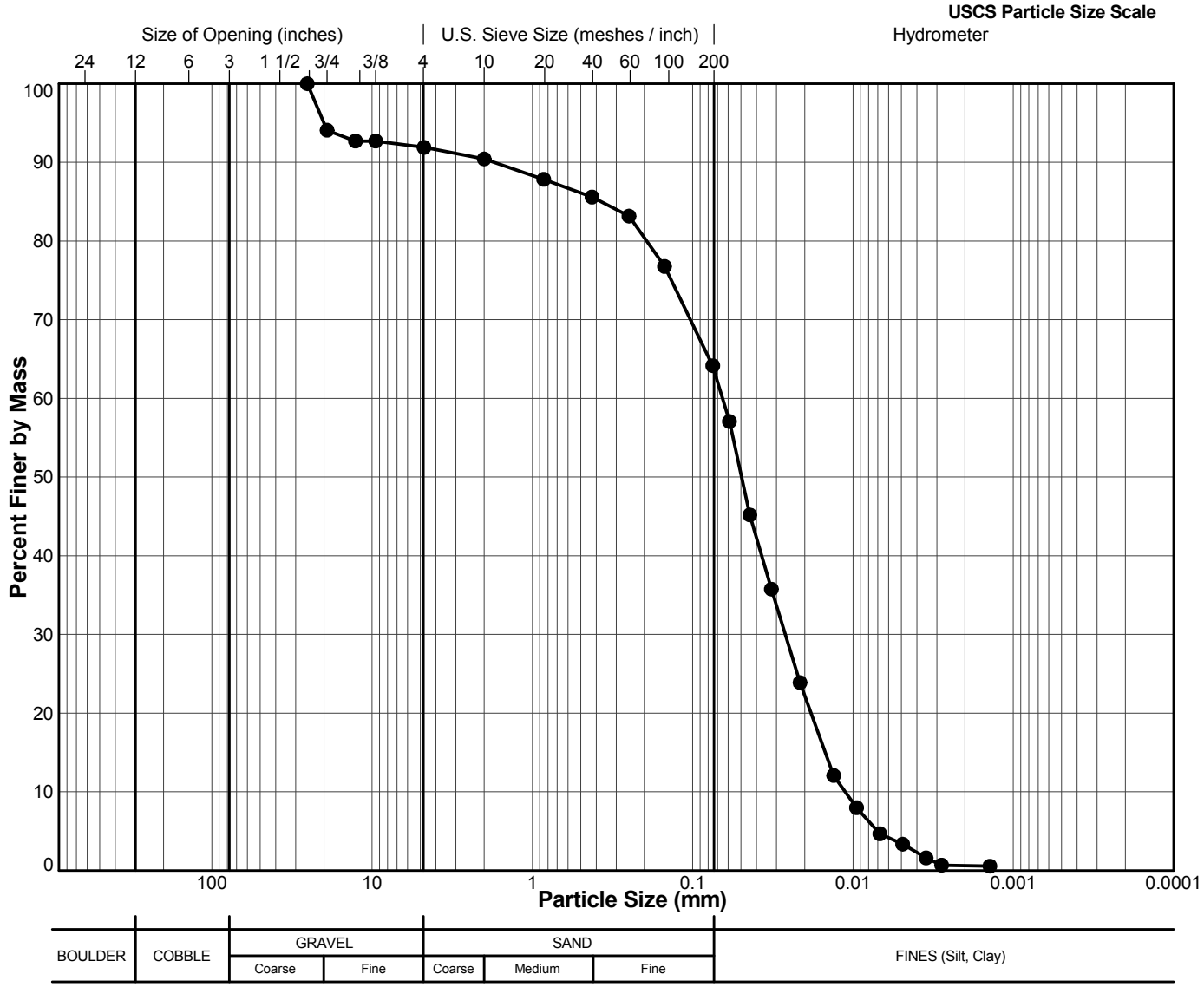
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-05**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.90 to 6.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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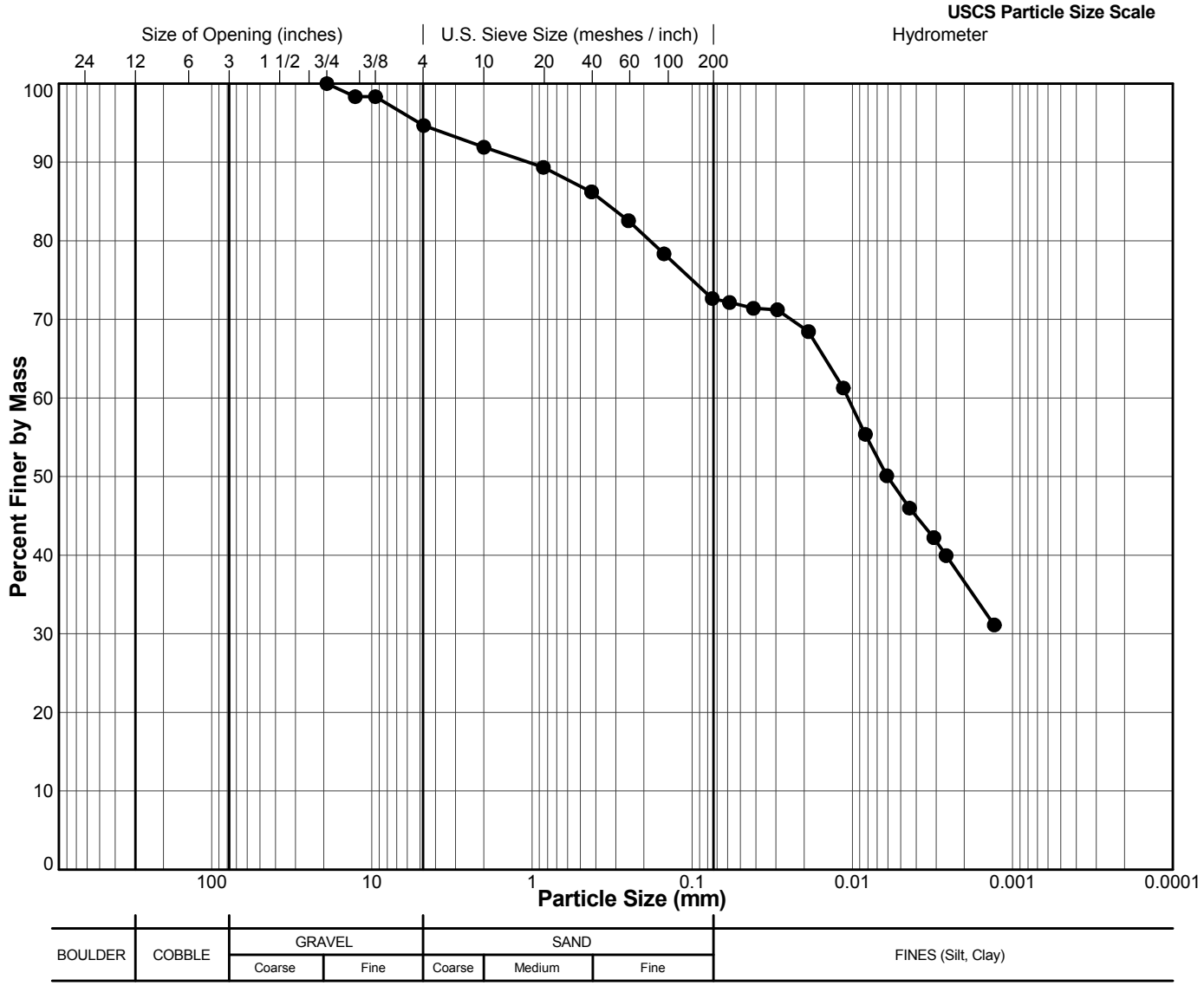
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-05**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 9.92 to 10.25
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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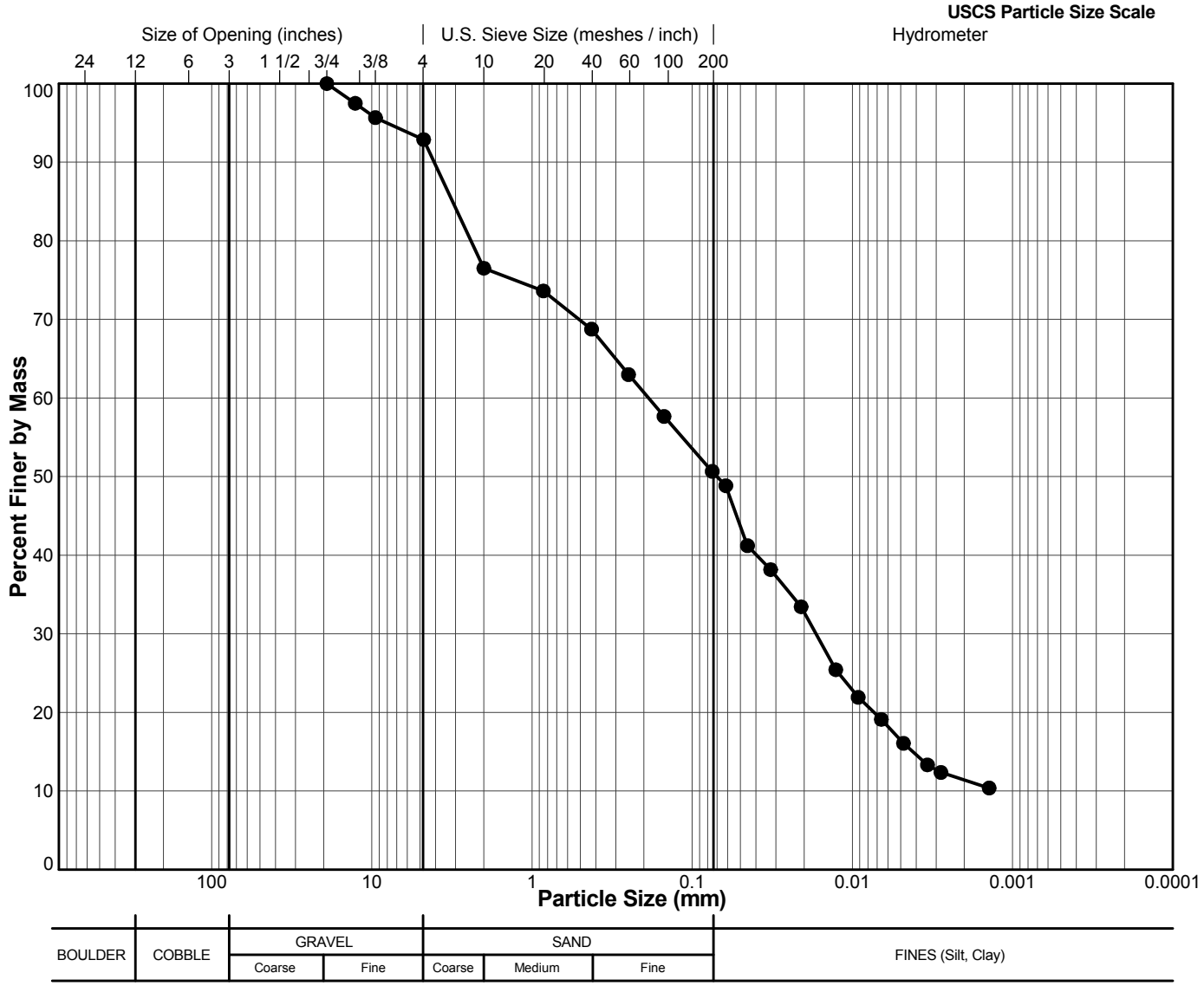
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-05**
Project: 2012 Drilling Program	**Sample No.: 10**
Location: Meliadine Gold Project	**Depth Interval (m):** 15.50 to 15.97
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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PARTICLE SIZE ANALYSIS OF SOILS

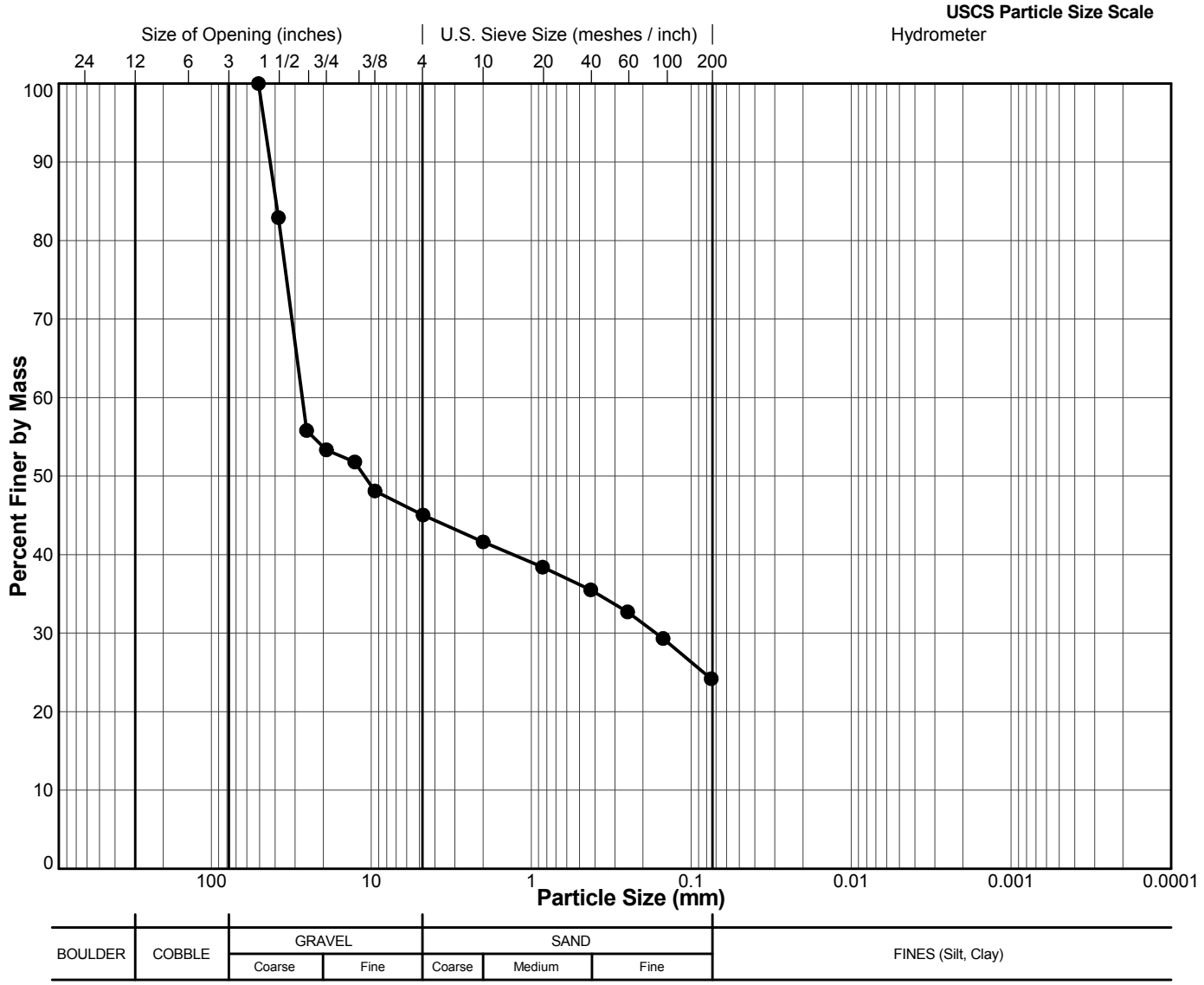
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-06**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.20 to 1.60
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Split, Washed



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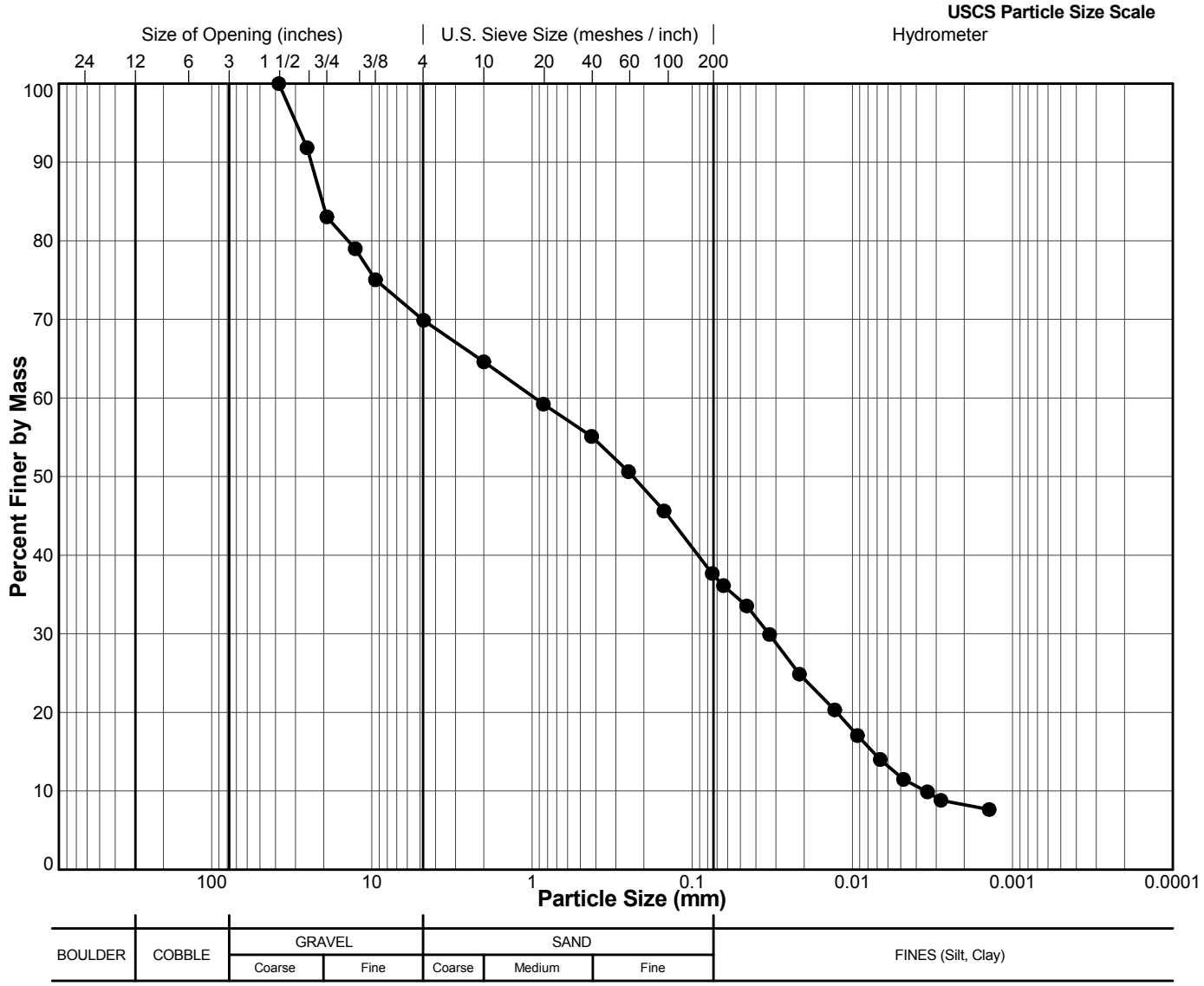
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-06**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.90 to 3.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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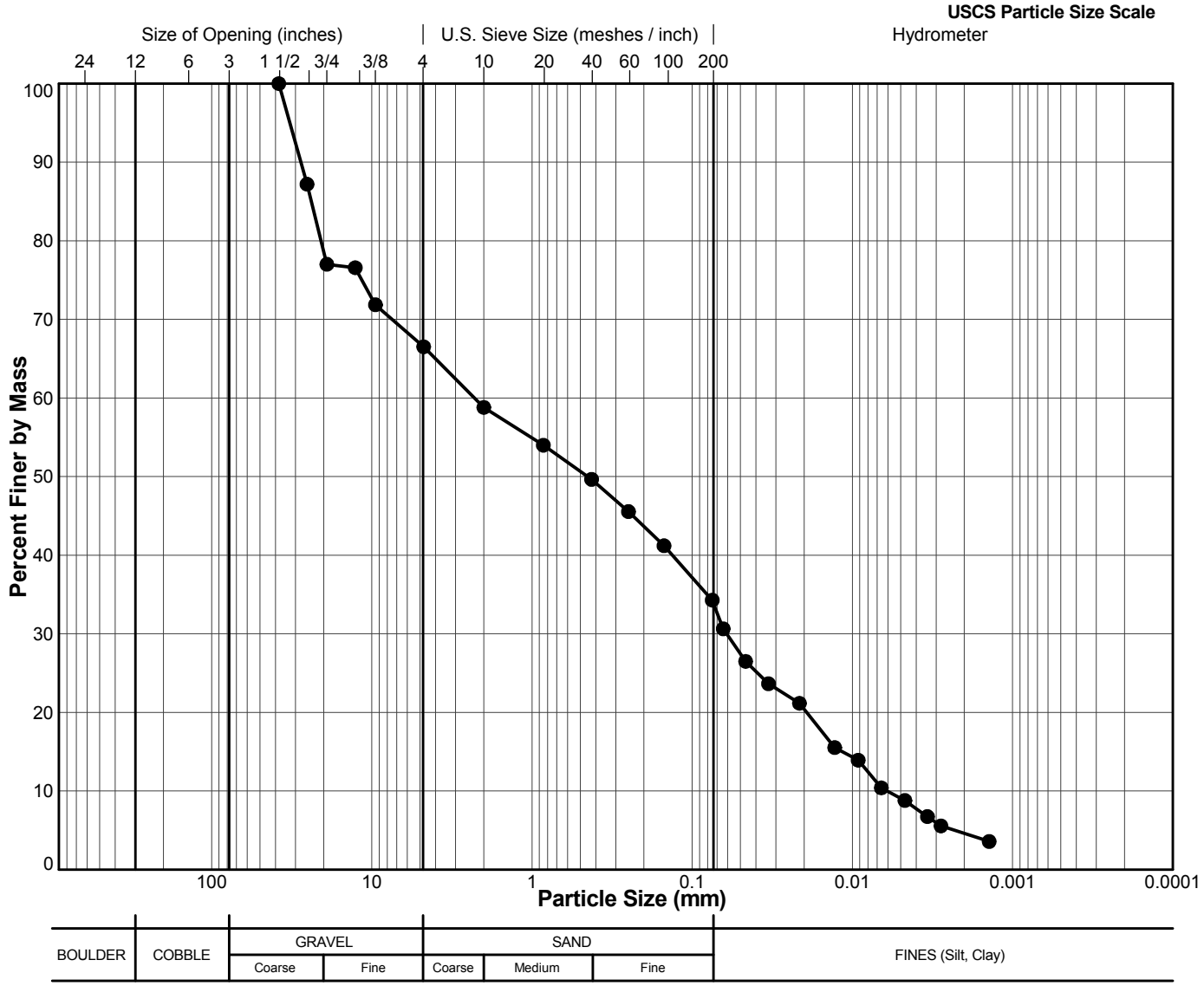
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-06**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 7.90 to 8.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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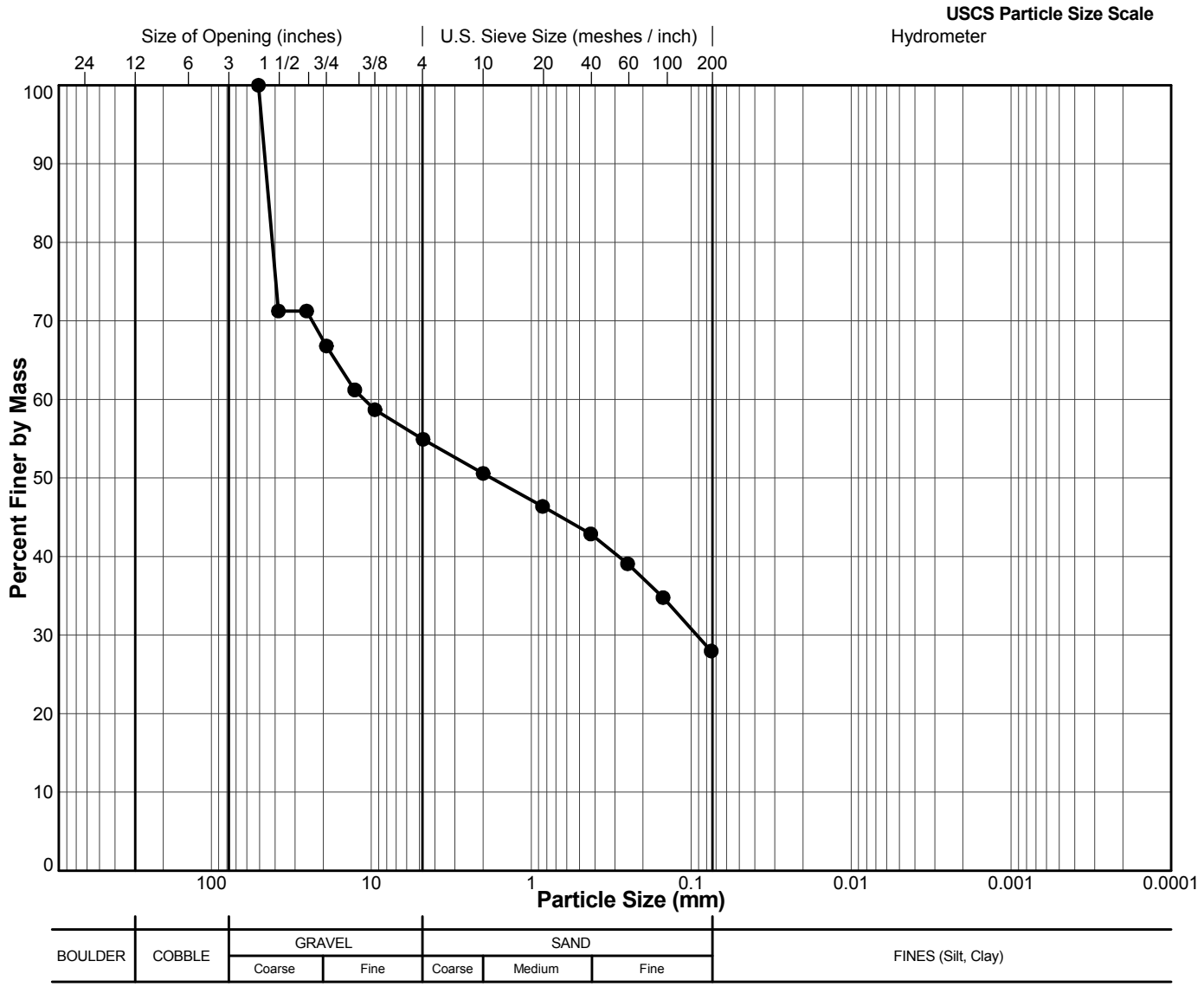
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-06**	
Project:	2012 Drilling Program	**Sample No.: 6**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 11.91 to 12.33	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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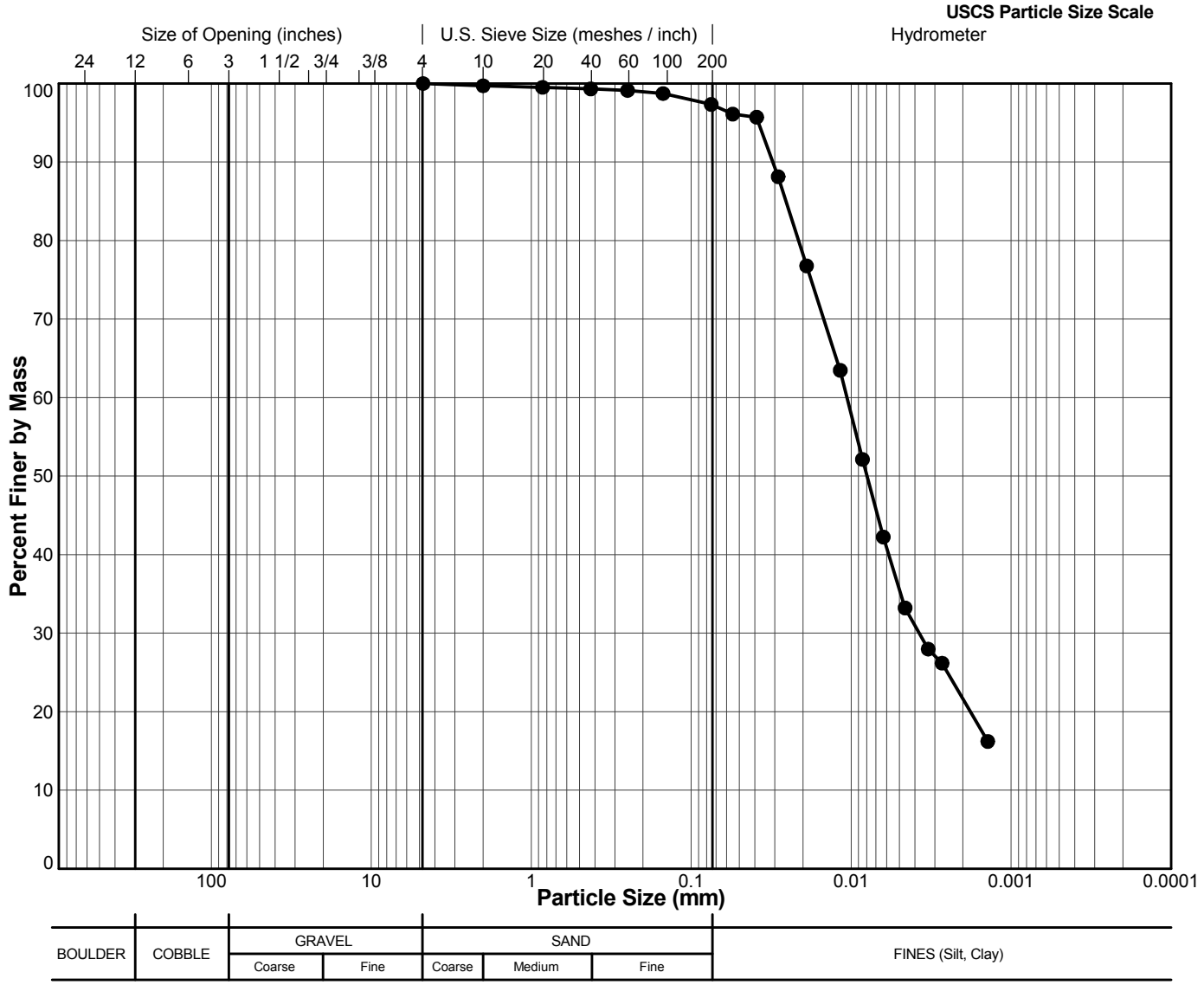
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-07**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.50 to 4.01
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 4.75	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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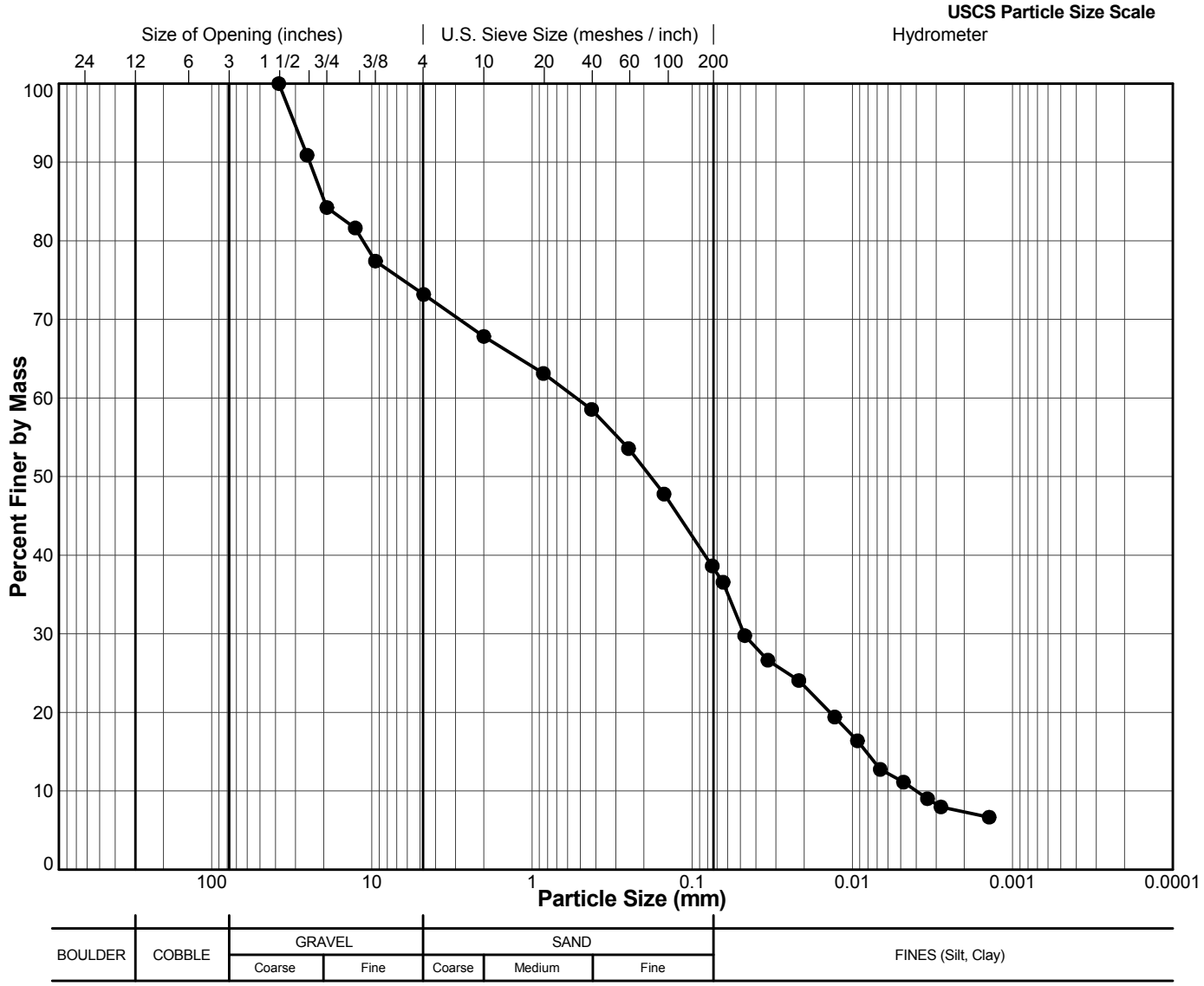
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-07**
Project: 2012 Drilling Program	**Sample No.: 7**
Location: Meliadine Gold Project	**Depth Interval (m):** 8.30 to 8.60
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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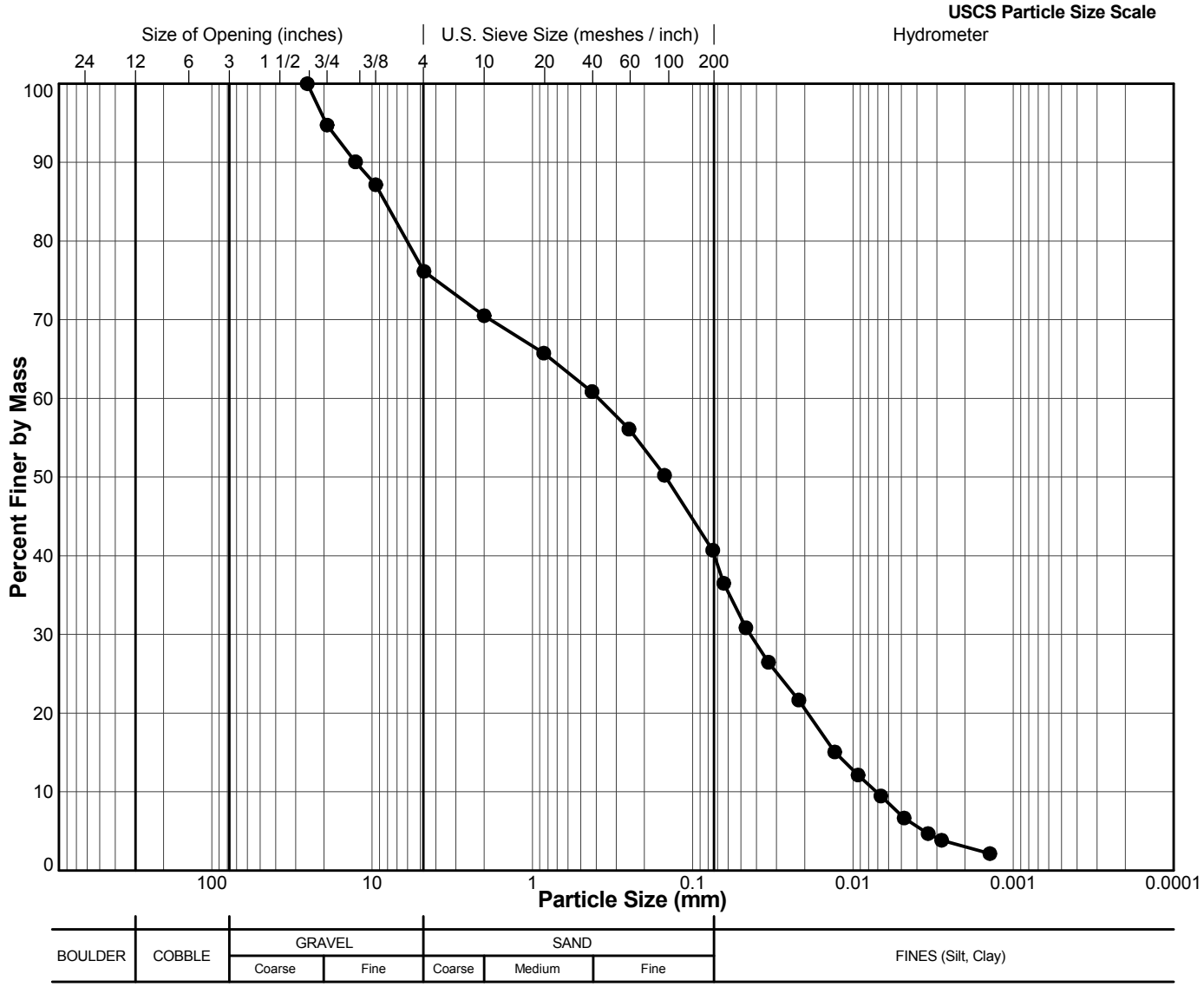
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-07**
Project: 2012 Drilling Program	**Sample No.: 8**
Location: Meliadine Gold Project	**Depth Interval (m):** 10.50 to 10.90
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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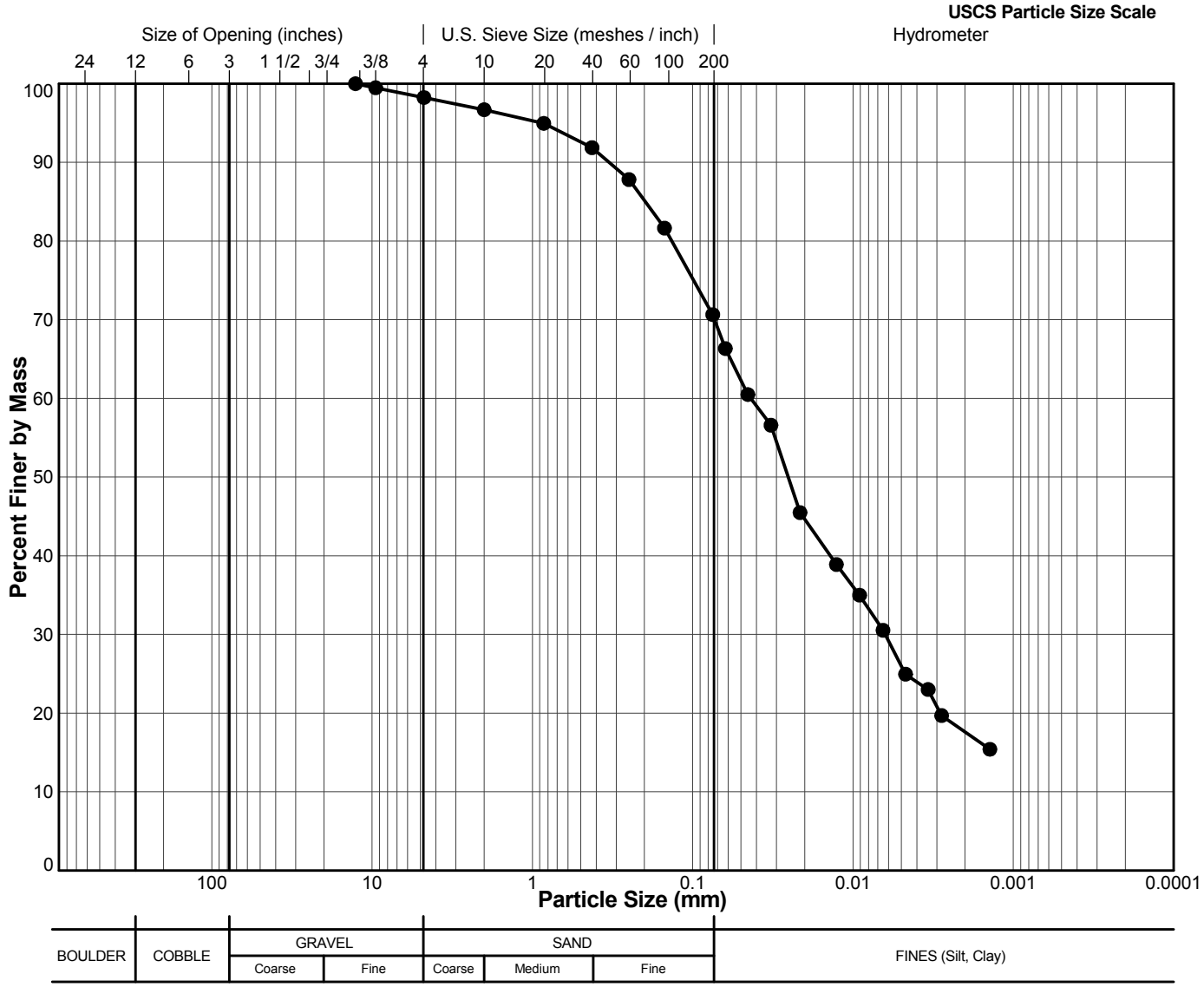
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-07**
Project: 2012 Drilling Program	**Sample No.: 10**
Location: Meliadine Gold Project	**Depth Interval (m):** 13.38 to 13.86
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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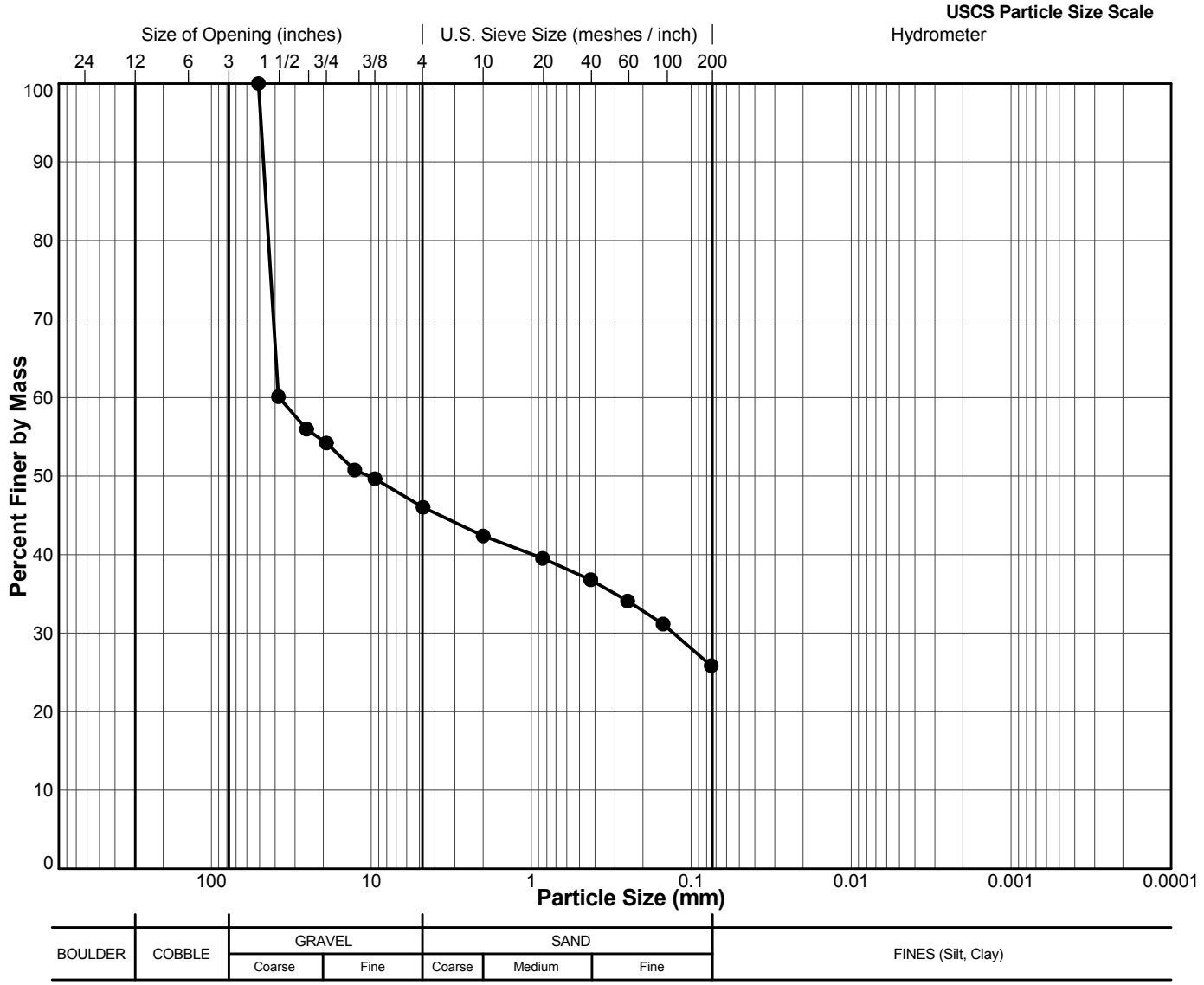
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-08**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.59 to 3.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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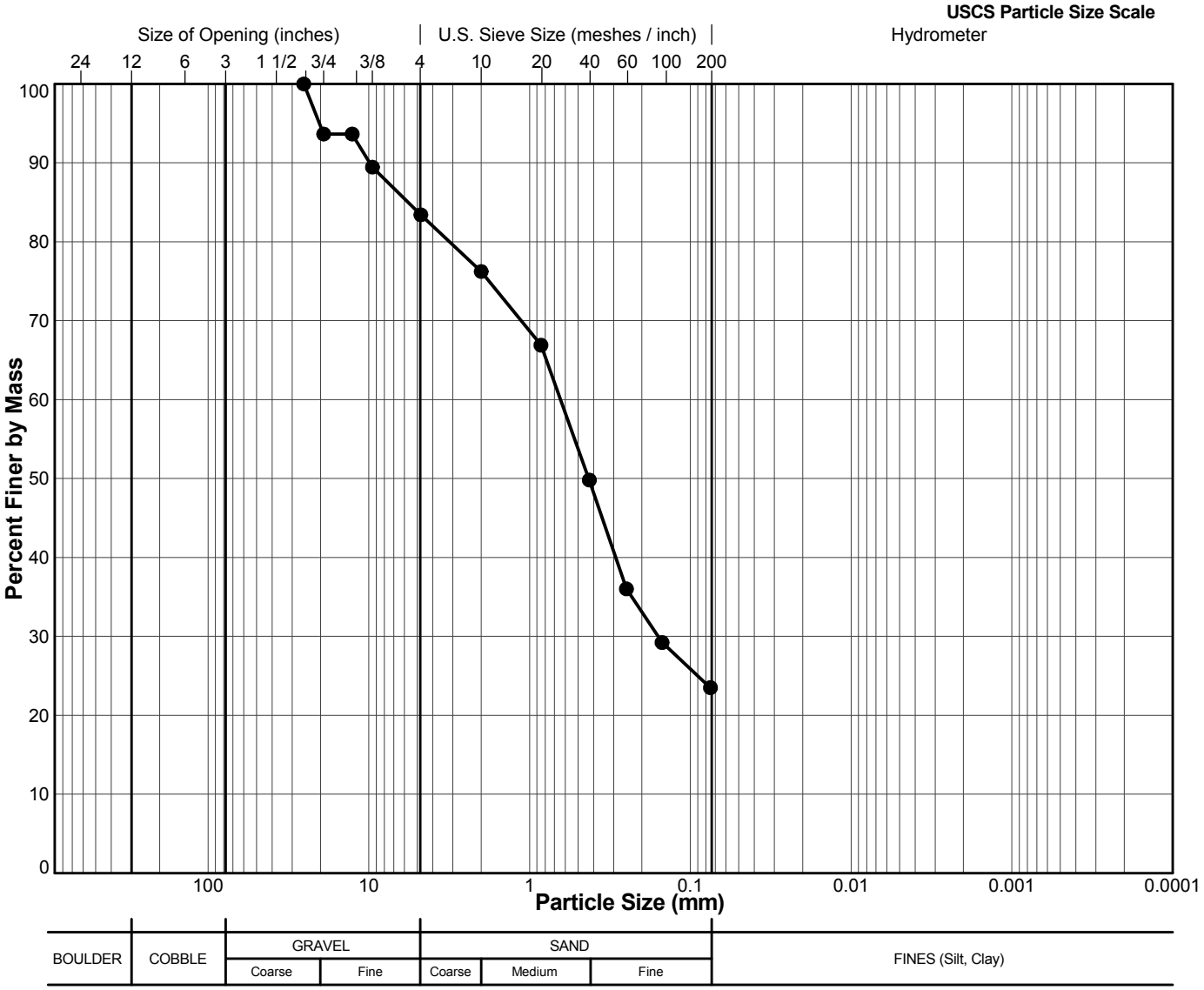
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-08**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 10.70 to 10.88
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



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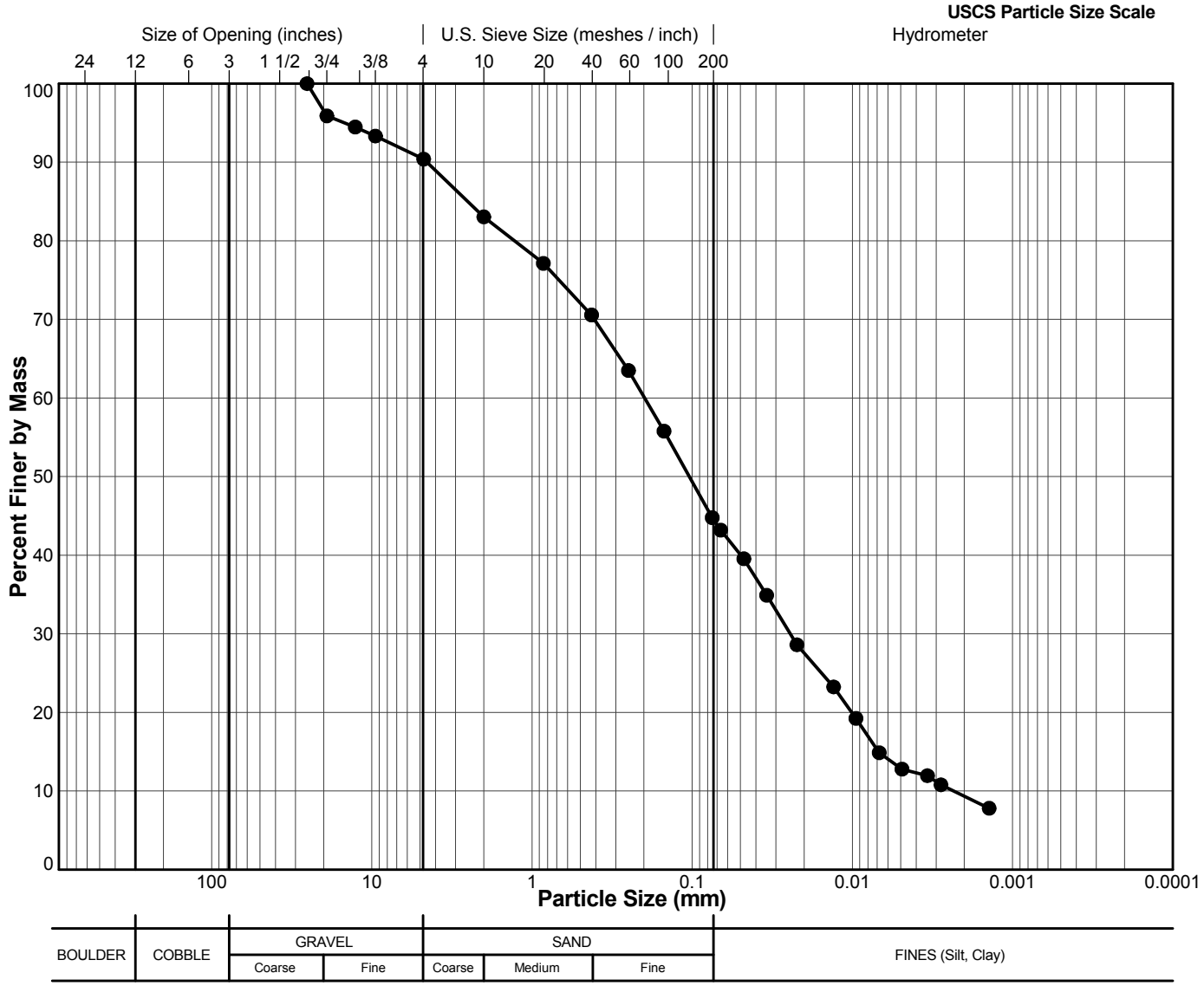
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-08**
Project: 2012 Drilling Program	**Sample No.: 7**
Location: Meliadine Gold Project	**Depth Interval (m):** 12.30 to 12.78
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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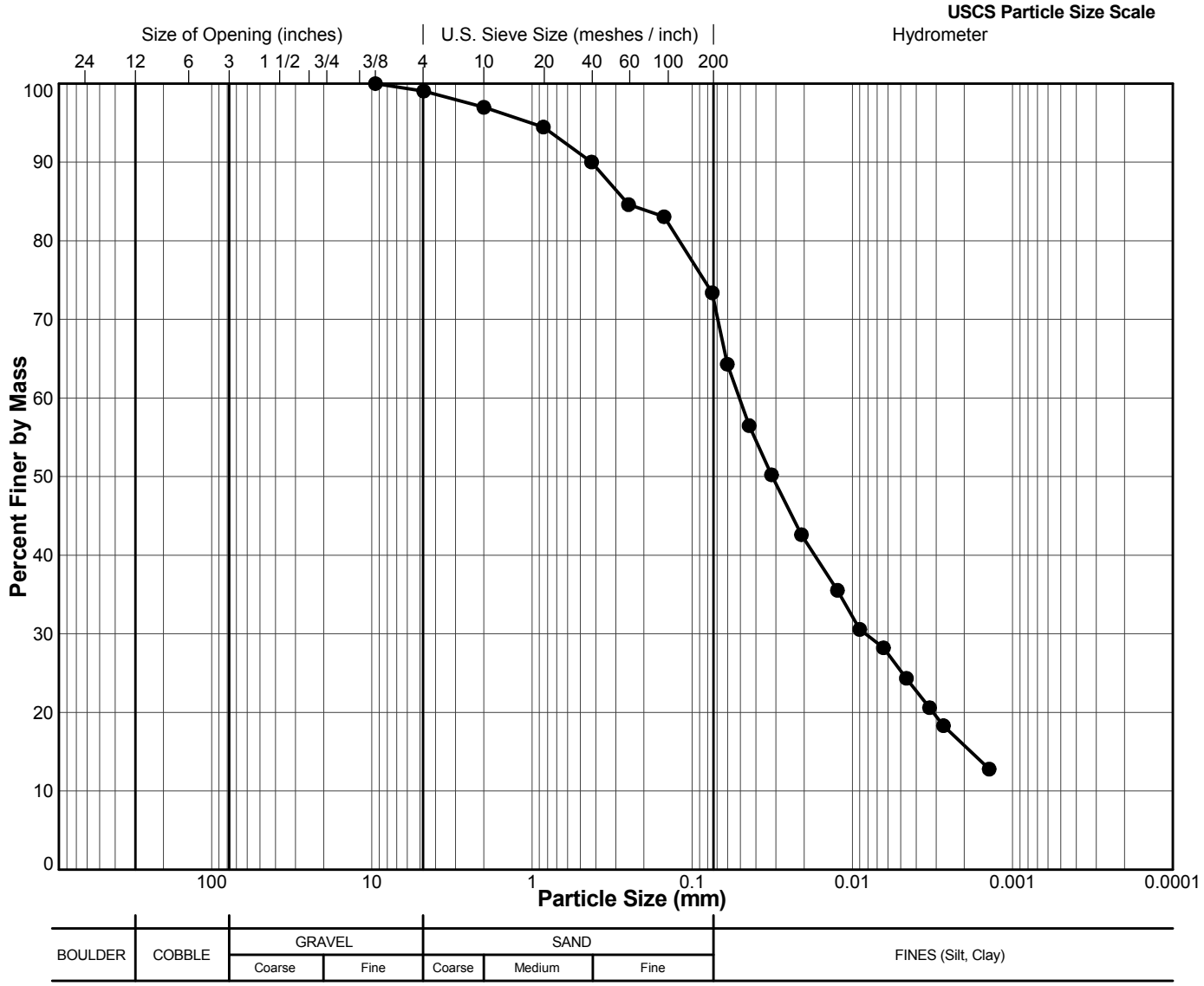
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.75 to 1.31
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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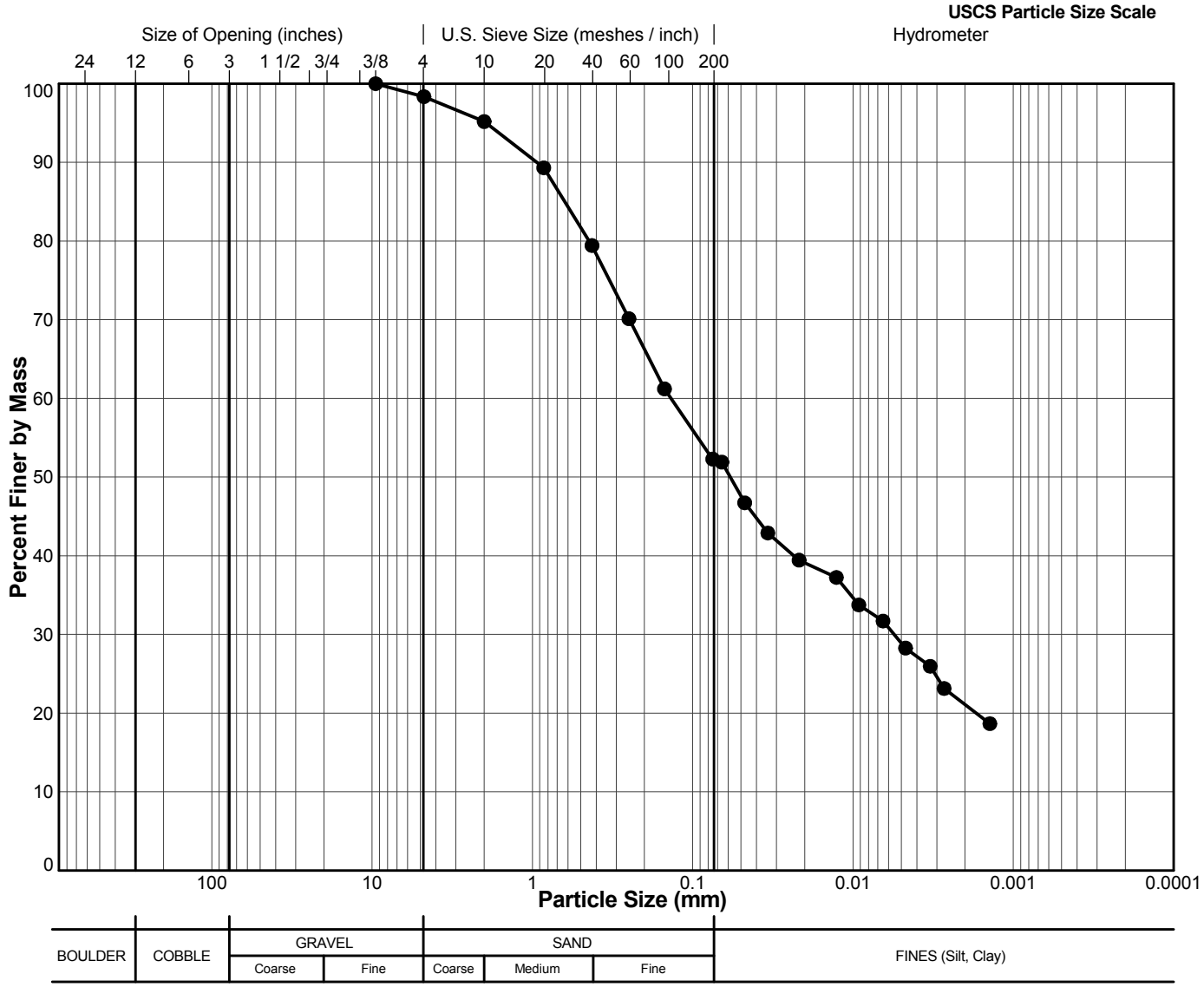
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 7.00 to 7.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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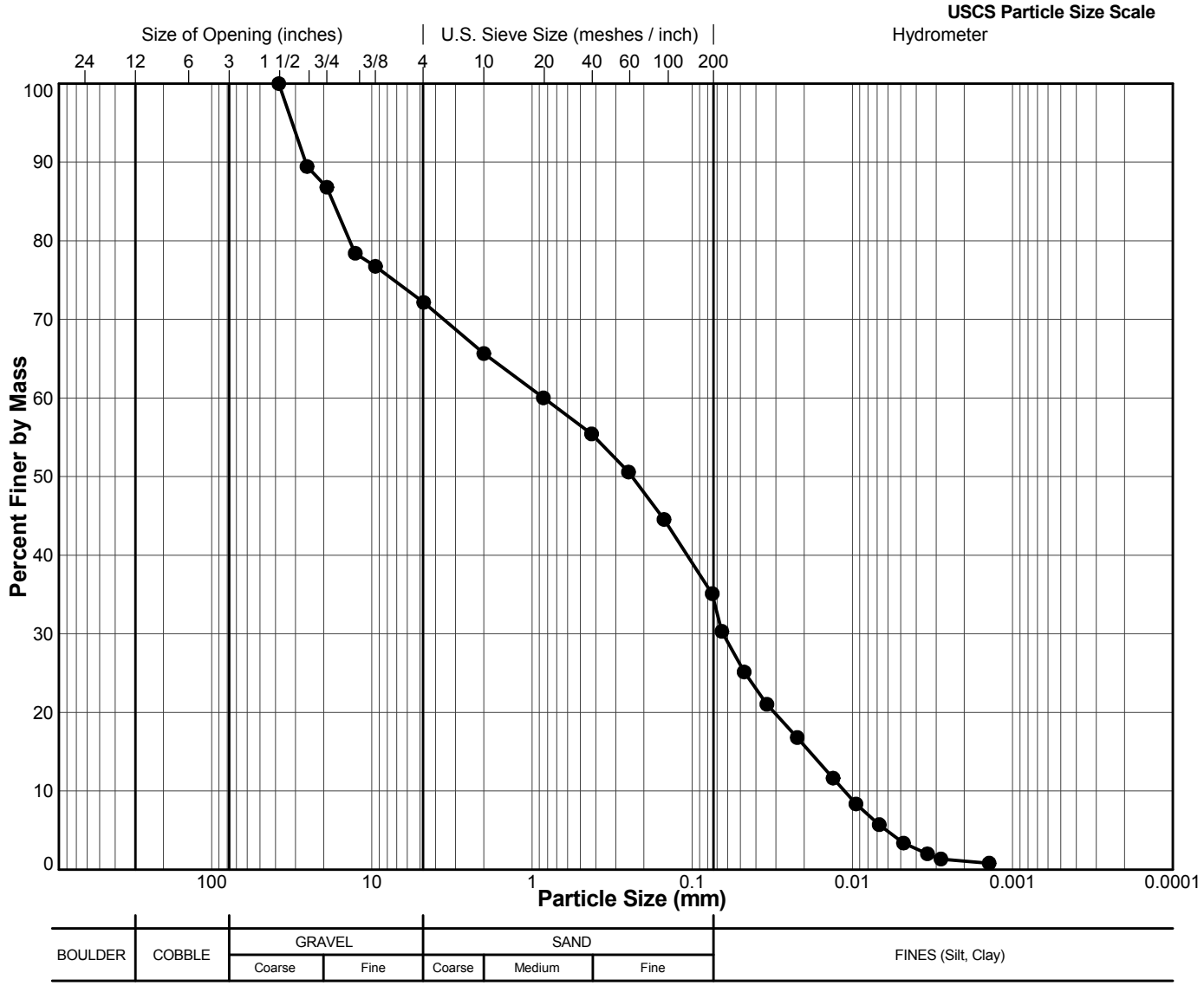
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project: 2012 Drilling Program	**Sample No.: 7**
Location: Meliadine Gold Project	**Depth Interval (m):** 10.65 to 11.20
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



EB	8/7/2012	LP	8/17/2012
Tech	Date	Checked	Date

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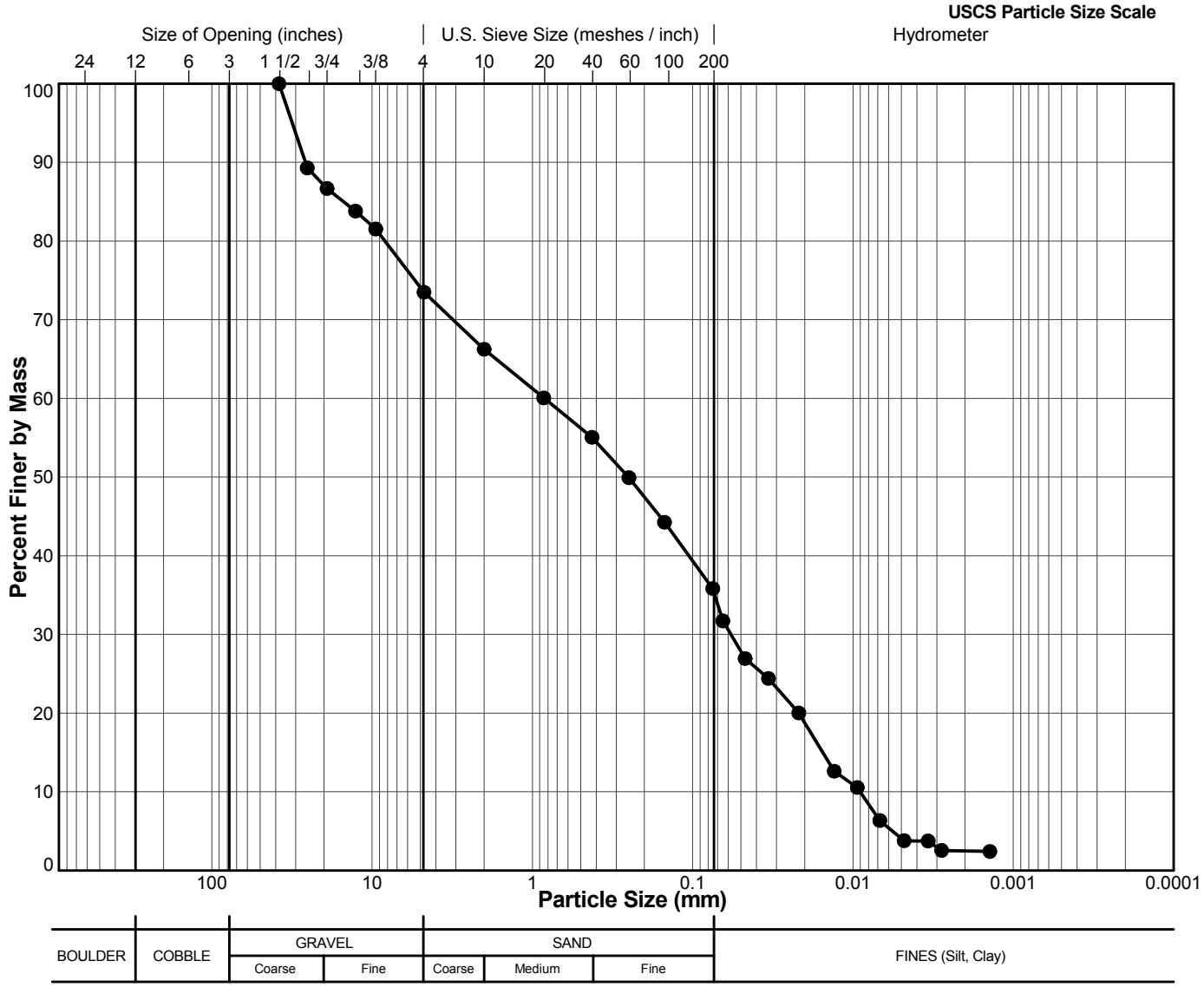
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-09**
Project: 2012 Drilling Program	**Sample No.: 8**
Location: Meliadine Gold Project	**Depth Interval (m):** 13.93 to 14.37
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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Tech	Date	Checked	Date

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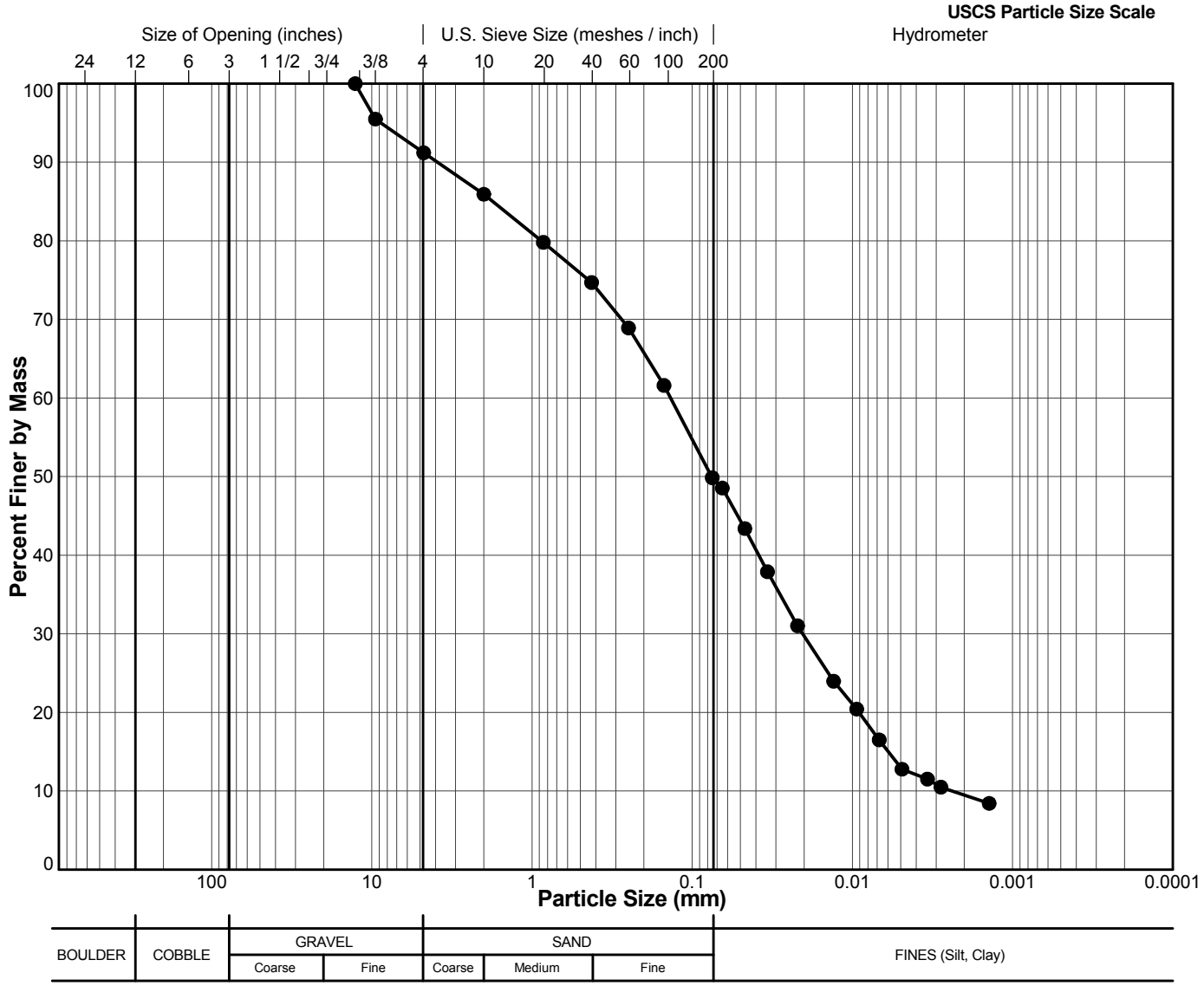
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-10**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.99 to 1.67
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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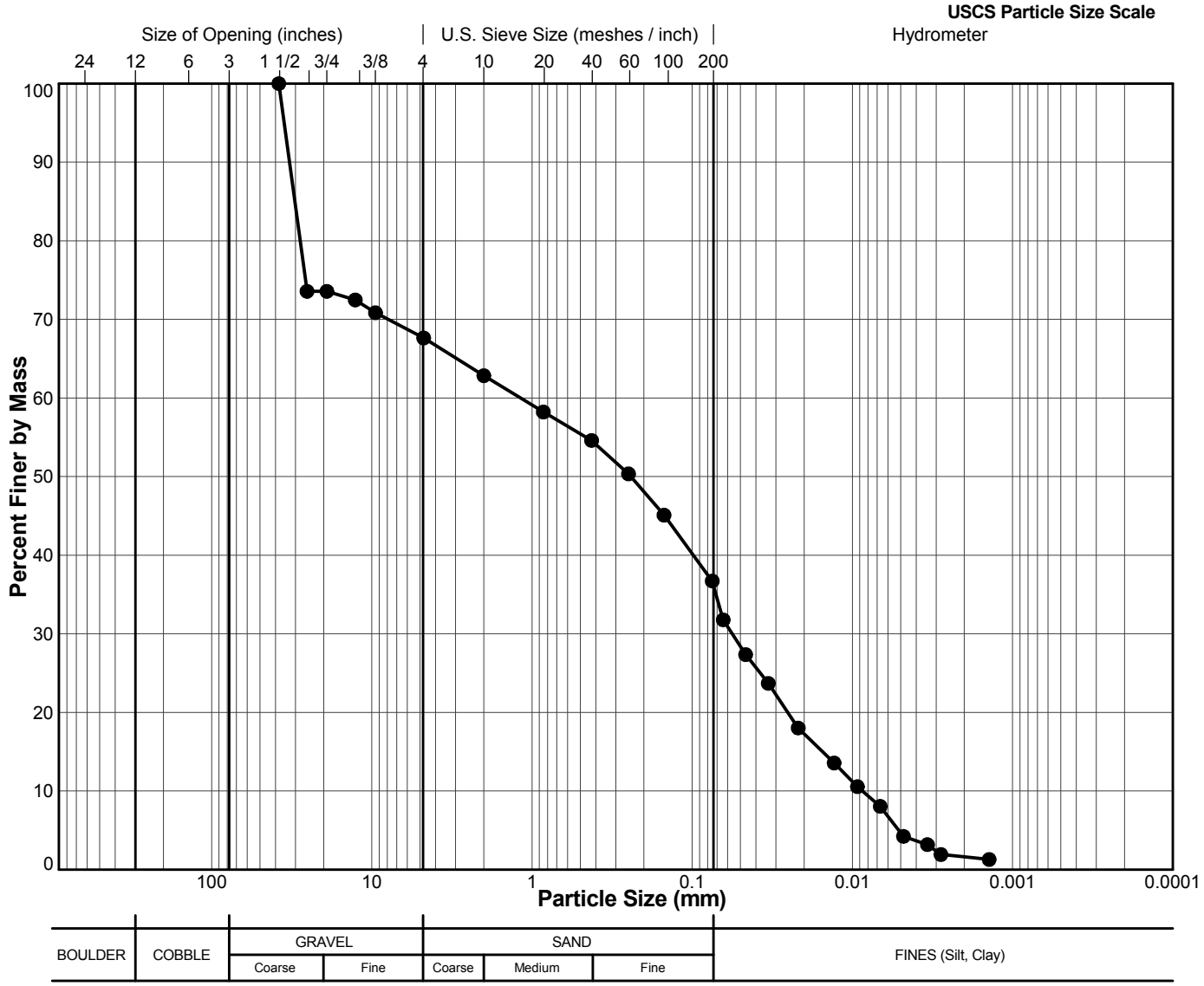
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-10**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.34 to 4.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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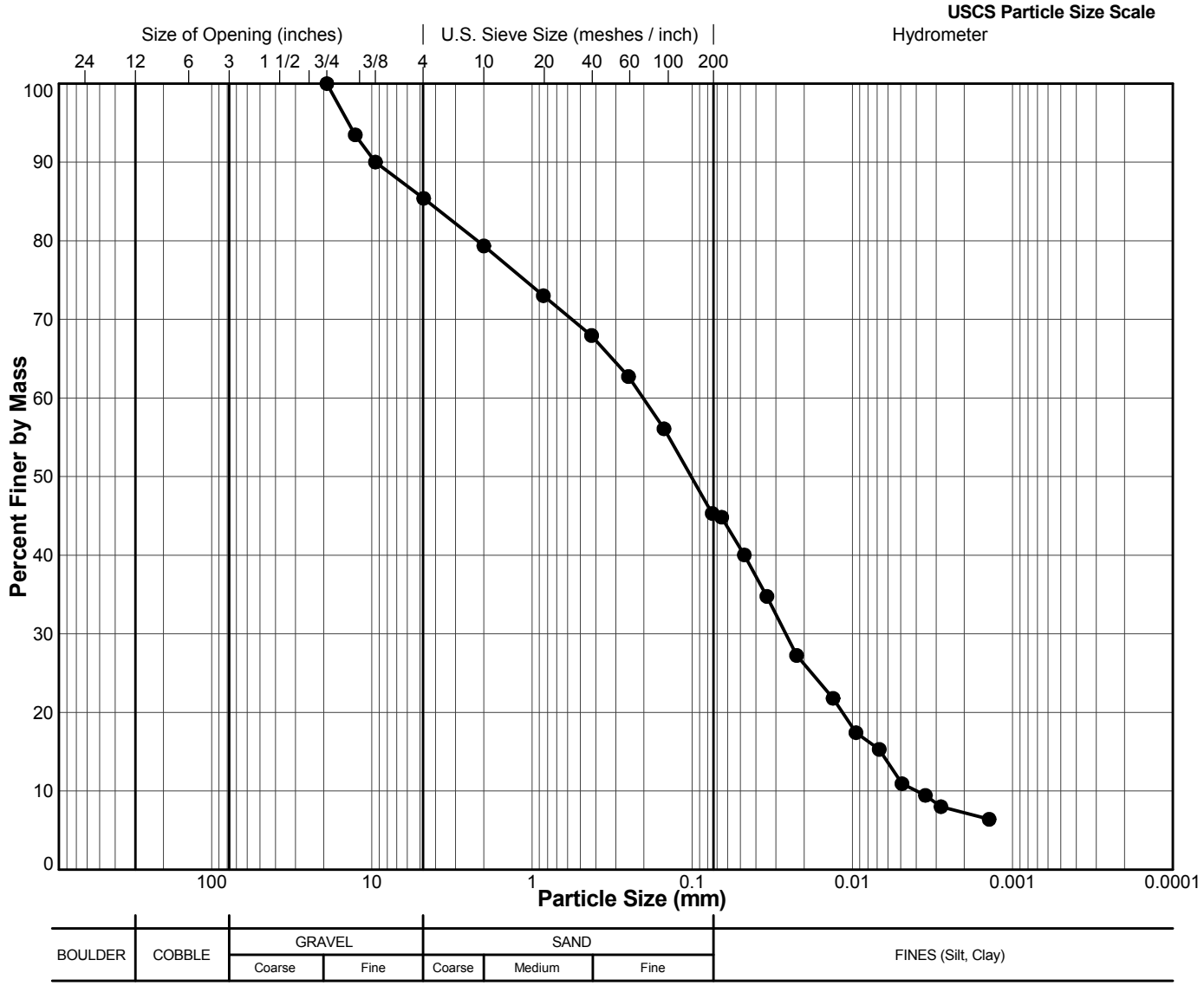
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-10**
Project: 2012 Drilling Program	**Sample No.: 8**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.80 to 6.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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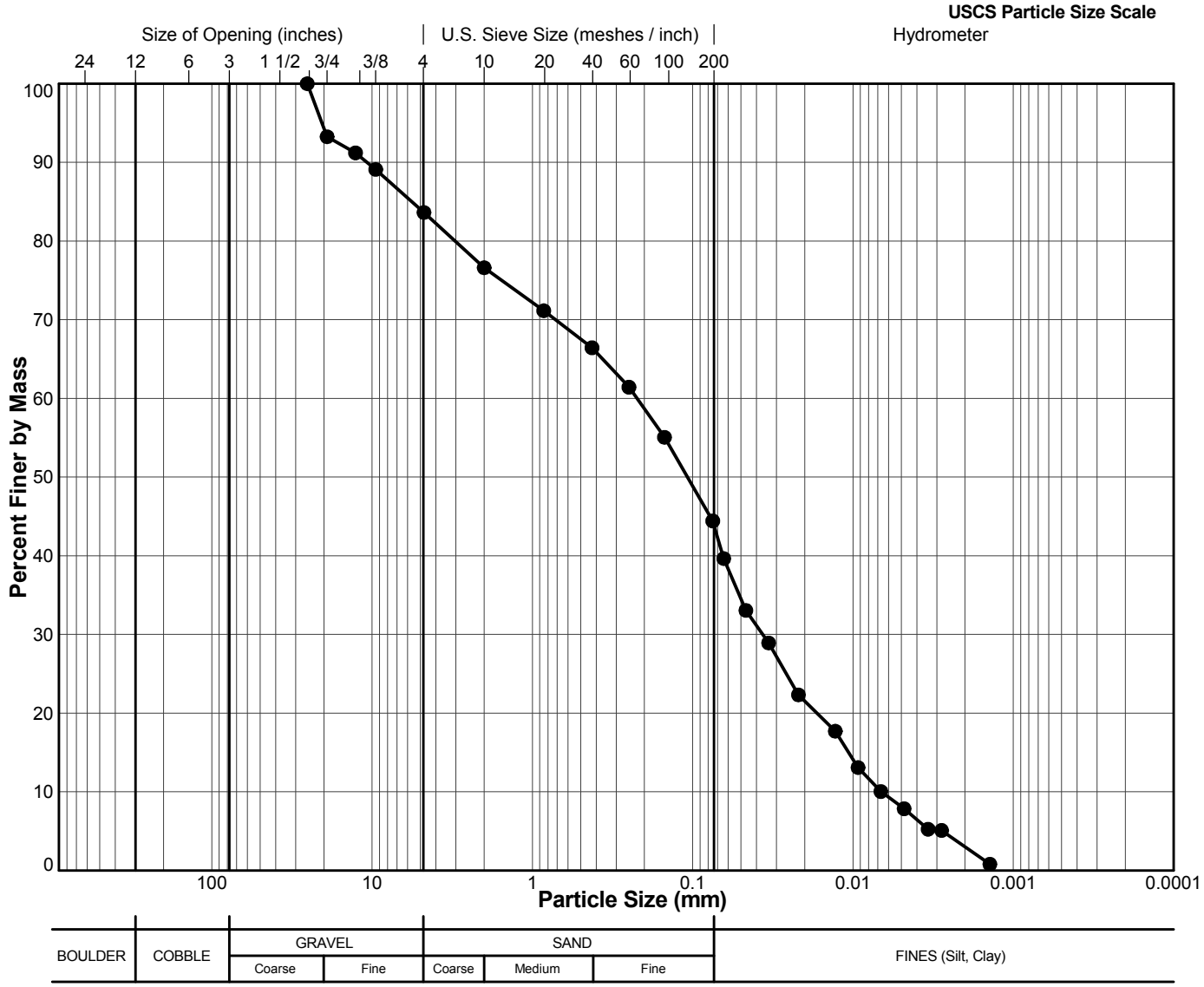
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-10**
Project: 2012 Drilling Program	**Sample No.: 11**
Location: Meliadine Gold Project	**Depth Interval (m):** 9.00 to 11.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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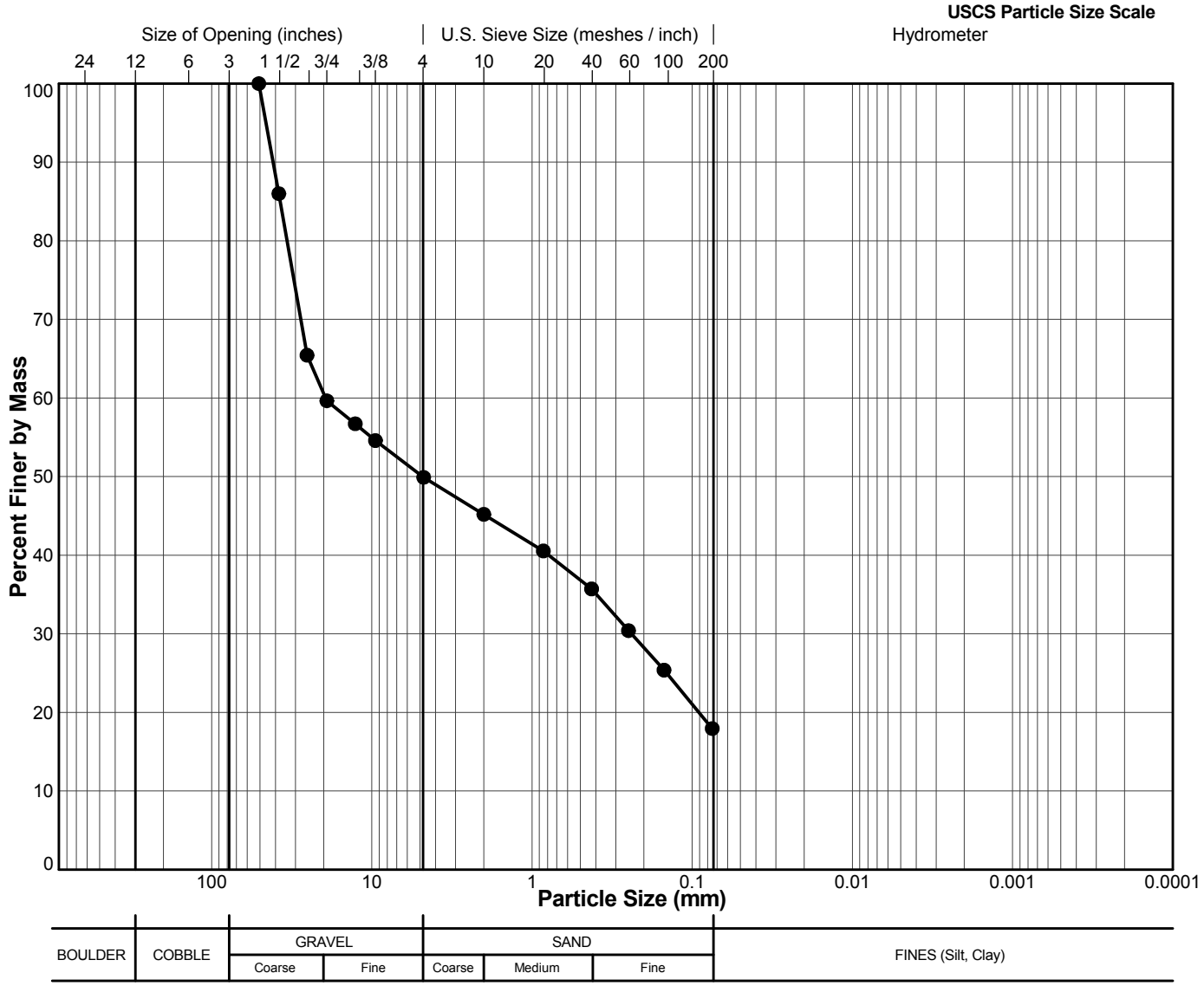
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-11**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.78 to 1.32
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

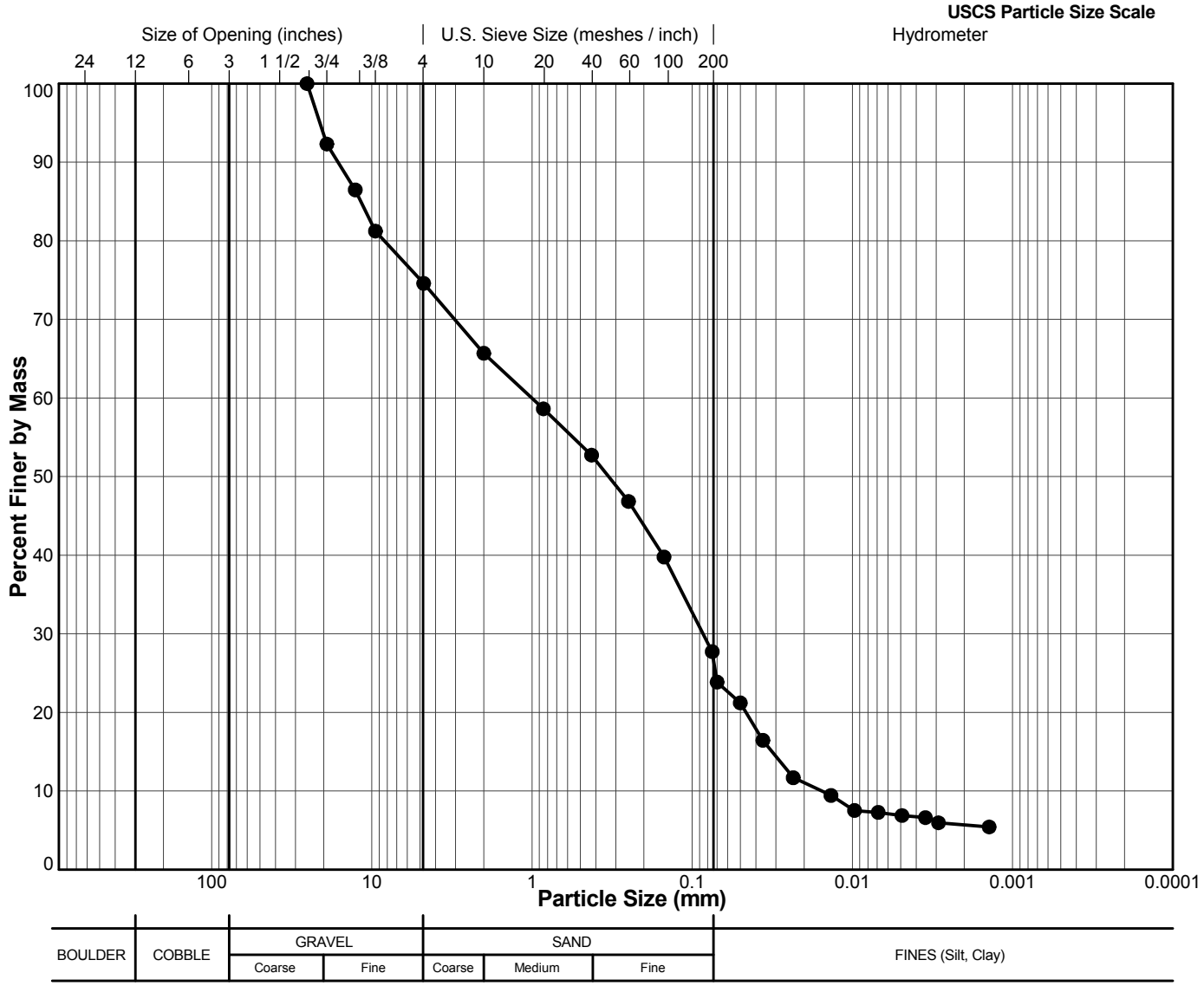
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-11**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.14 to 2.54
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



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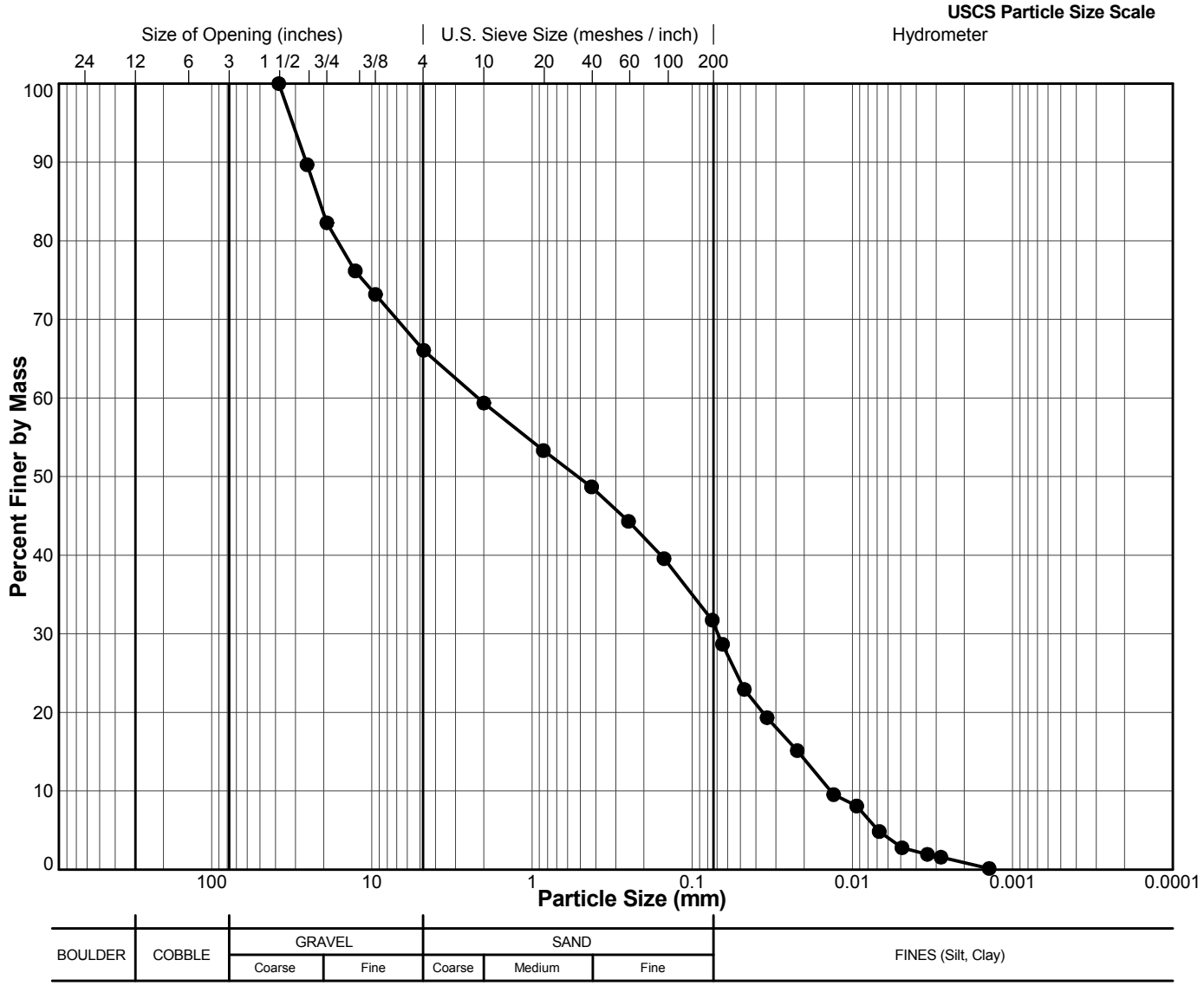
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-11**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.10 to 4.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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PARTICLE SIZE ANALYSIS OF SOILS

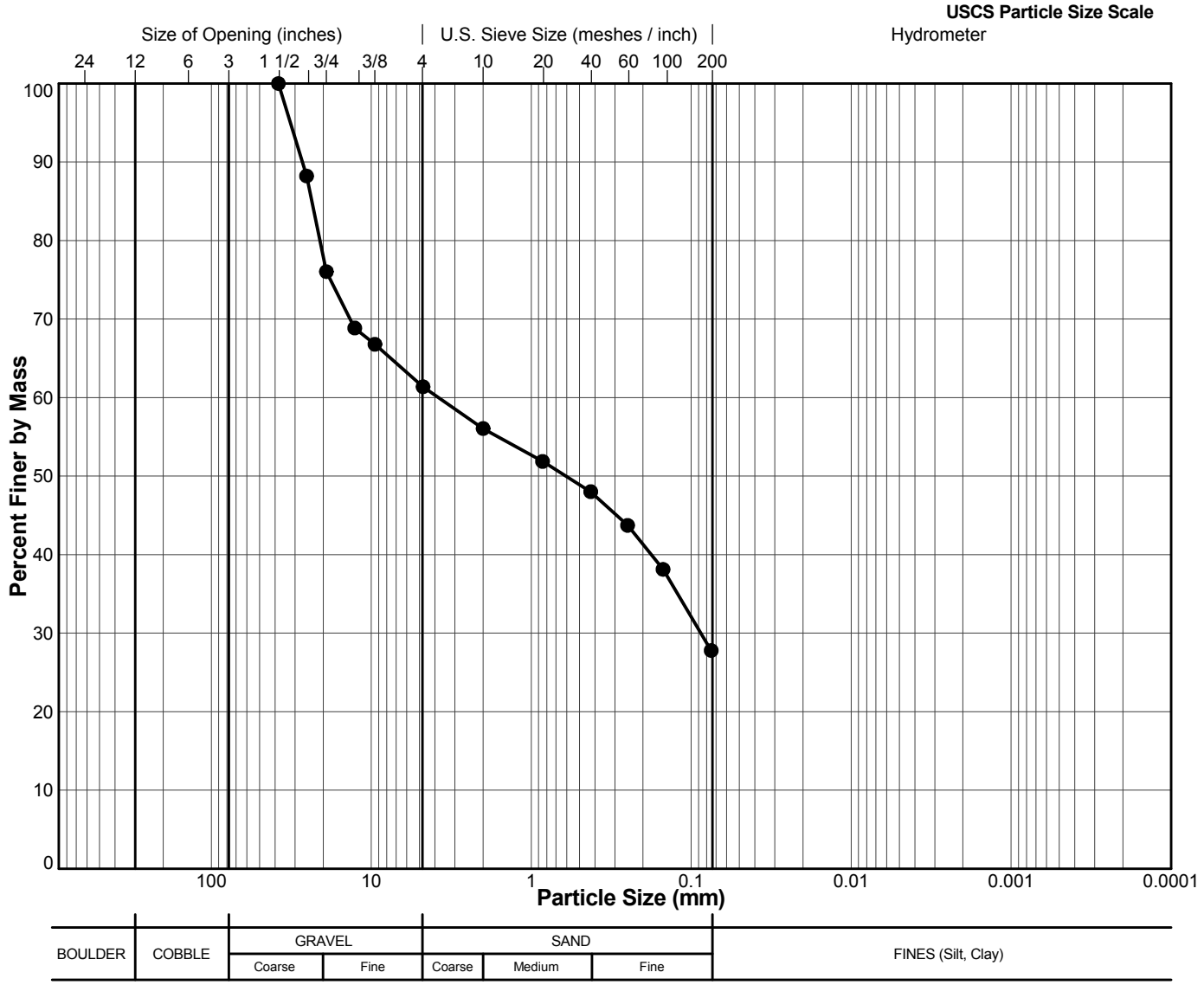
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-11**
Project: 2012 Drilling Program	**Sample No.: 8**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.25 to 6.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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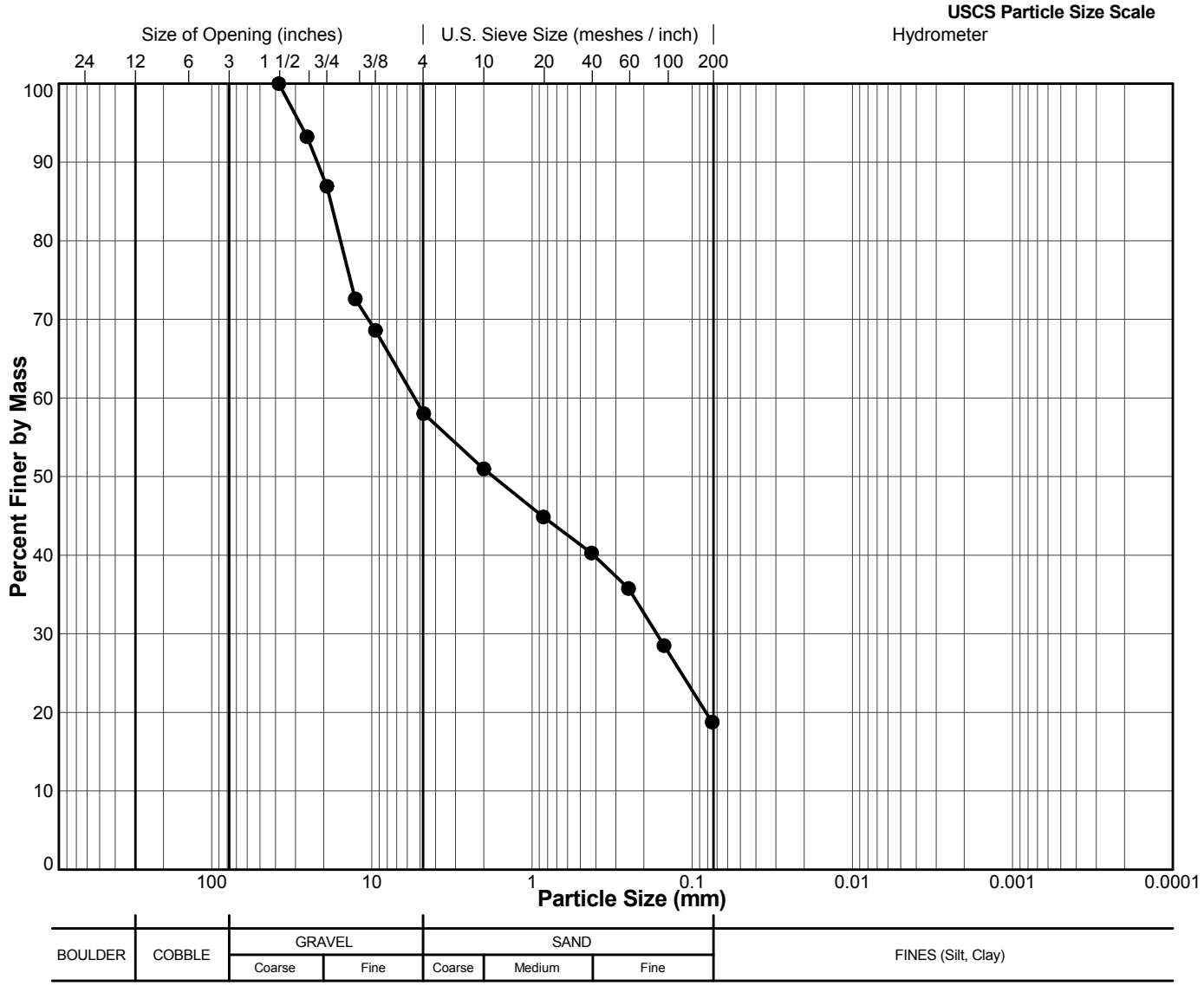
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-12**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.61 to 0.91
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



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Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

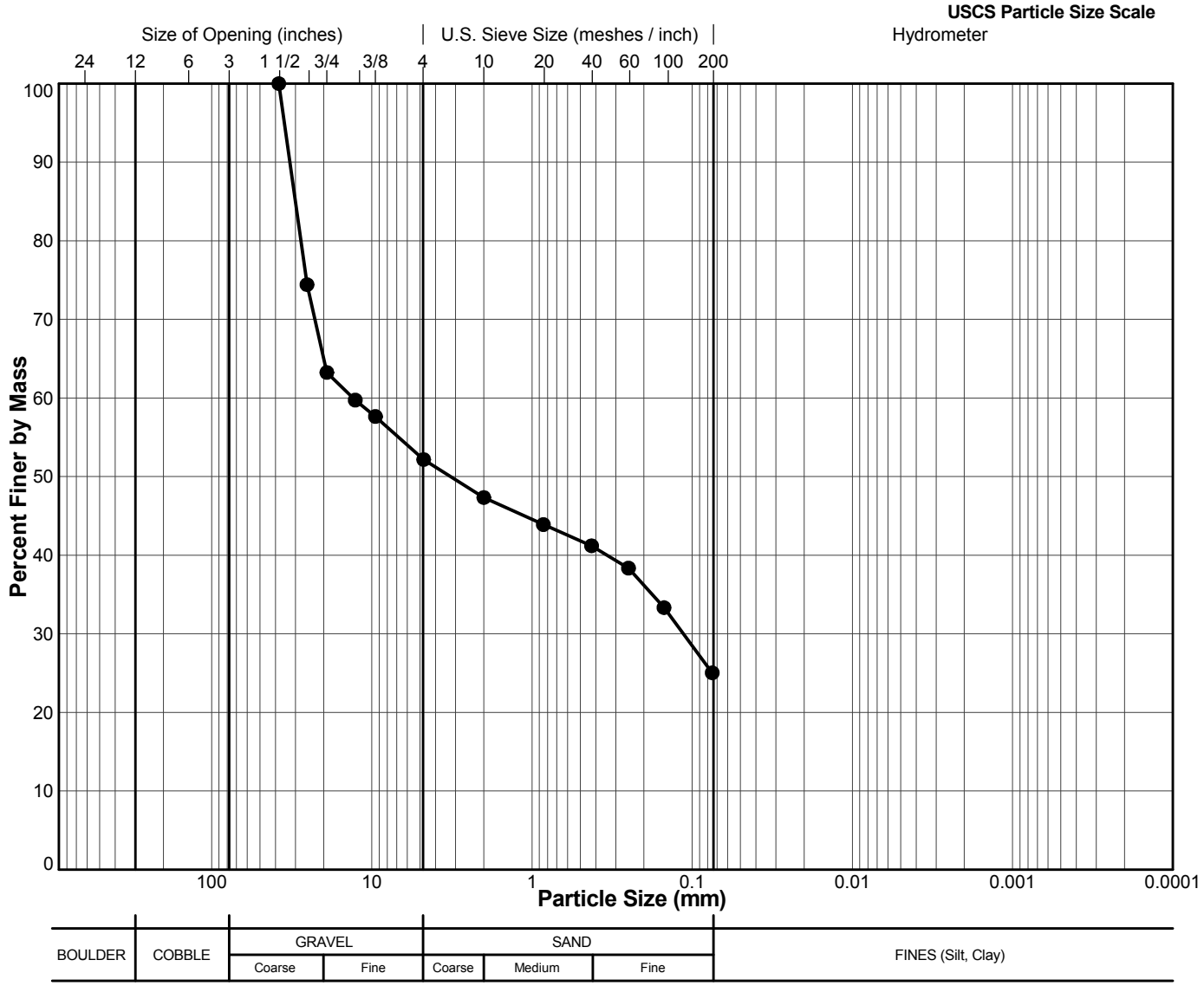
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-12**
Project: 2012 Drilling Program	**Sample No.: 2A**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.10 to 1.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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PARTICLE SIZE ANALYSIS OF SOILS

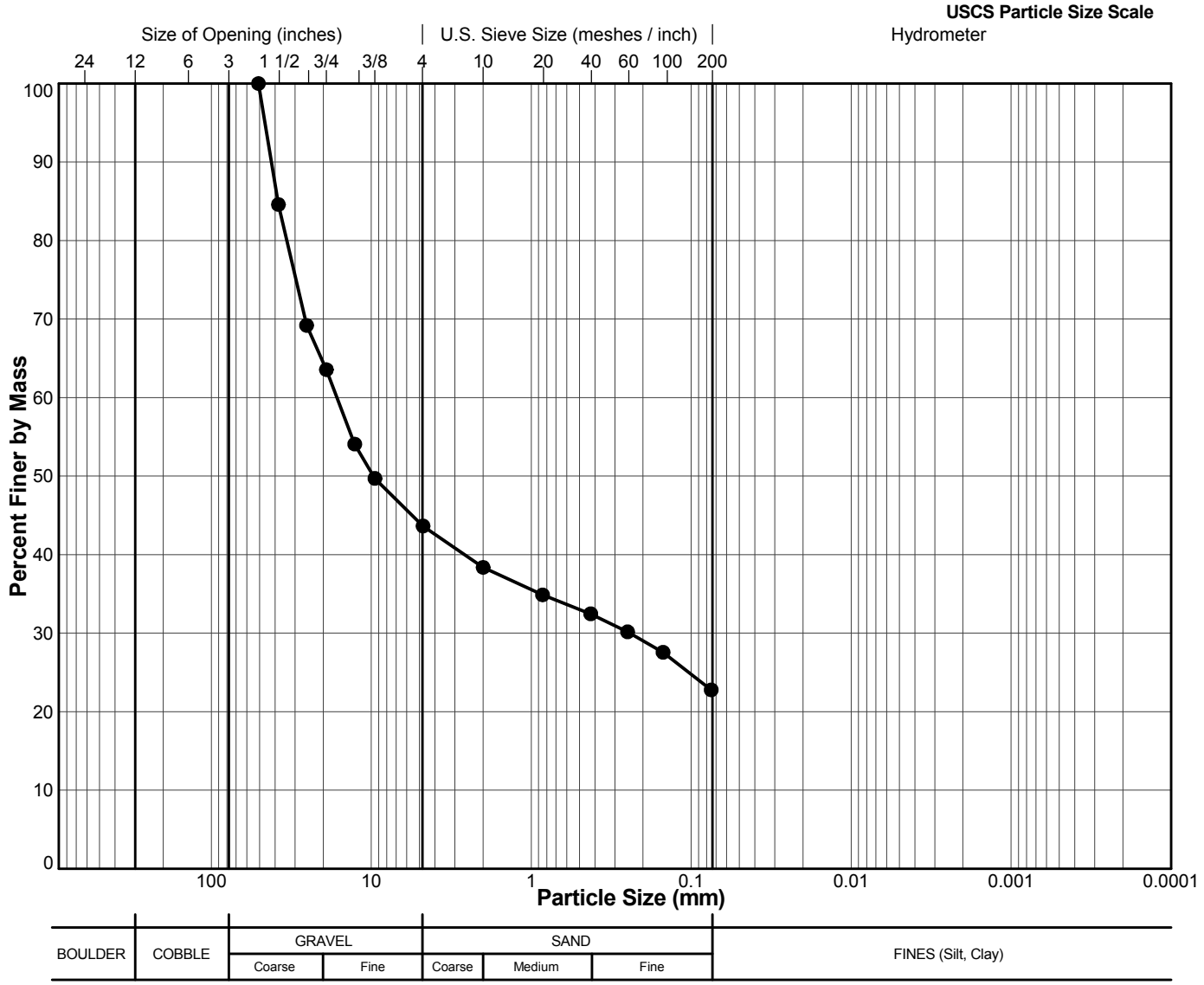
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-12**
Project: 2012 Drilling Program	**Sample No.: 2B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.50 to 2.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Split, Washed



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Tech	Date	Checked	Date

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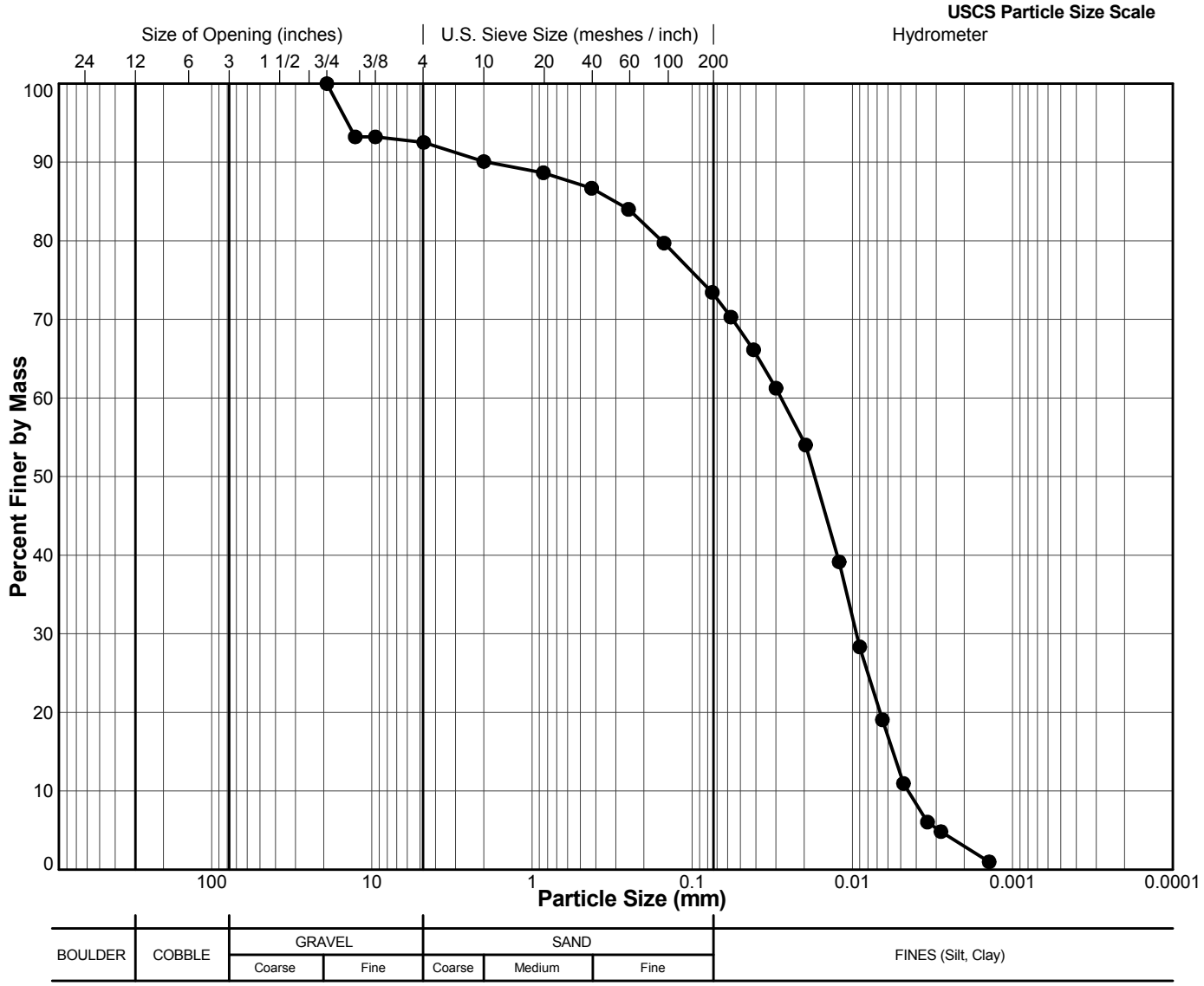
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-12**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.15 to 4.25
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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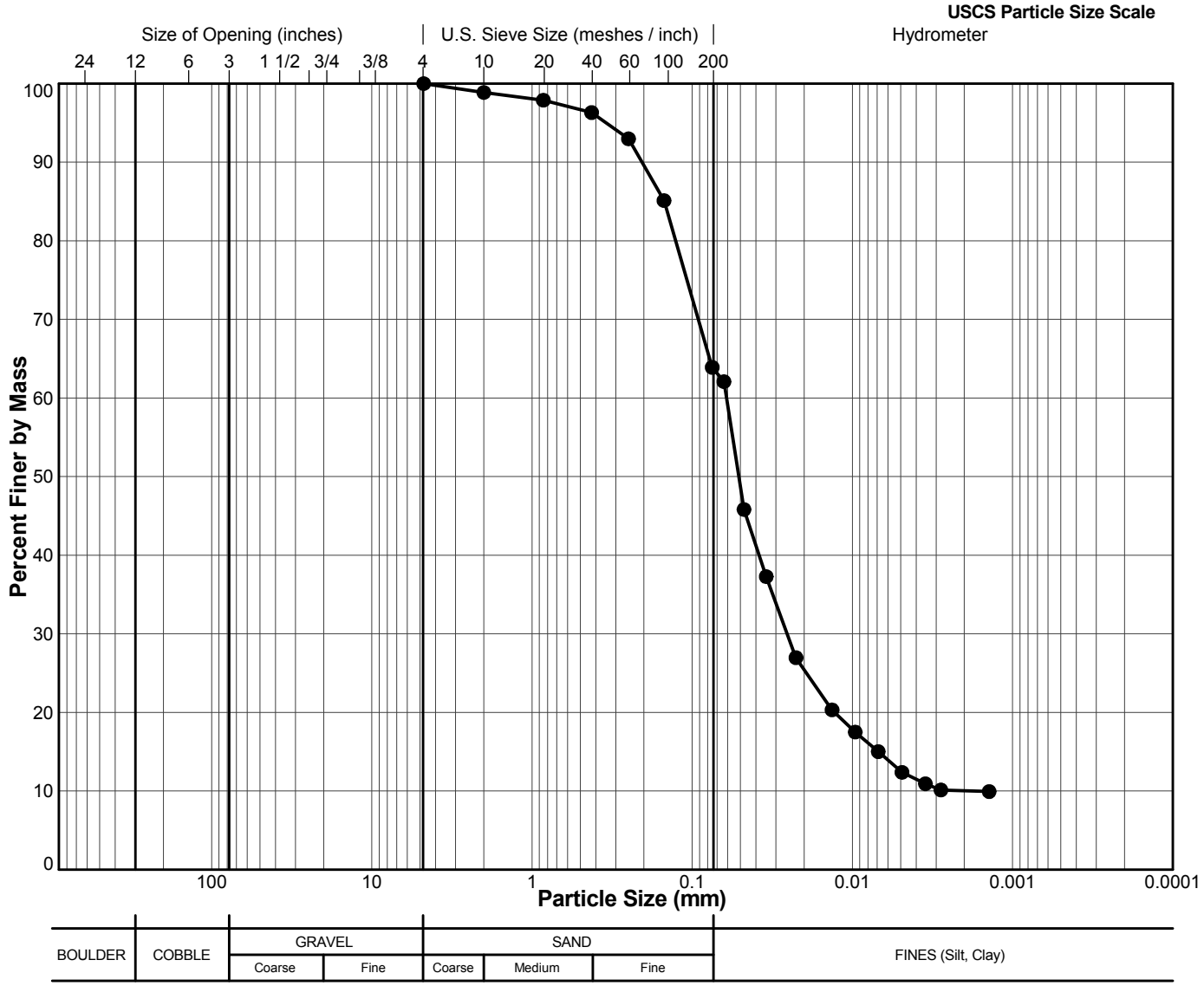
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.10 to 1.25
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 4.75	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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PARTICLE SIZE ANALYSIS OF SOILS

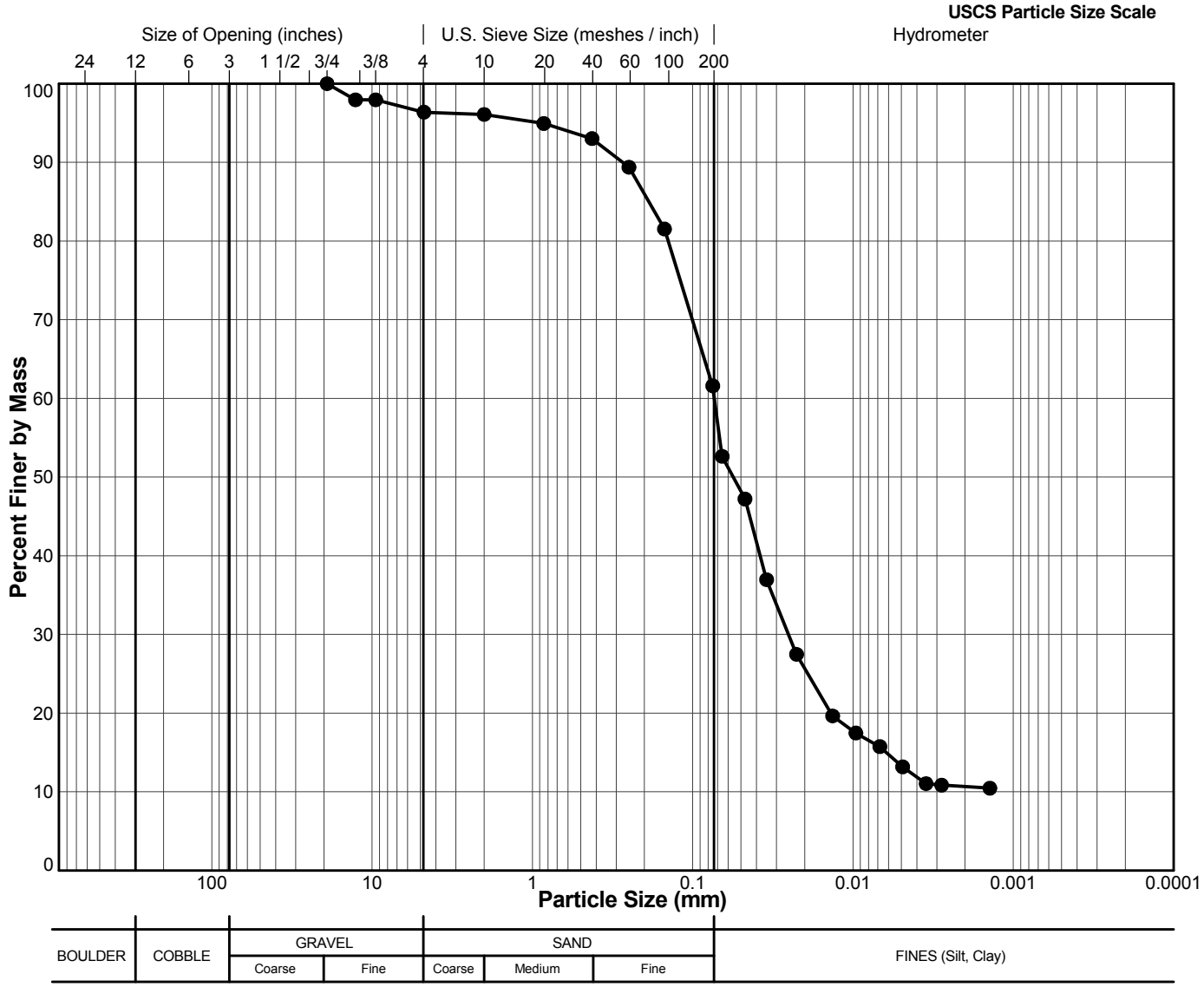
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 1B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.10 to 1.25
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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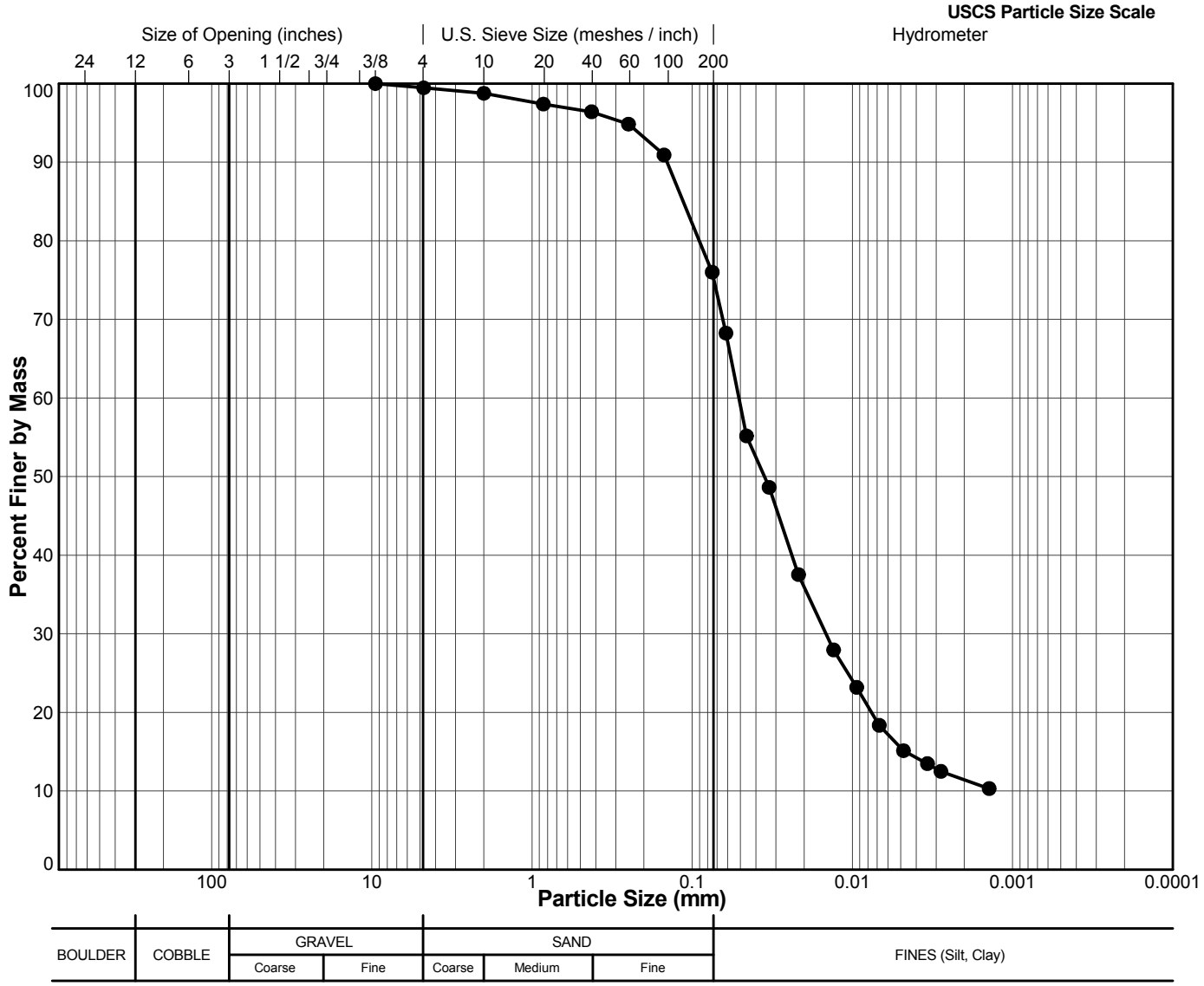
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.55 to 1.70
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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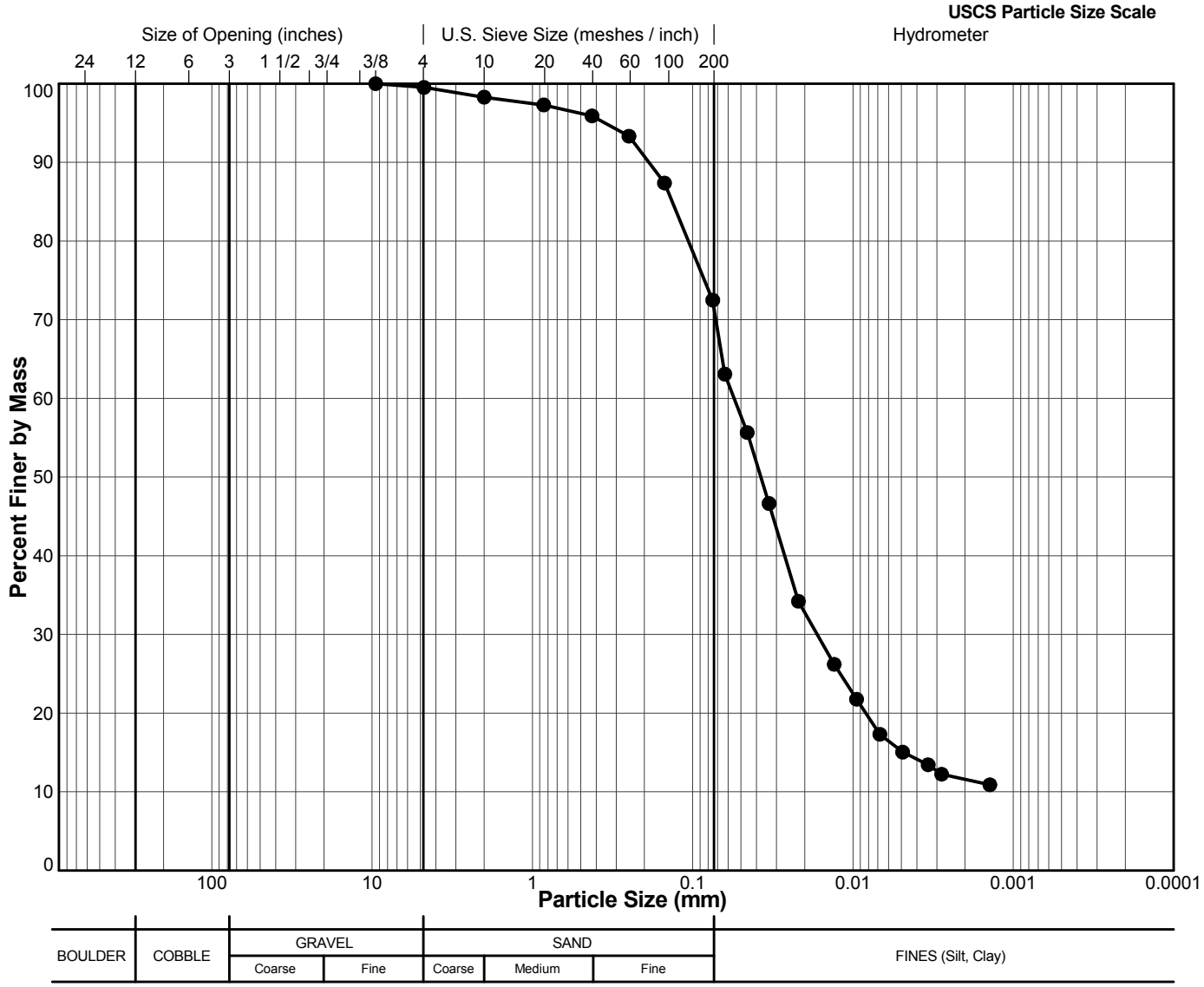
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 2B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.55 to 1.70
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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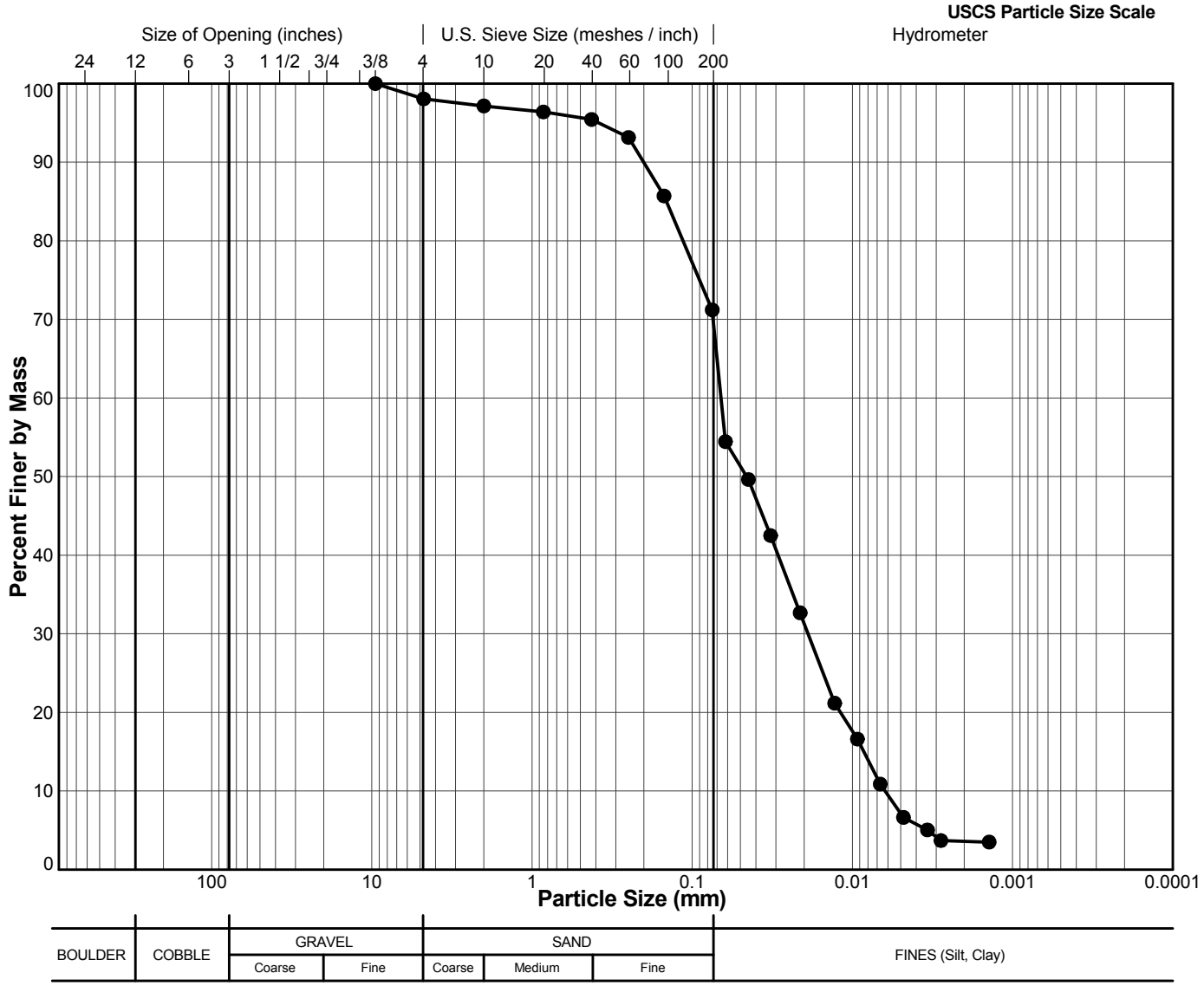
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.75 to 1.83
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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Tech	Date	Checked	Date

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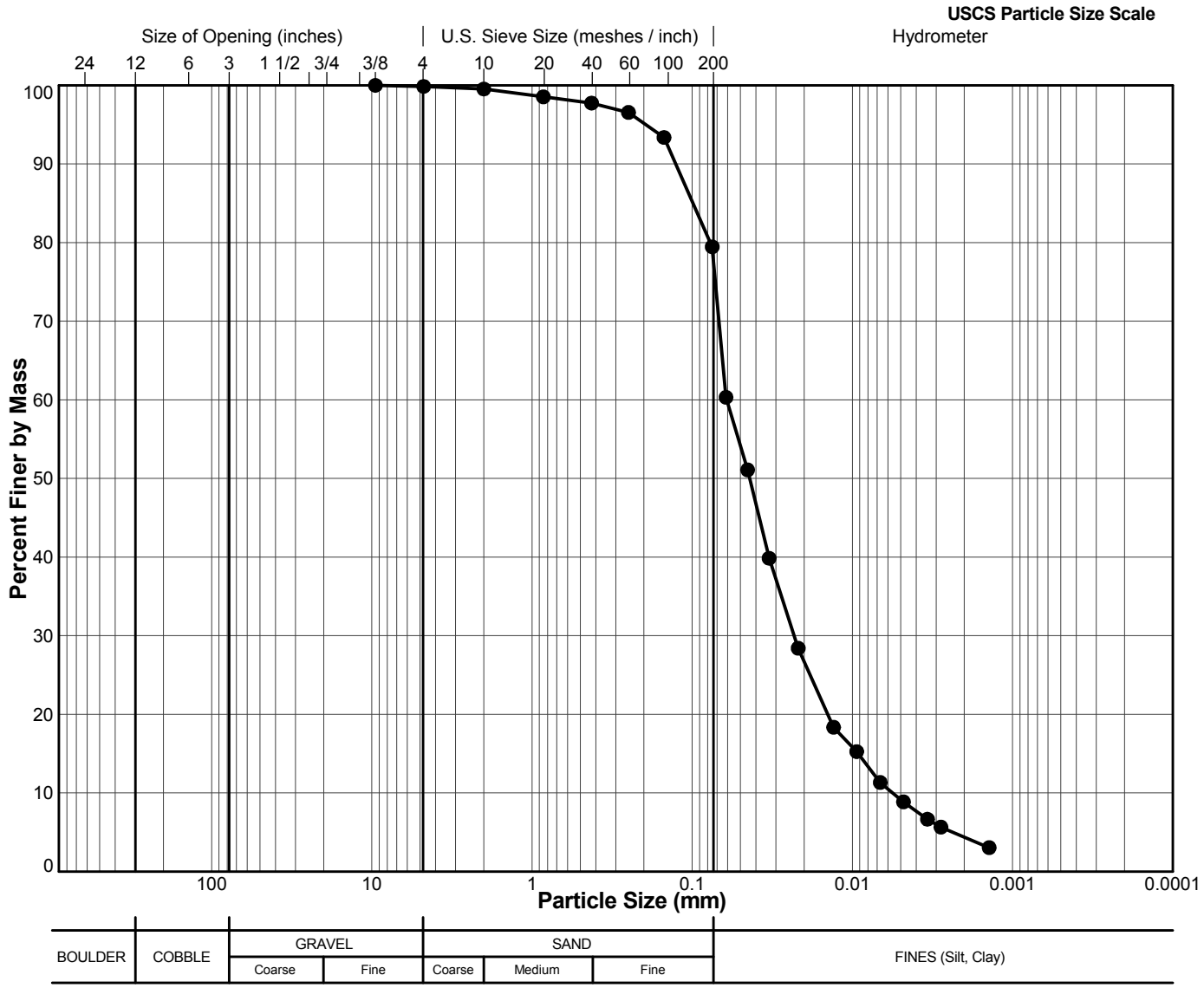
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 3B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.75 to 1.83
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/23/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

Reference(s)
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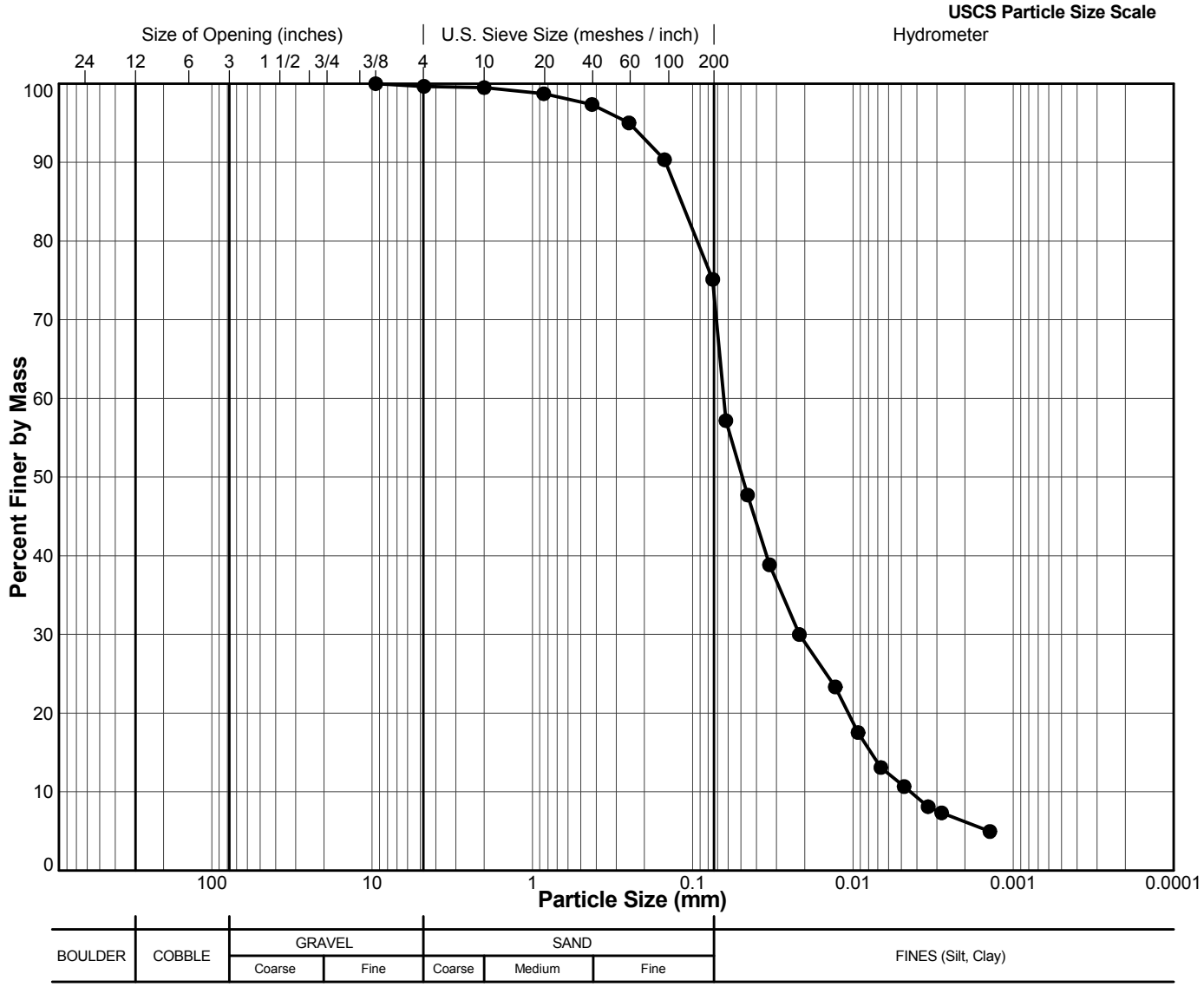
Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.73 to 2.93
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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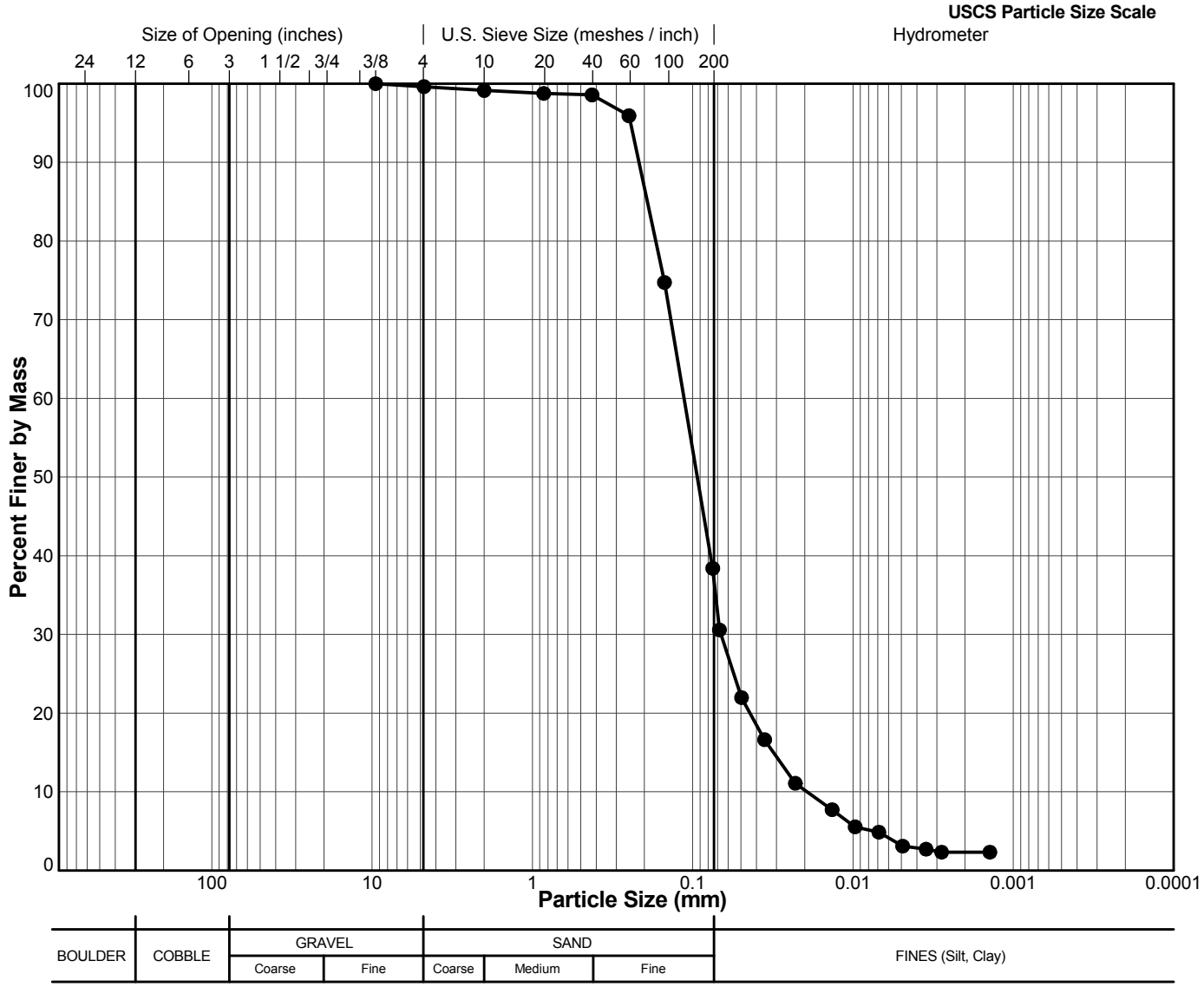
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.55 to 3.70
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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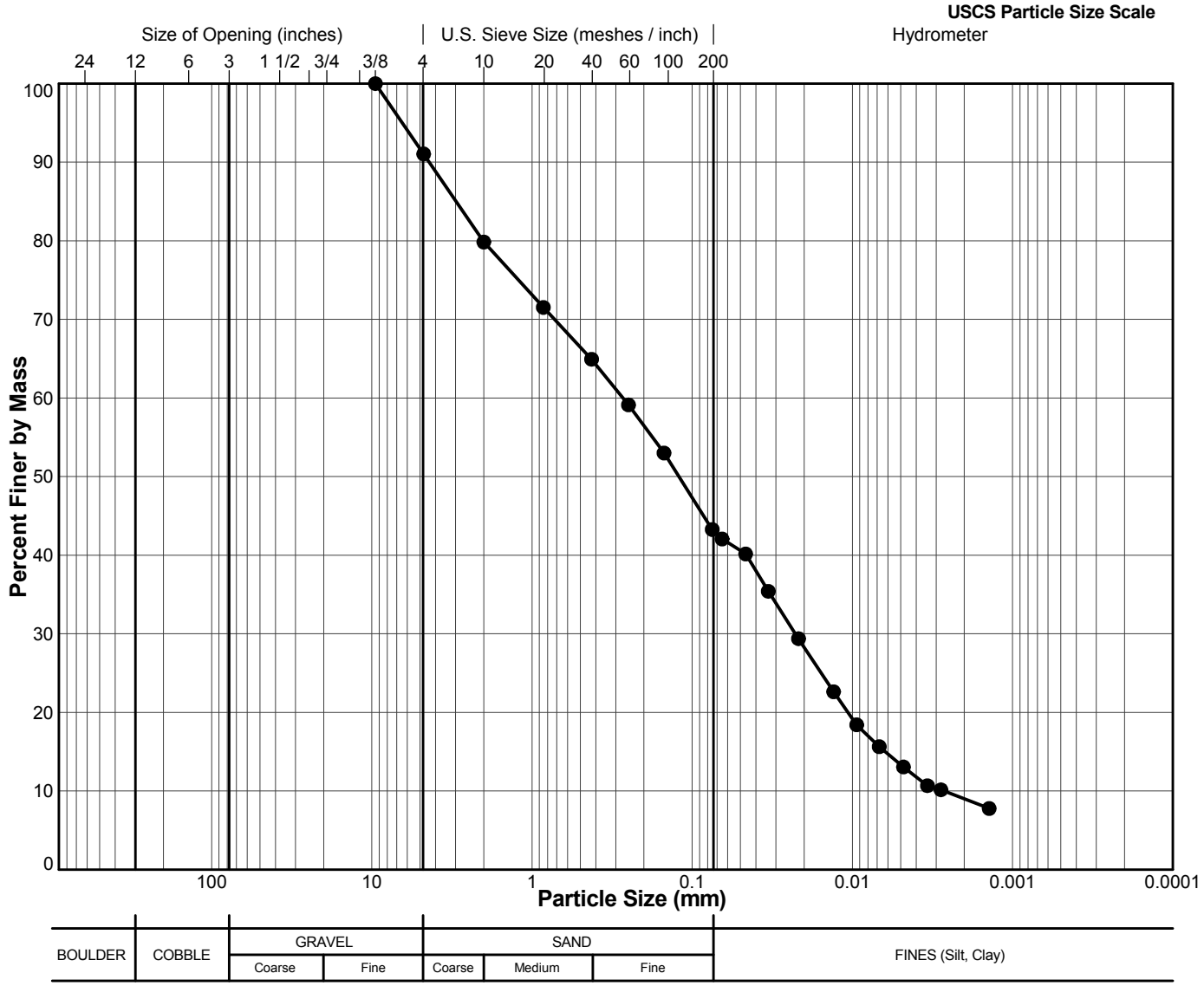
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-13**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.05 to 4.15
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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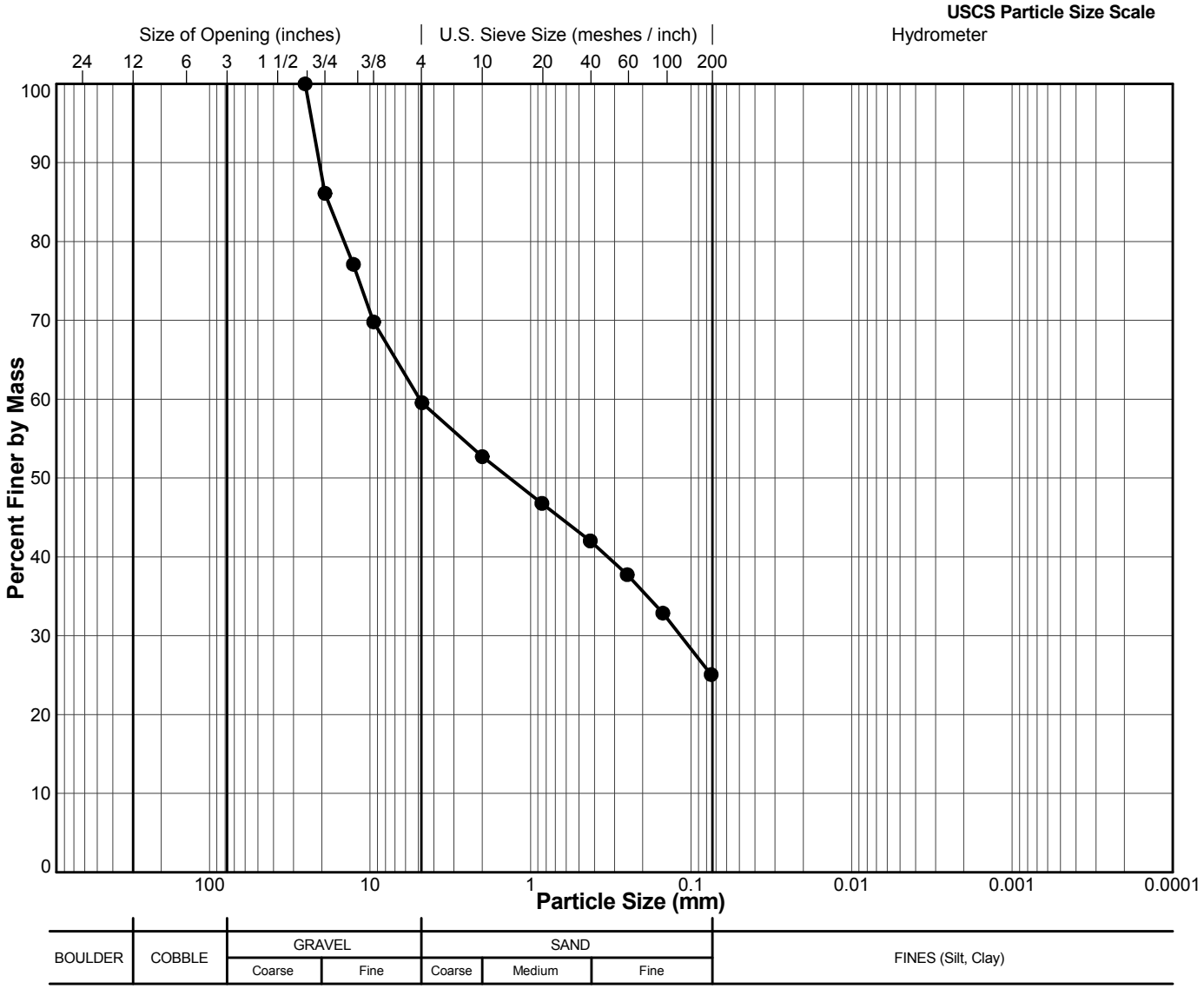
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-14**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.90 to 2.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



EB	**8/7/2012**	**LP**	**8/17/2012**
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PARTICLE SIZE ANALYSIS OF SOILS

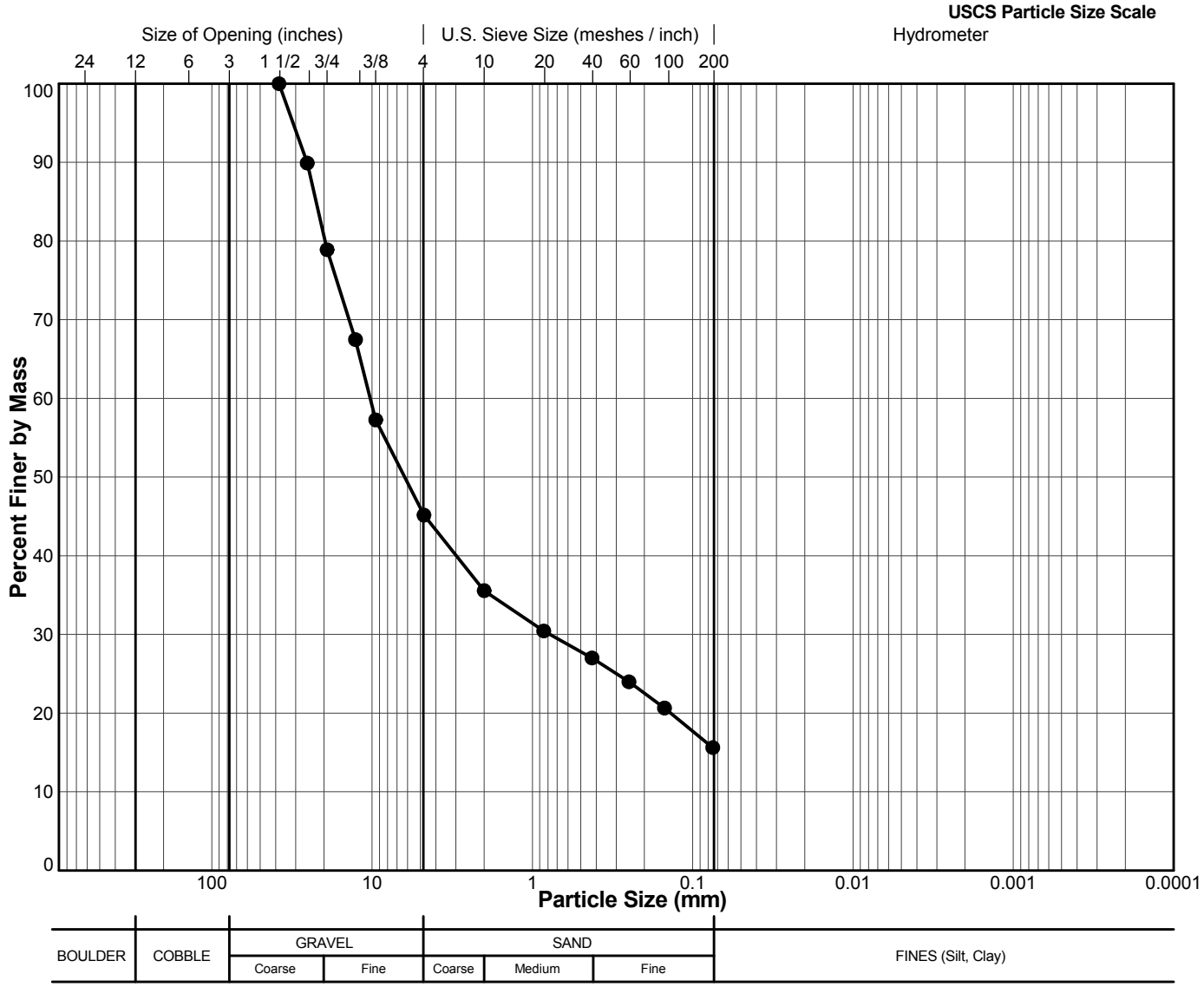
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-14**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.30 to 4.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

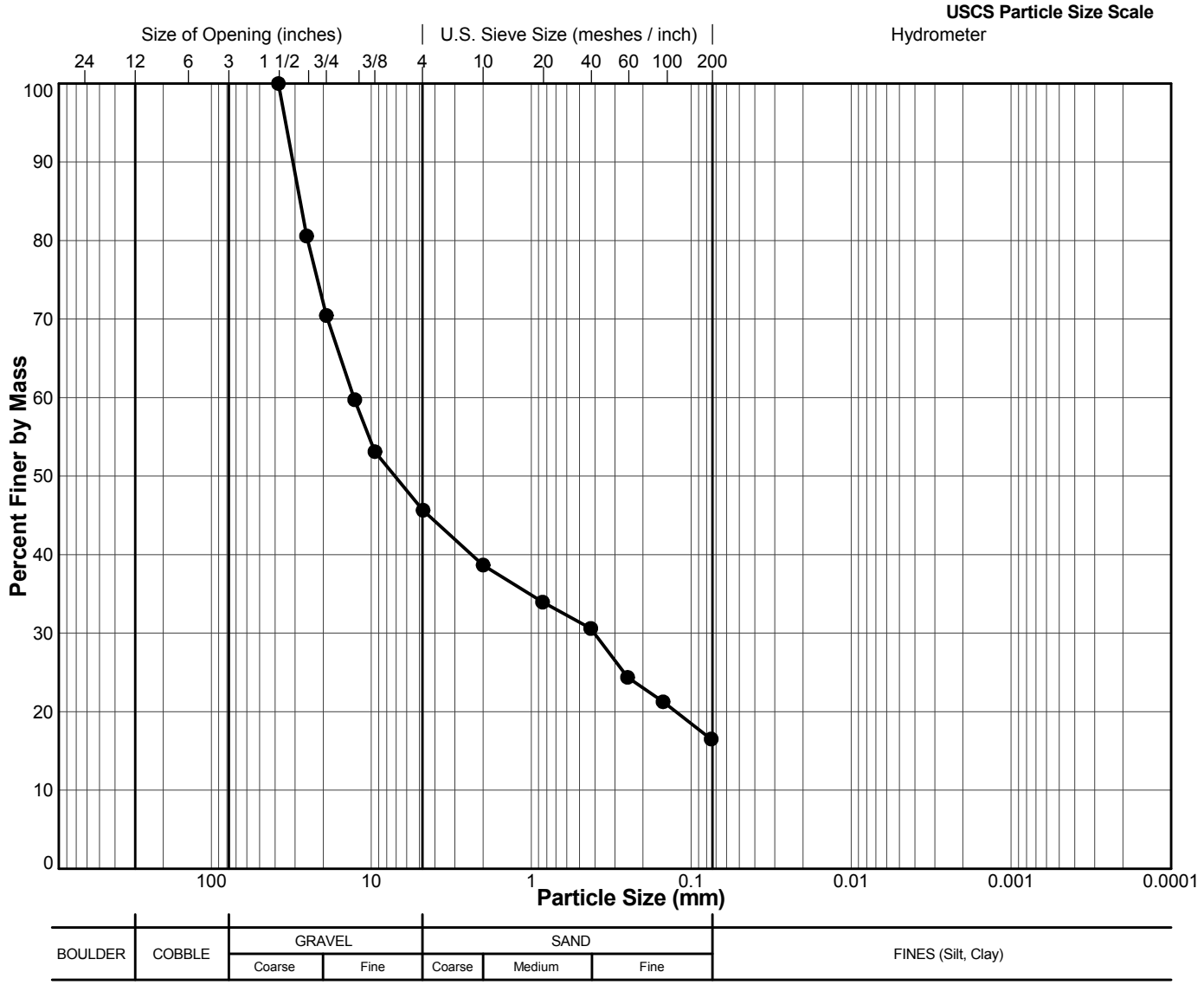
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-14**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.70 to 5.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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Tech	Date	Checked	Date

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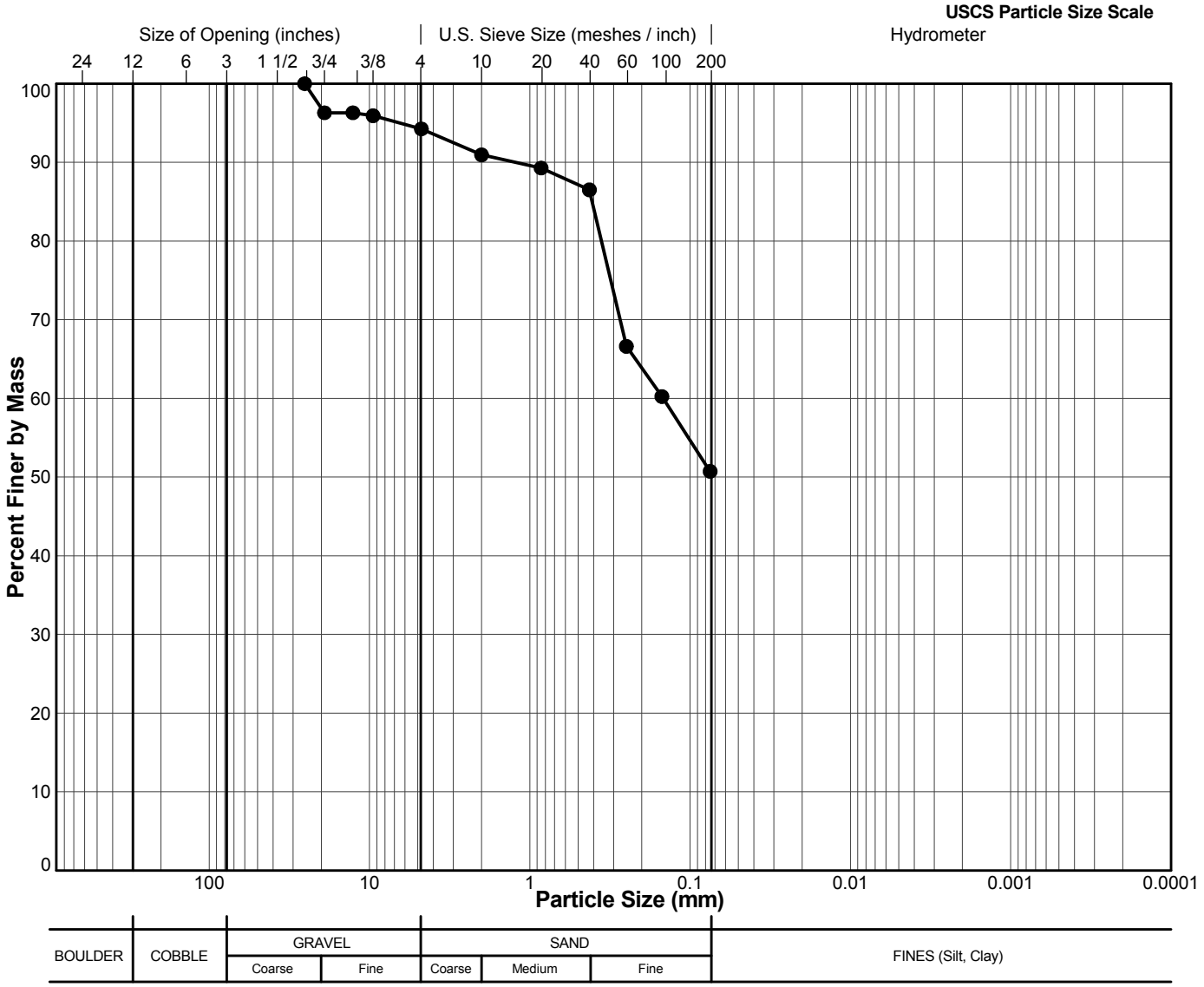
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-15**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.49 to 1.67
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



EB	**9/5/2012**	**LP**	**9/25/2012**
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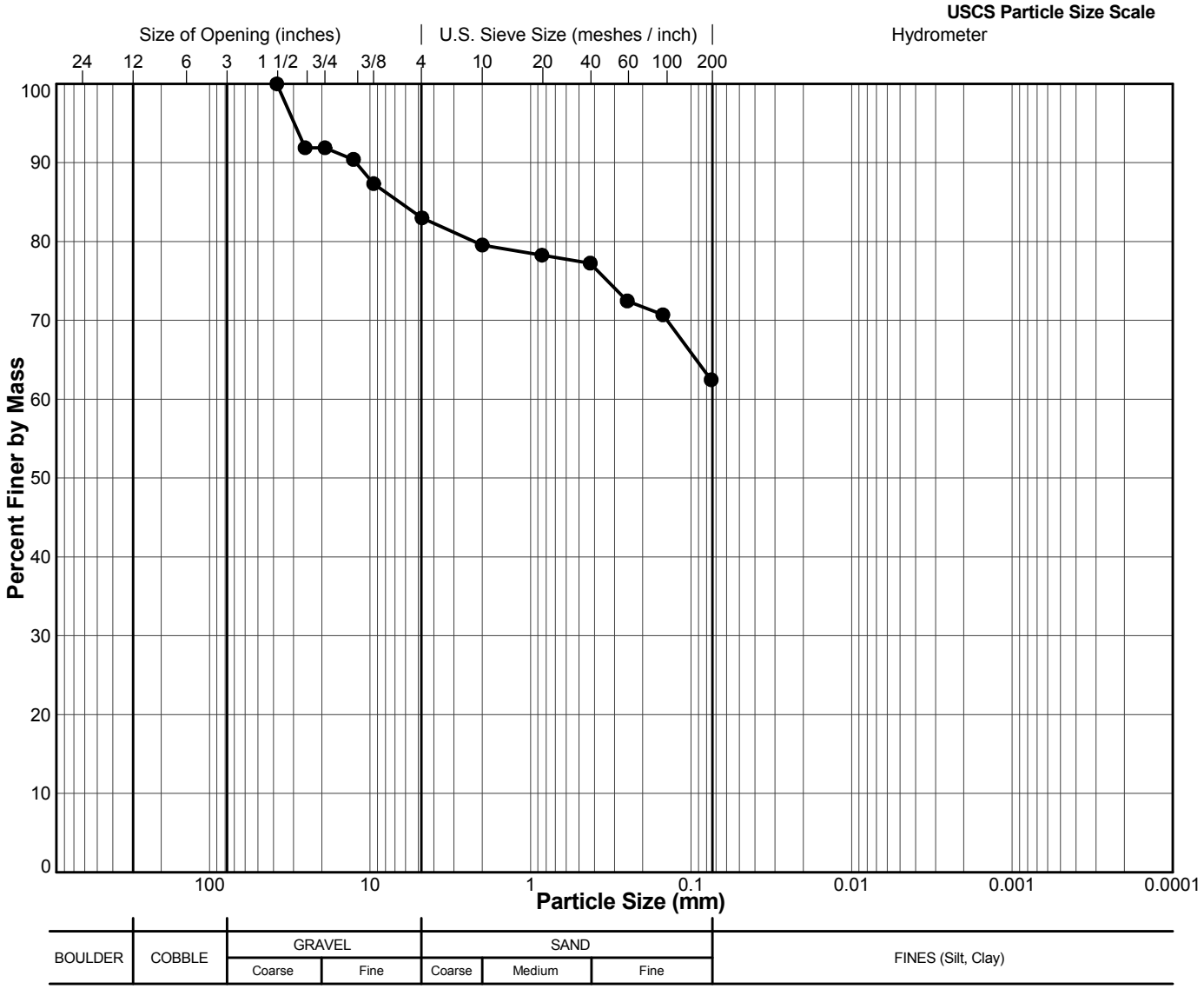
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-15**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.67 to 2.12
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



EB	**9/5/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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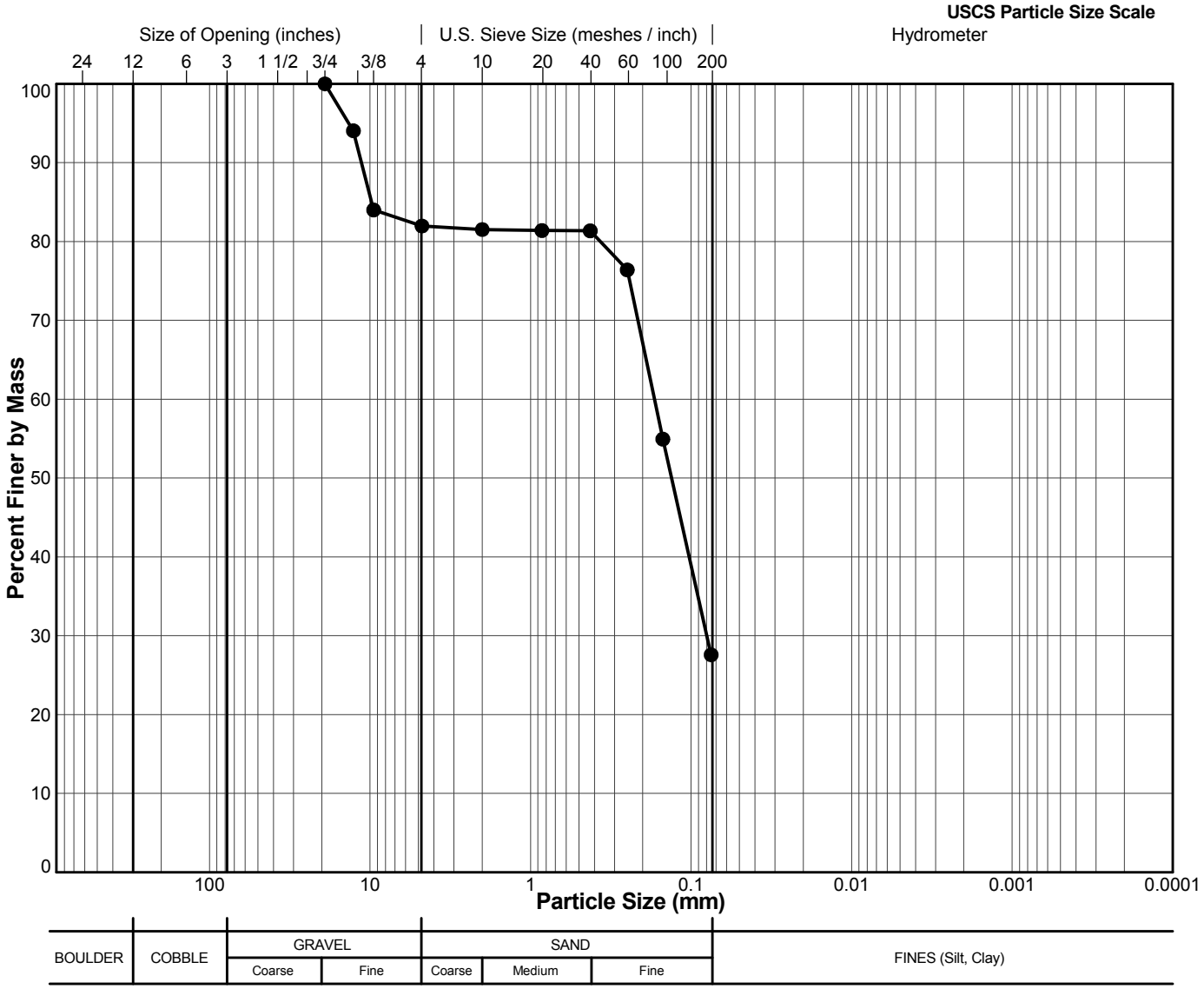
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-15**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.30 to 3.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

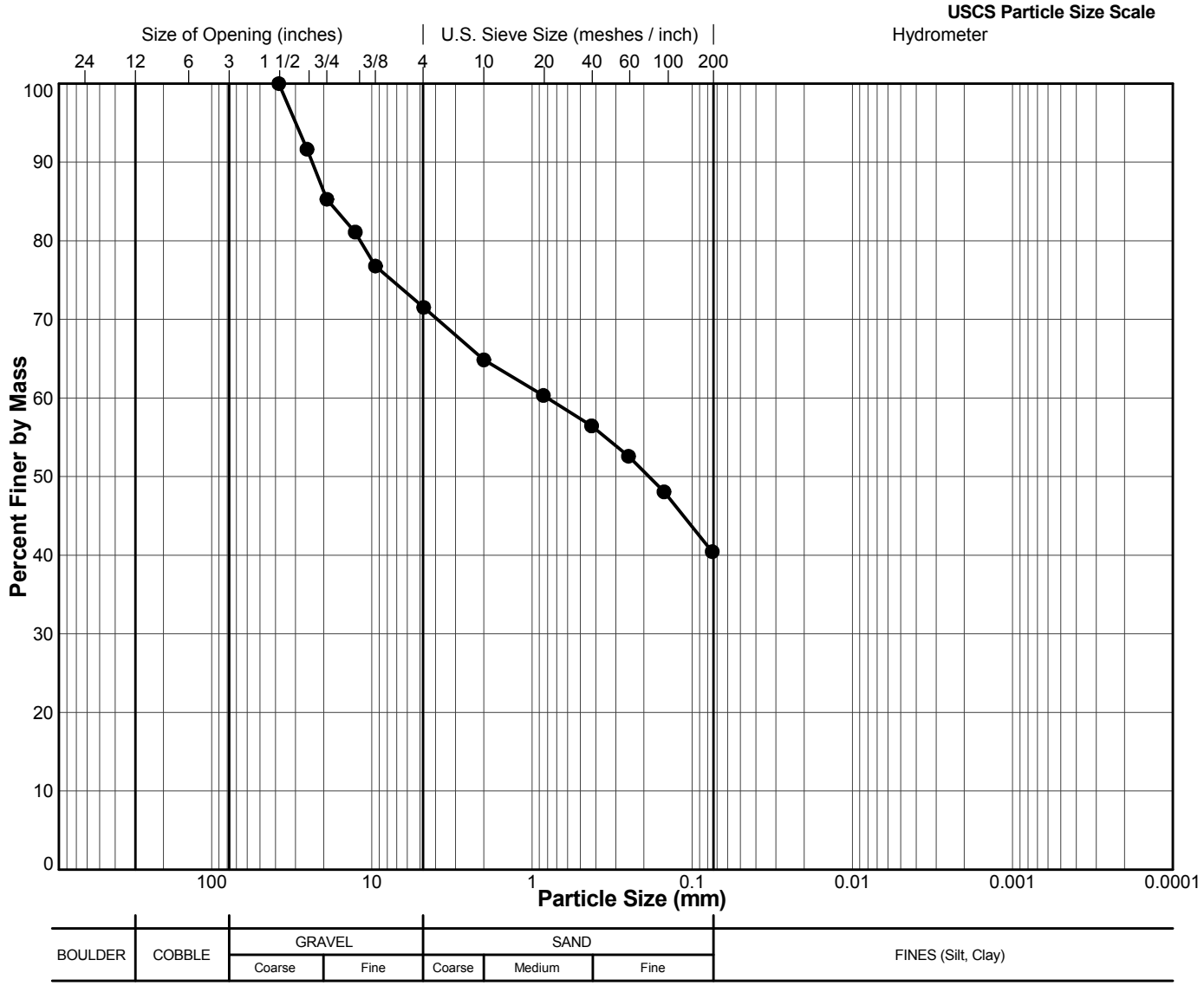
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-15**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.80 to 5.12
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

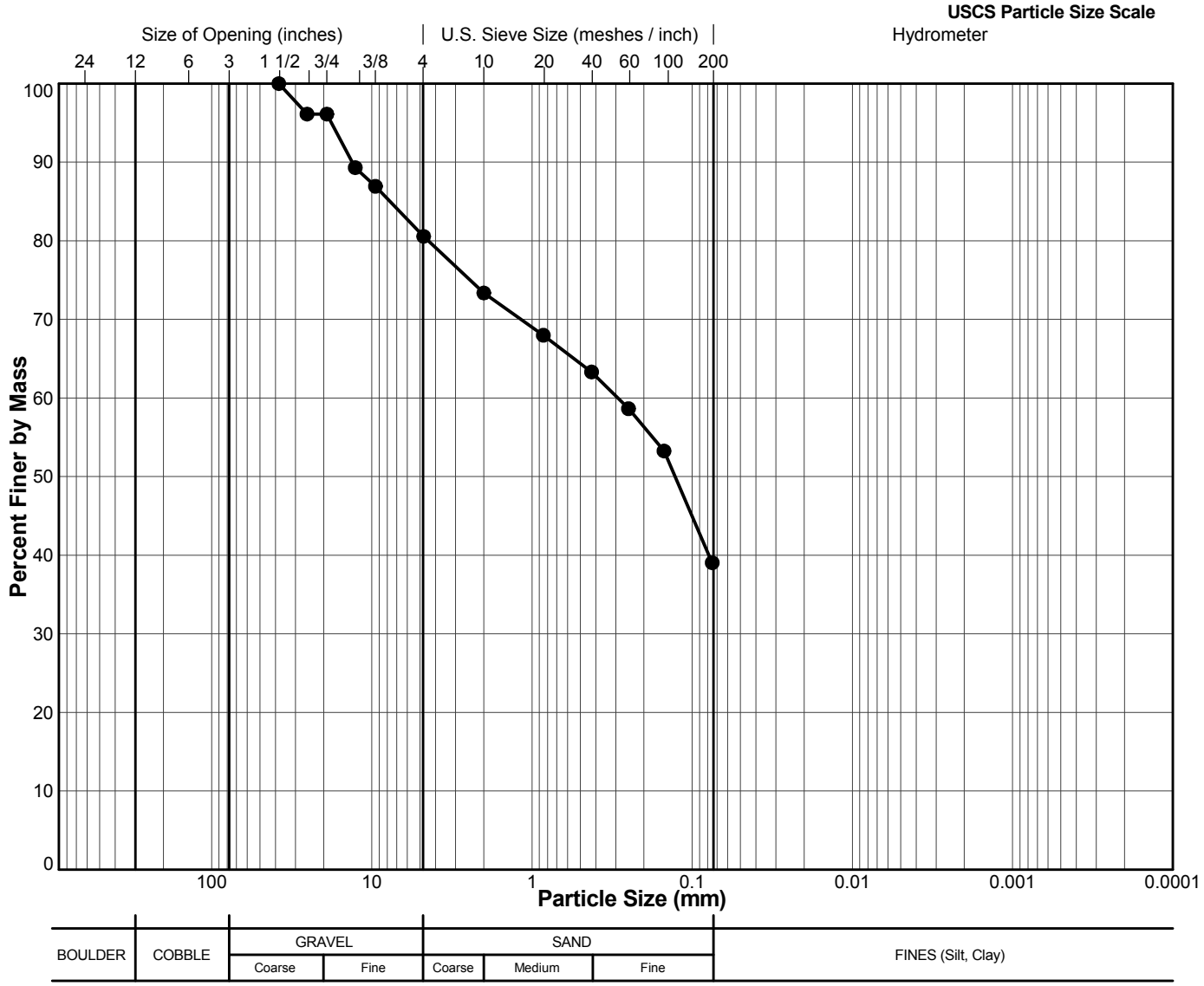
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-15**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 8.15 to 8.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



EB	**9/5/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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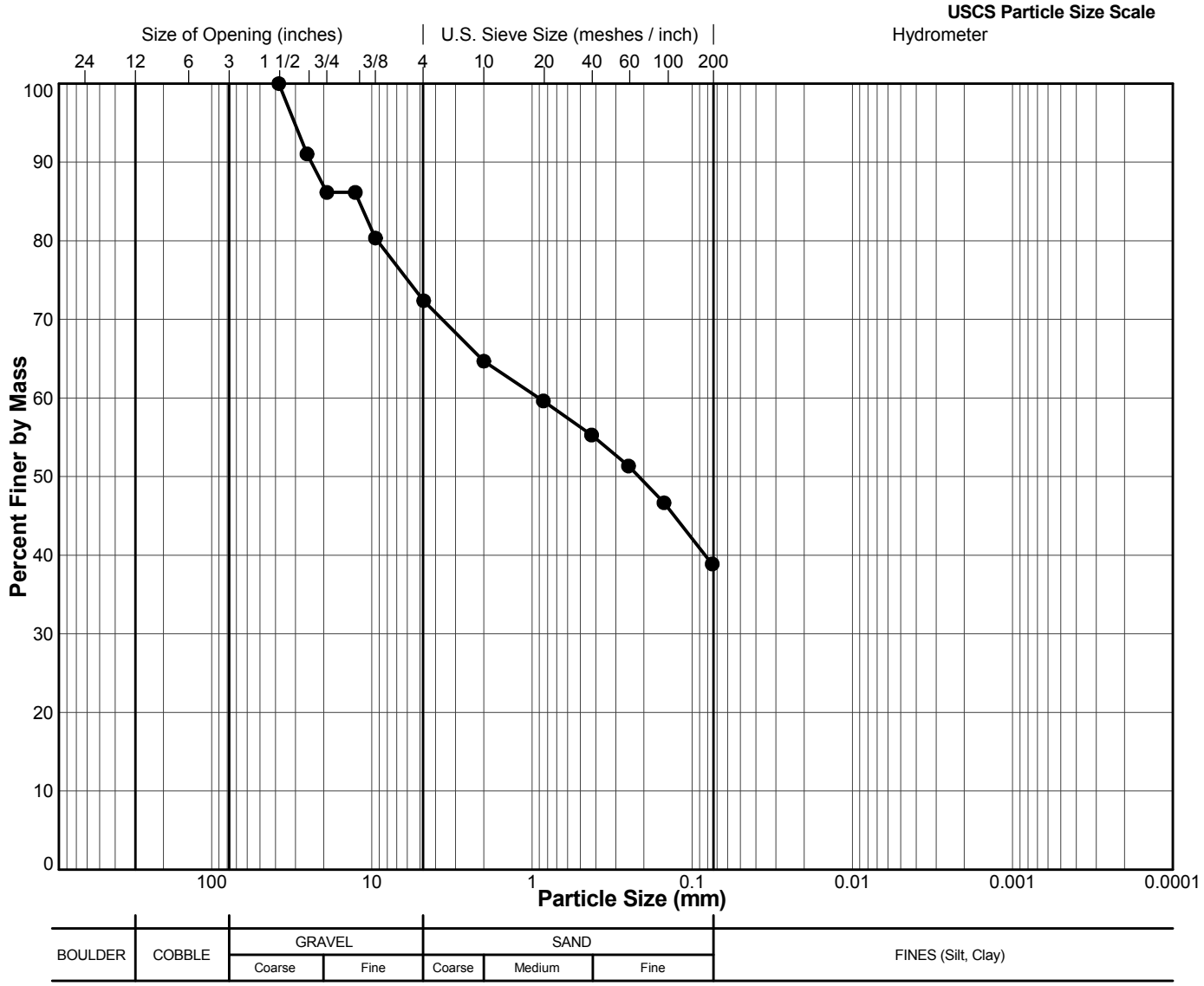
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-15**	
Project:	2012 Drilling Program	**Sample No.: 6**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 11.20 to 11.30	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



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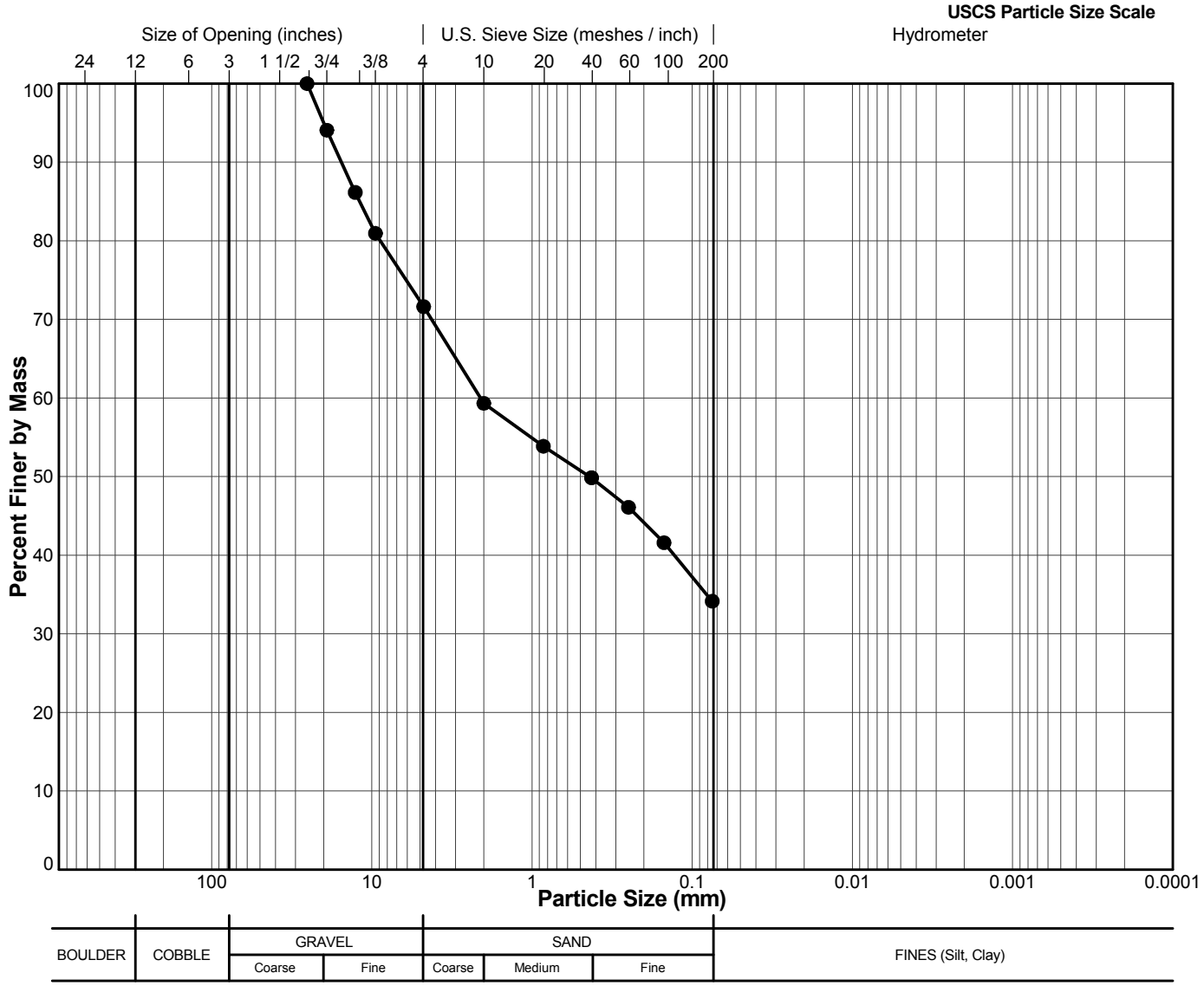
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-16**
Project:	2012 Drilling Program	**Sample No.: 1**
Location:	Meliadine Gold Project	**Depth Interval (m):** 1.65 to 1.87
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

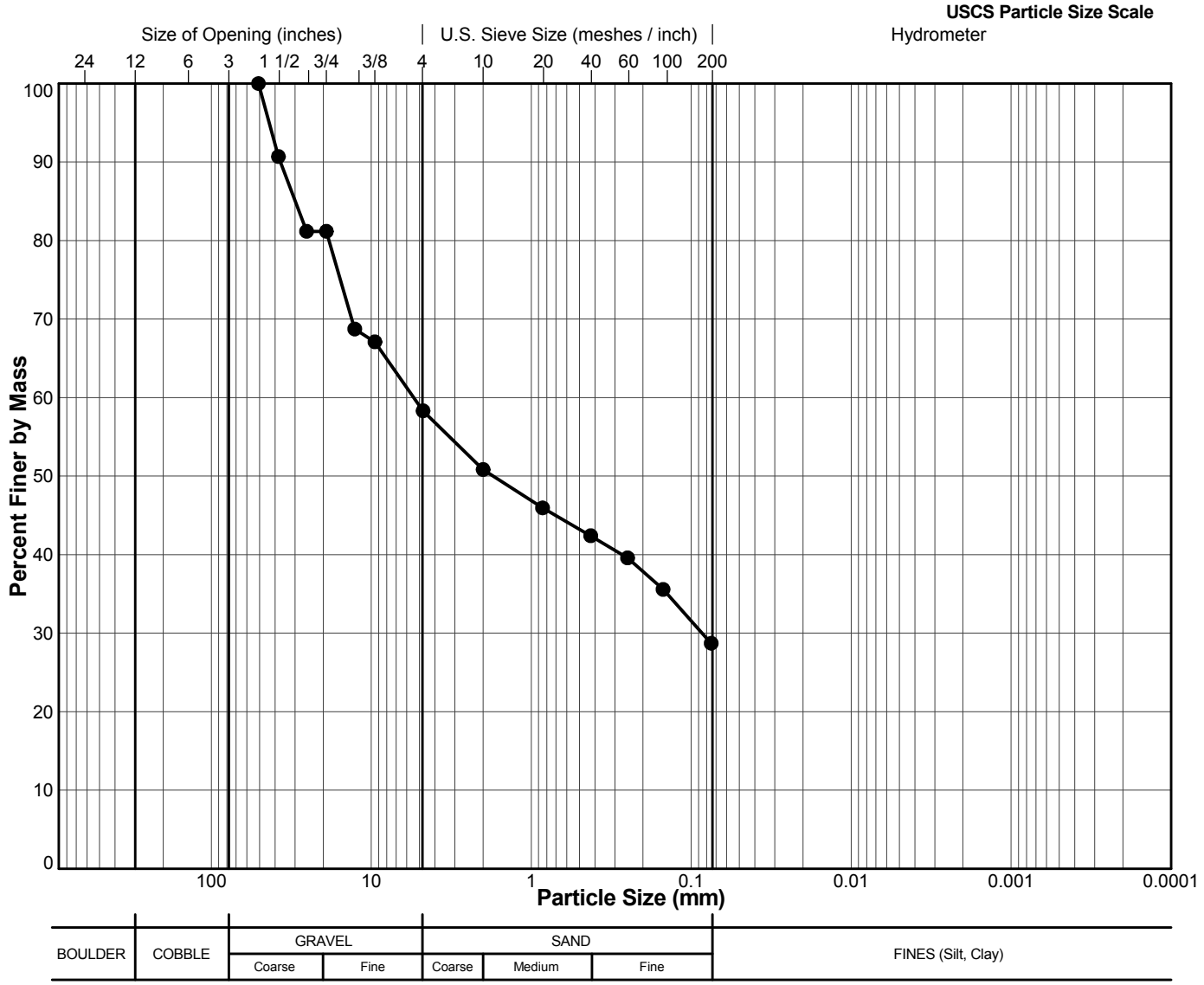
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-16**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 7.50 to 8.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Split, Washed



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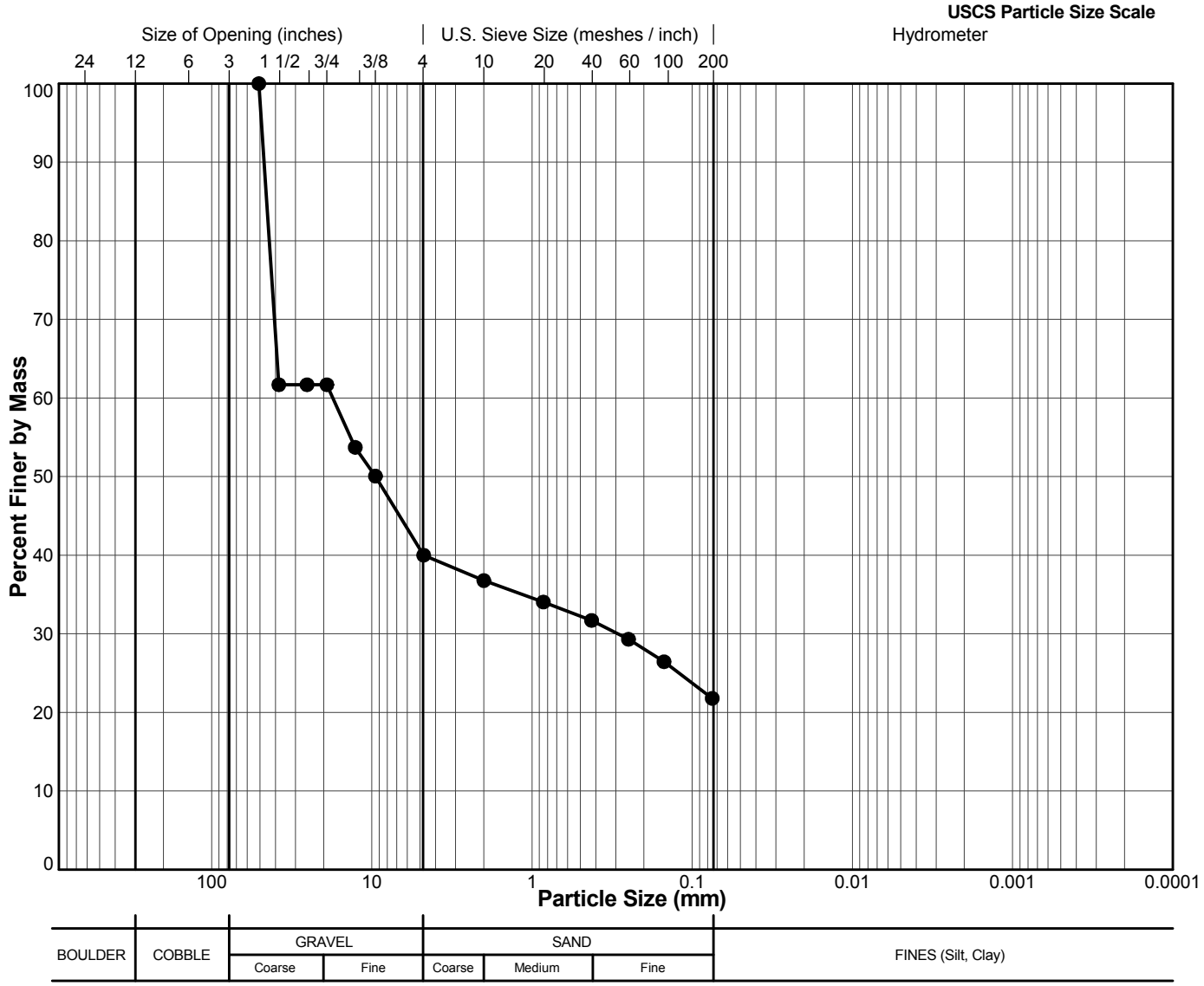
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-16**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 10.10 to 10.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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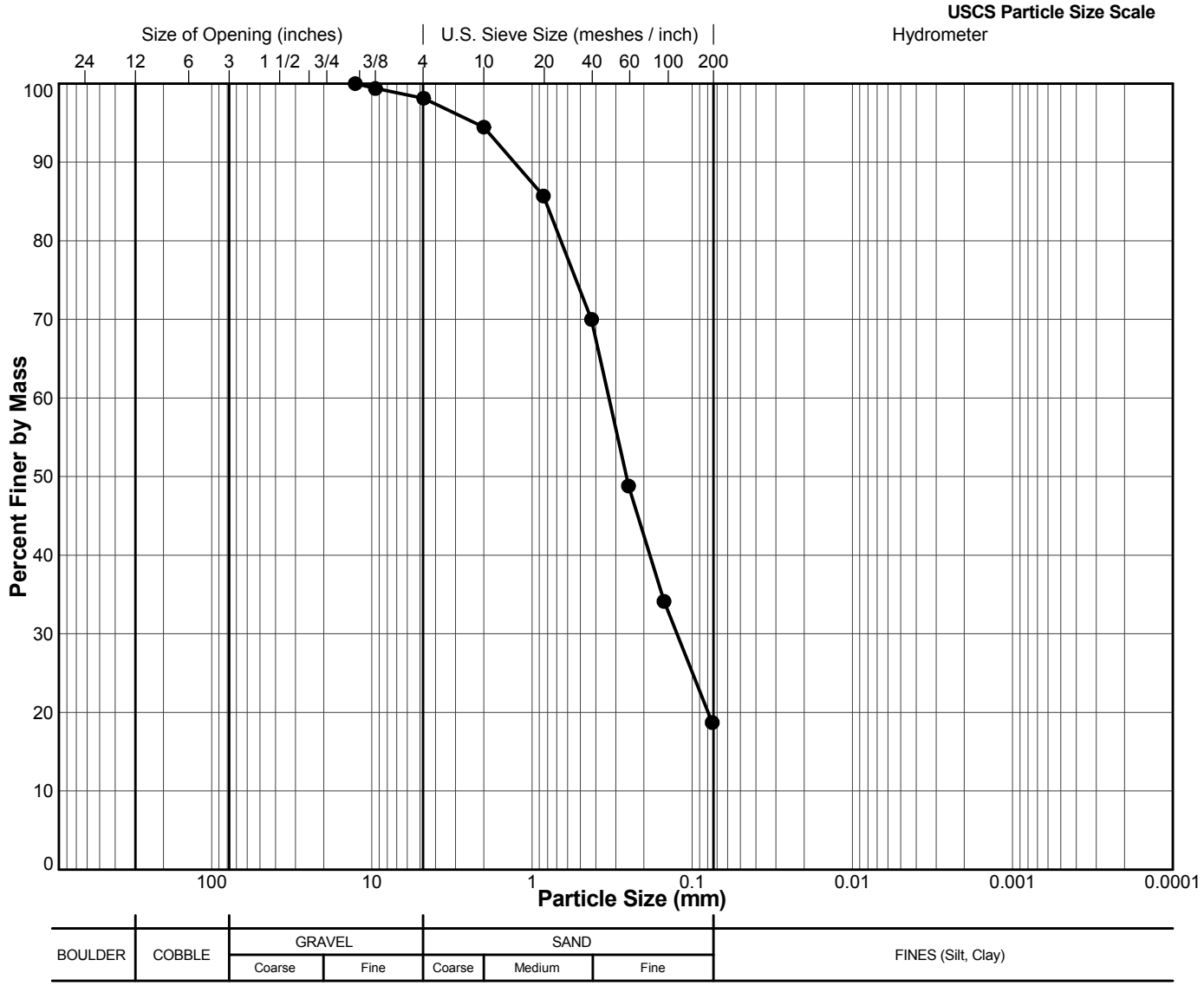
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-17**	
Project:	2012 Drilling Program	**Sample No.: 1**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 0.05 to 0.30	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	
Method: Split, Washed	



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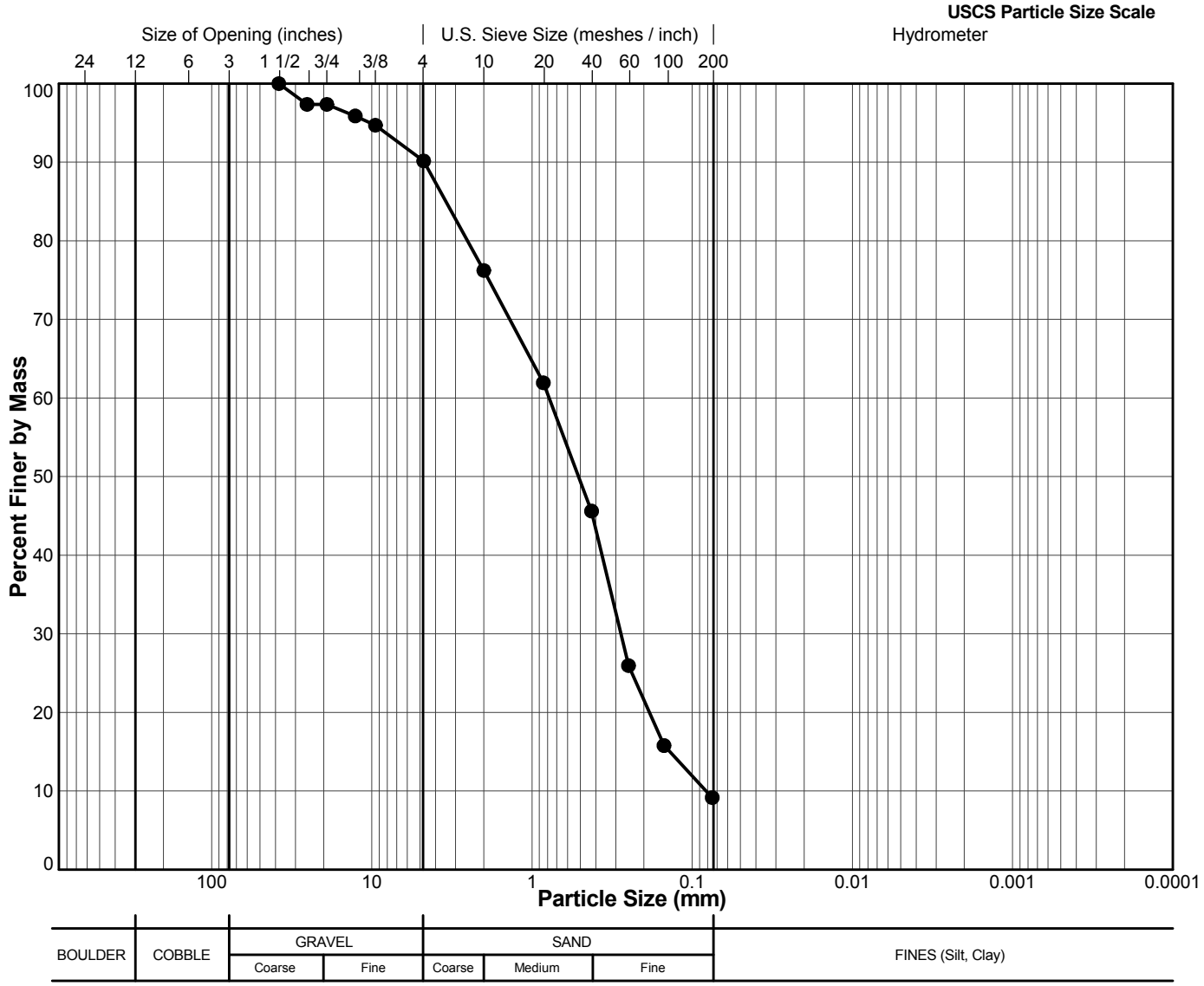
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-17**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.30 to 0.60
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



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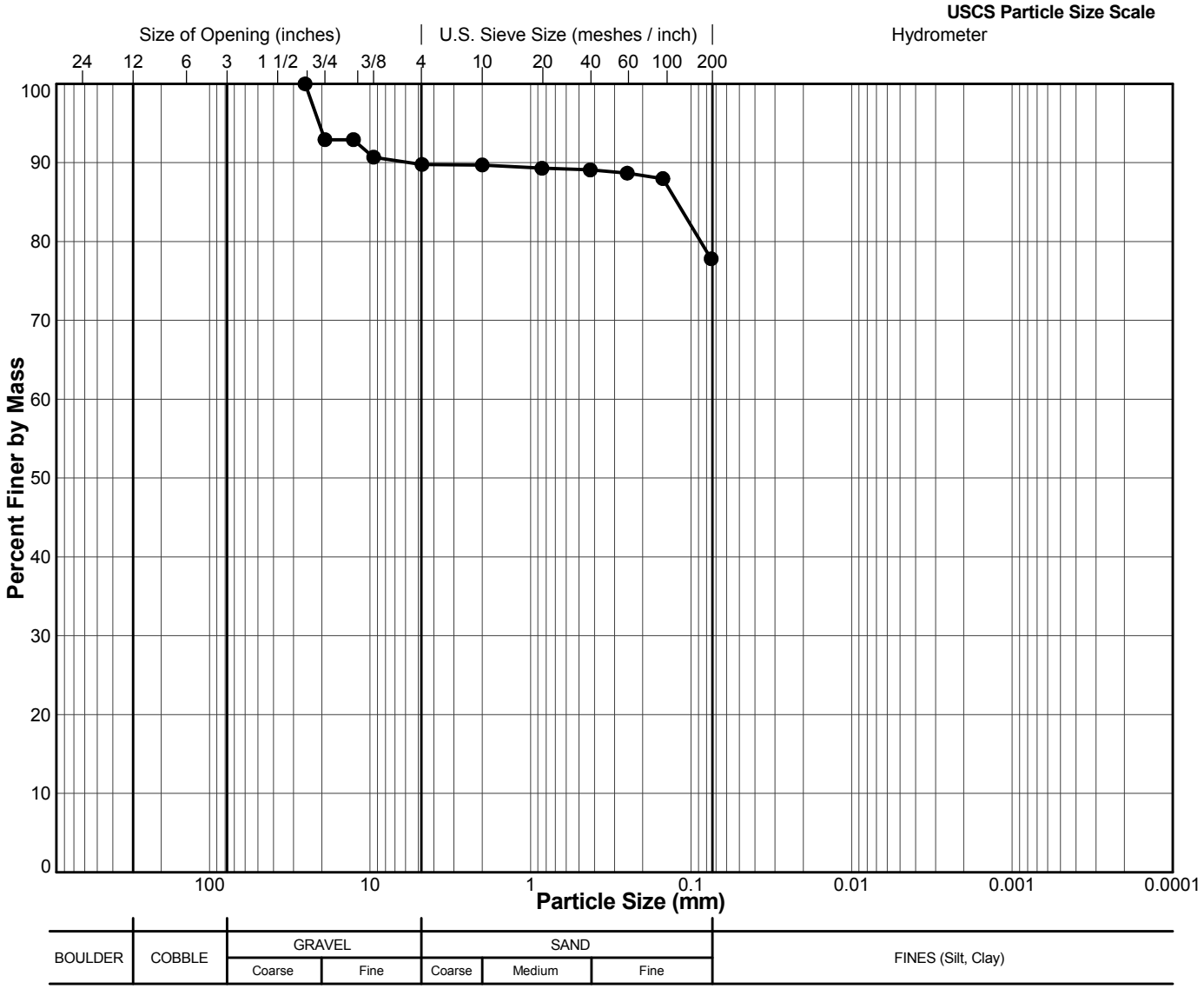
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-17**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.47 to 2.93
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

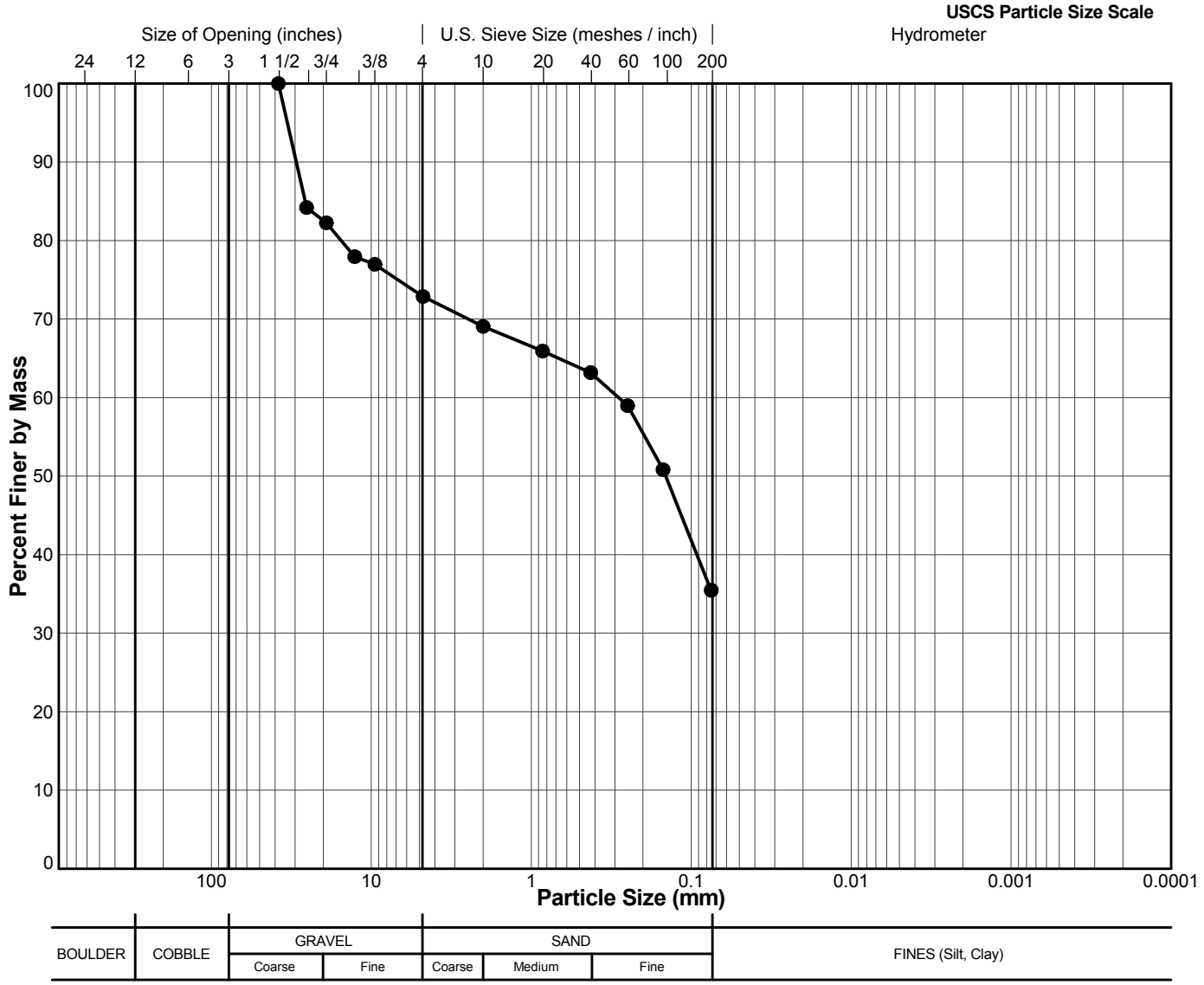
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-17**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.35 to 3.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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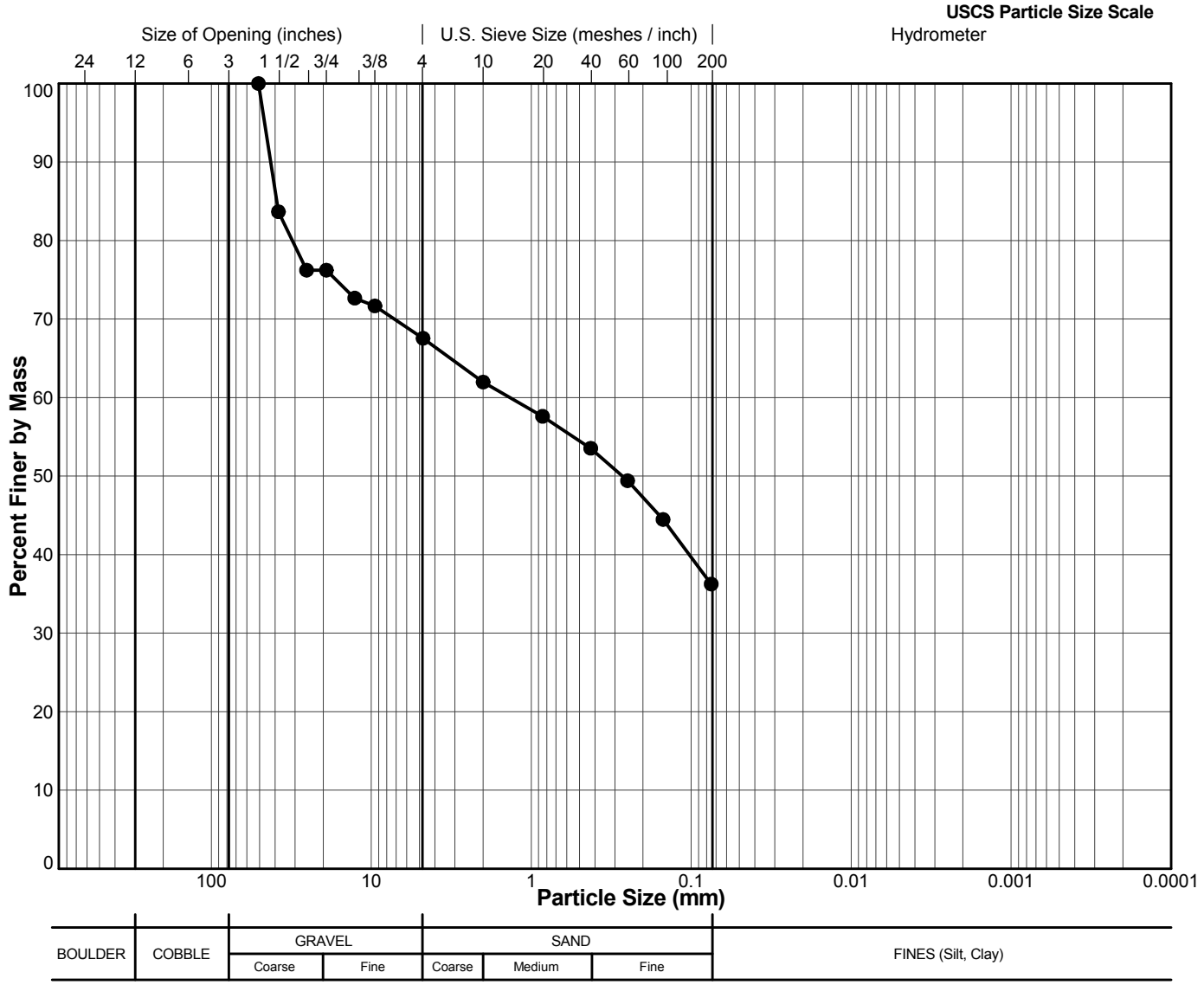
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-17**
Project:	2012 Drilling Program	**Sample No.: 5**
Location:	Meliadine Gold Project	**Depth Interval (m):** 7.50 to 8.00
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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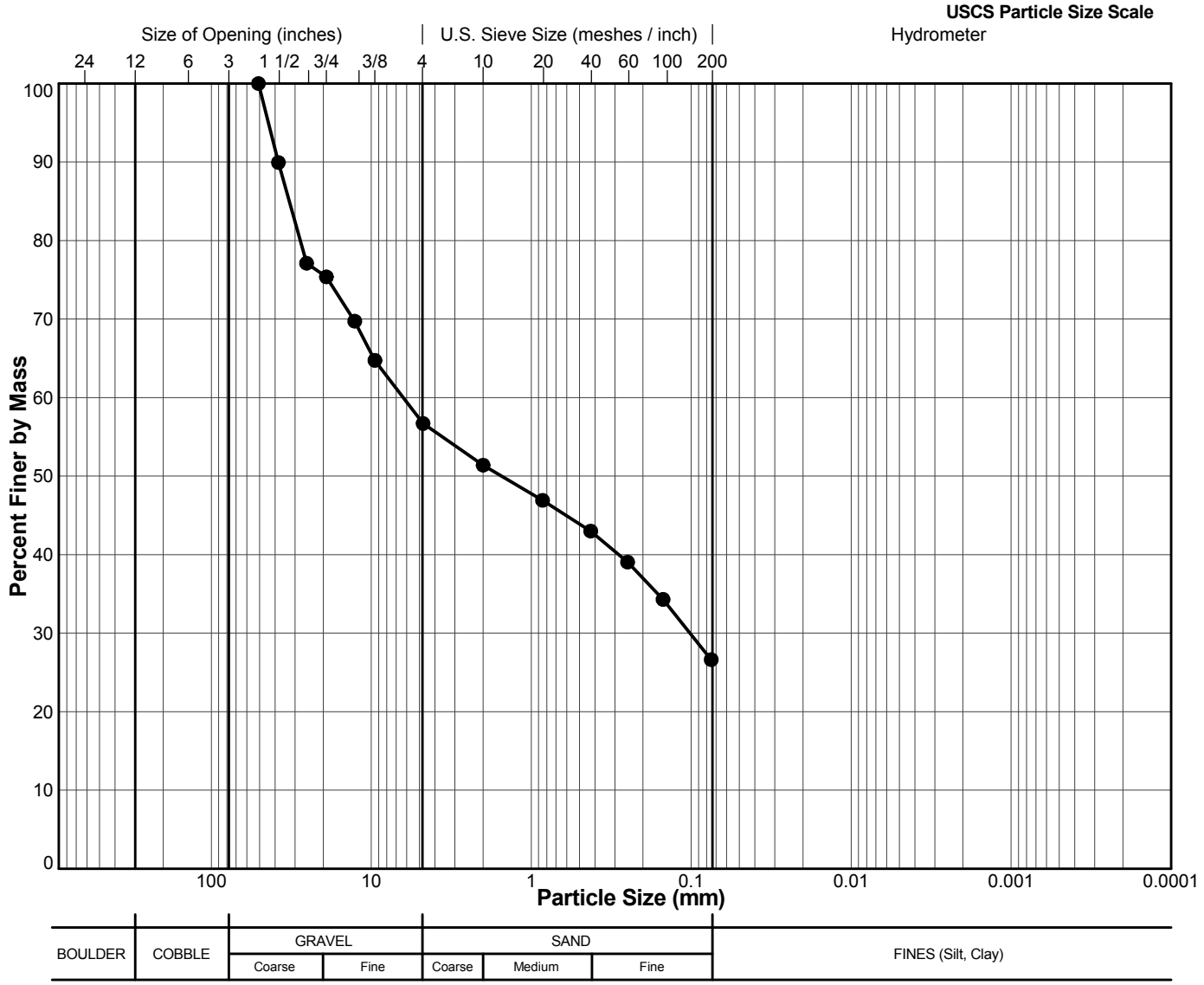
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-18**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.35 to 1.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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Tech	Date	Checked	Date

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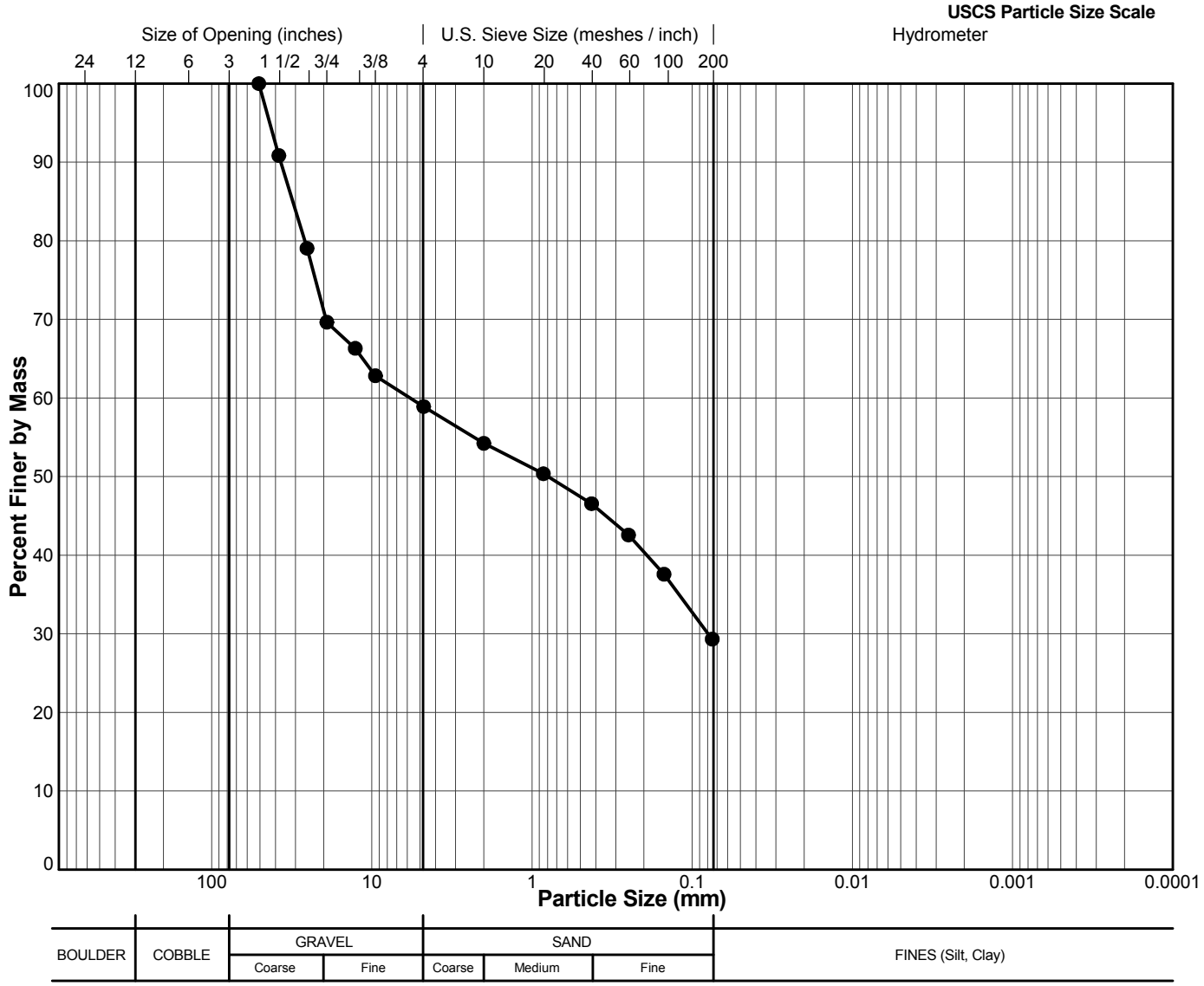
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-18**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.00 to 2.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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Tech	Date	Checked	Date

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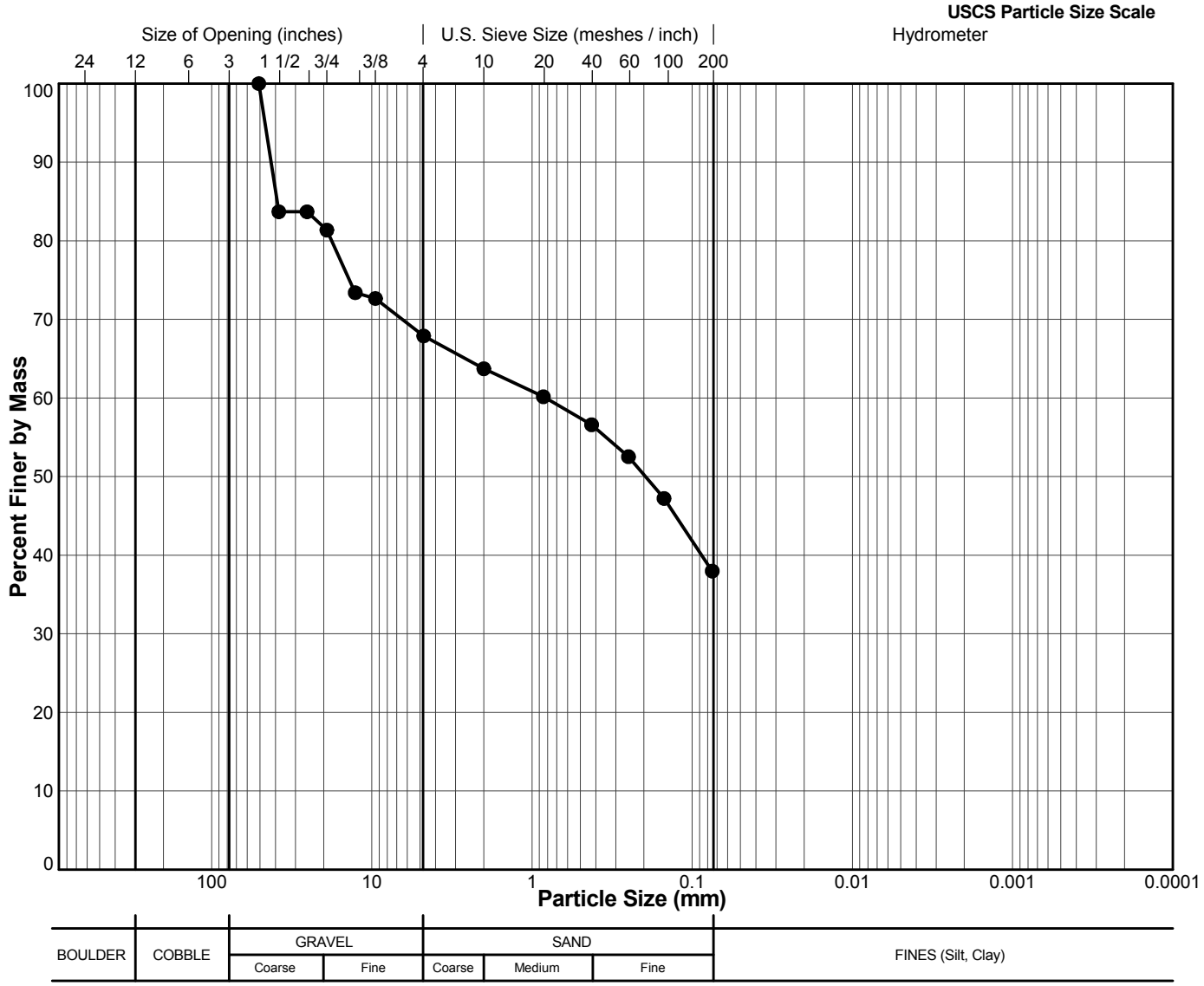
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-18**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.50 to 4.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	
Method: Split, Washed	



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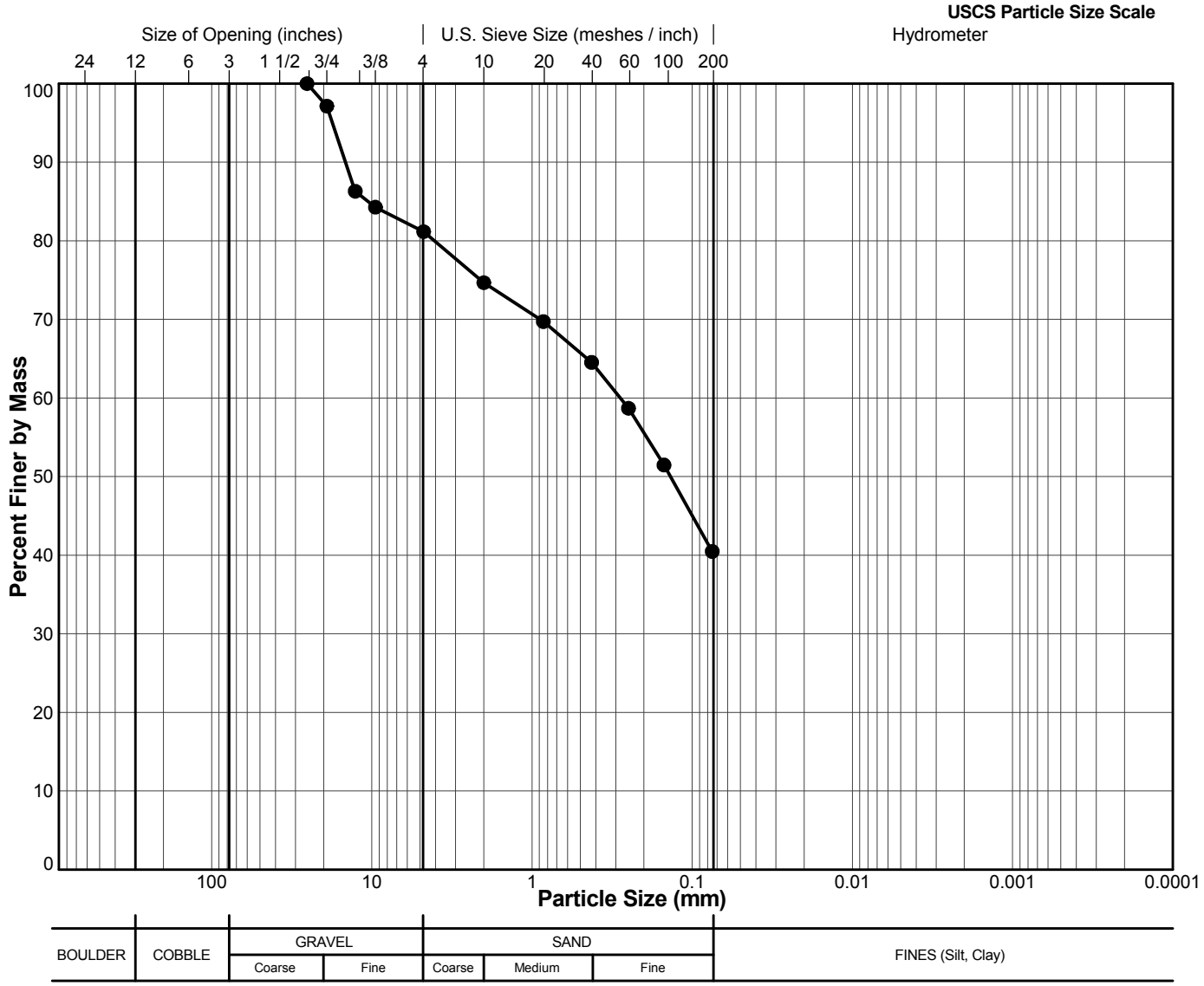
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-18**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 6.70 to 7.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.30 to 1.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 4.75	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
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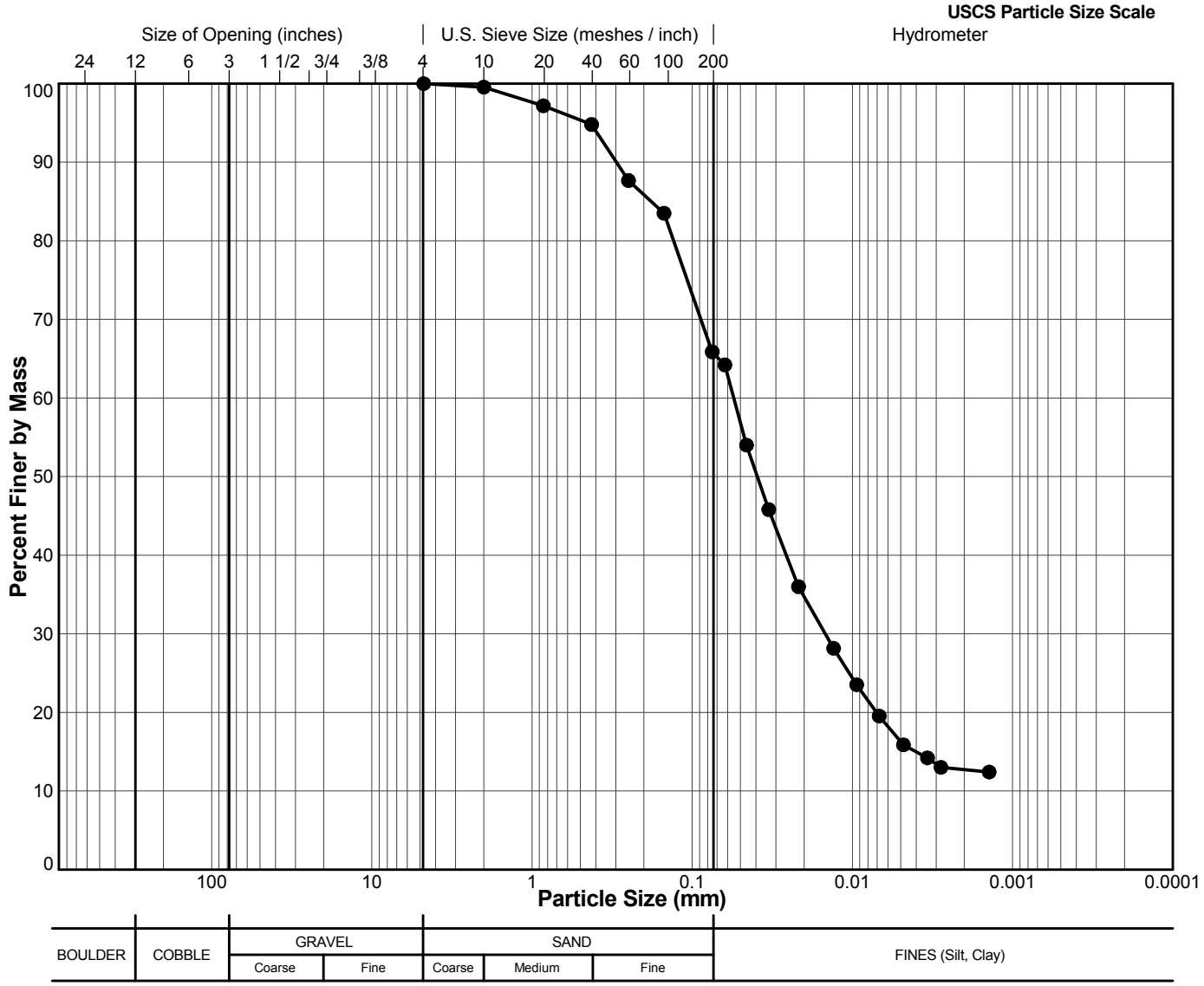

SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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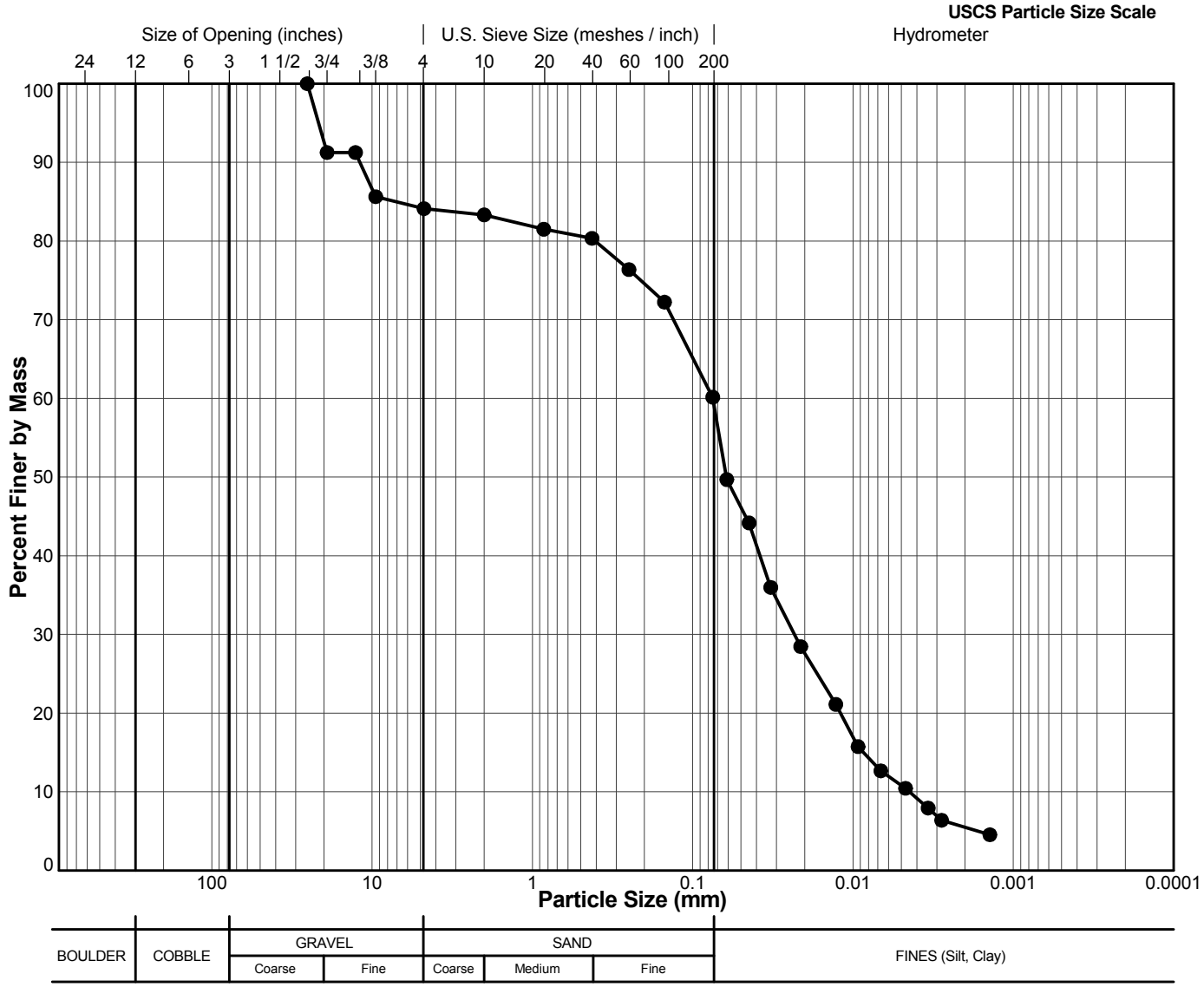
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 1B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.30 to 1.65
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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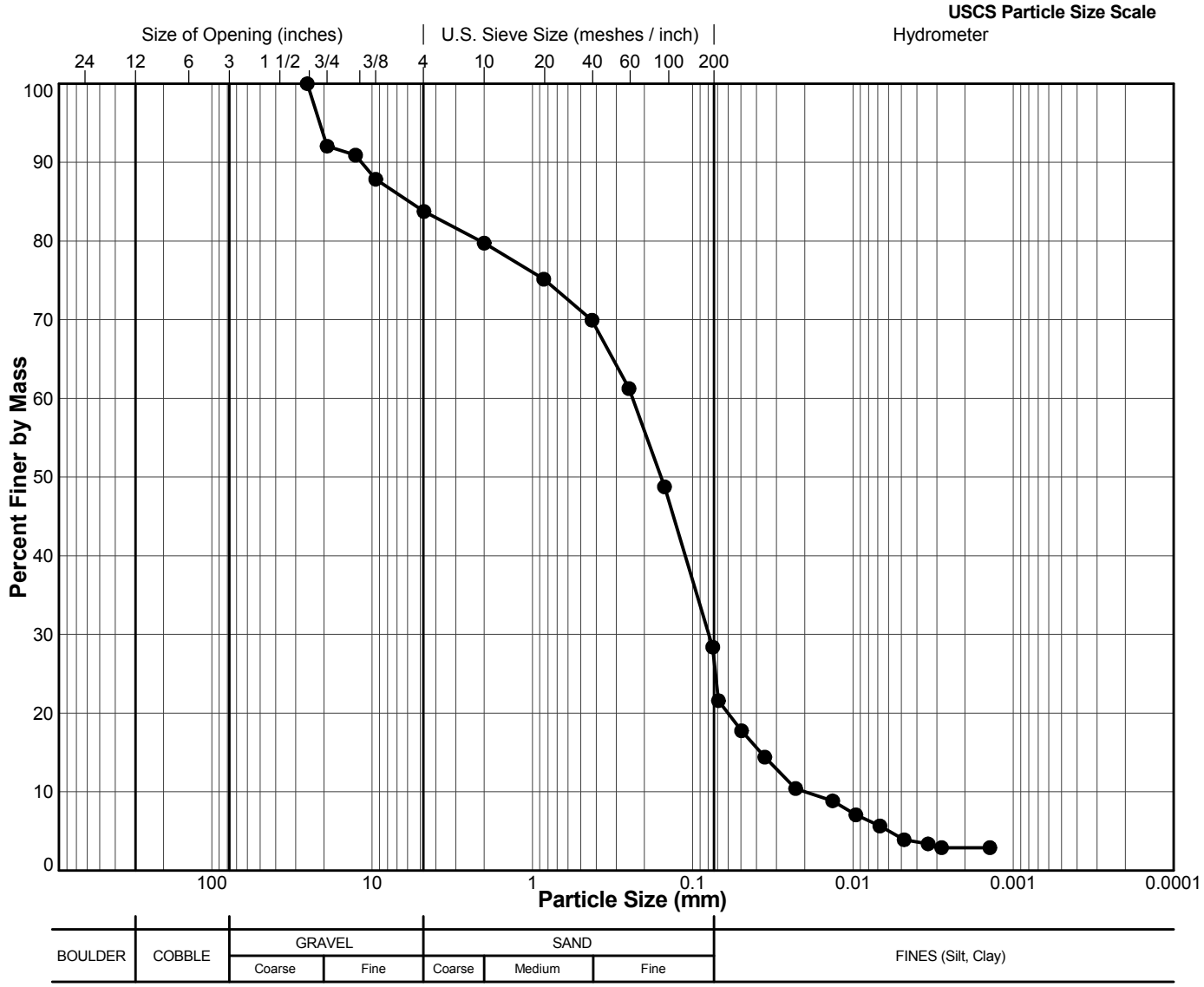
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.65 to 1.98
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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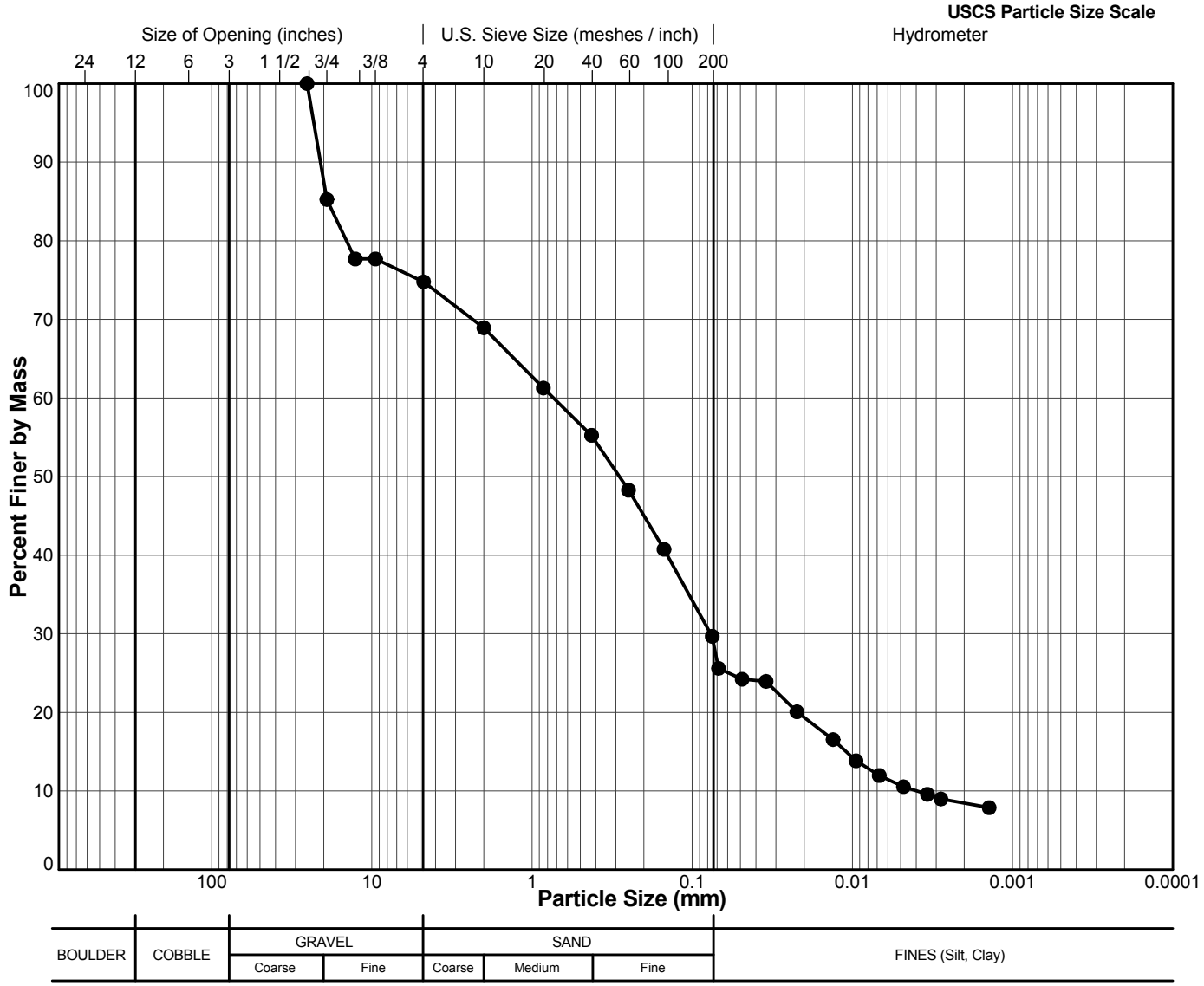
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 2B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.65 to 1.98
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/28/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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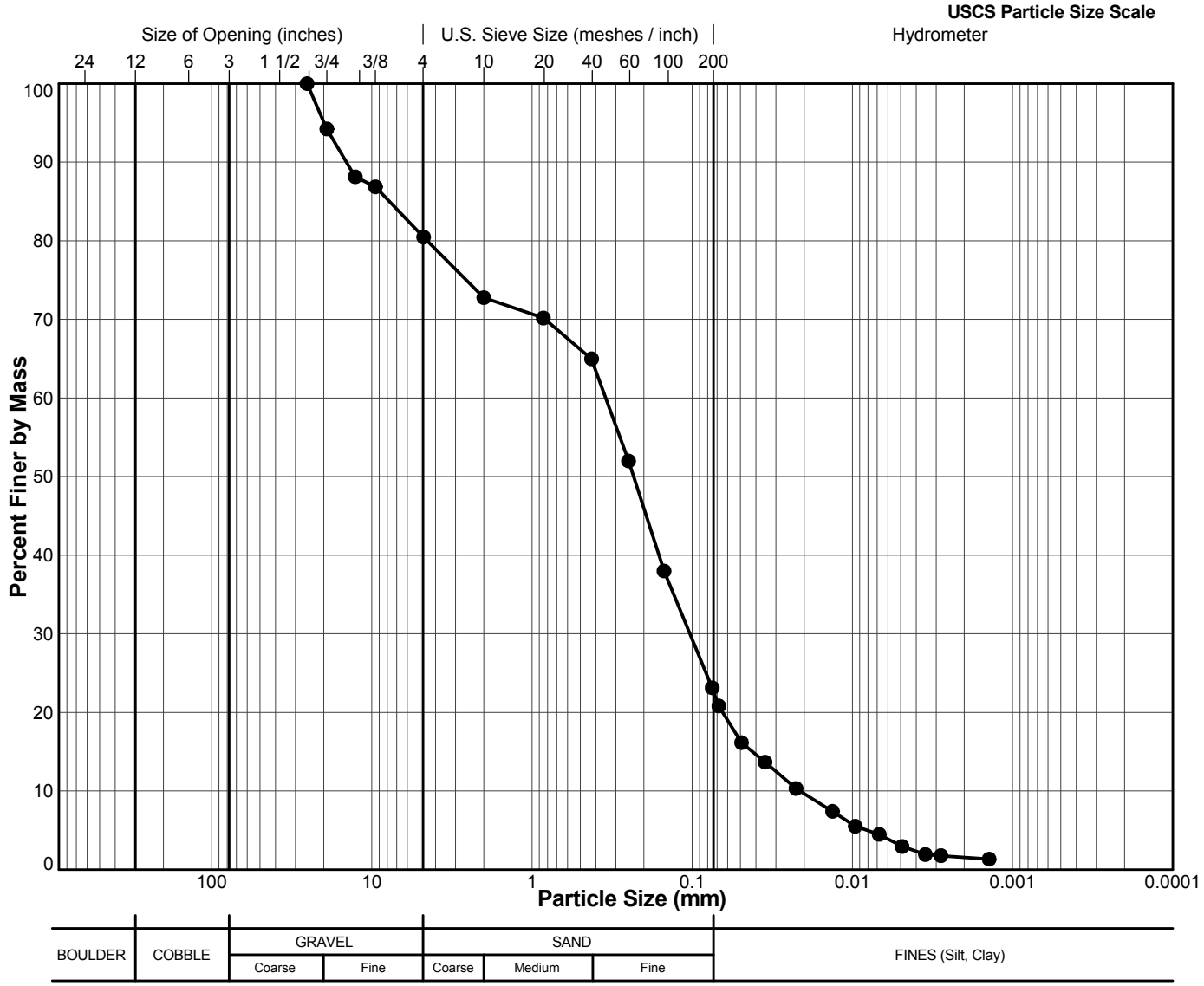
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.98 to 2.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/29/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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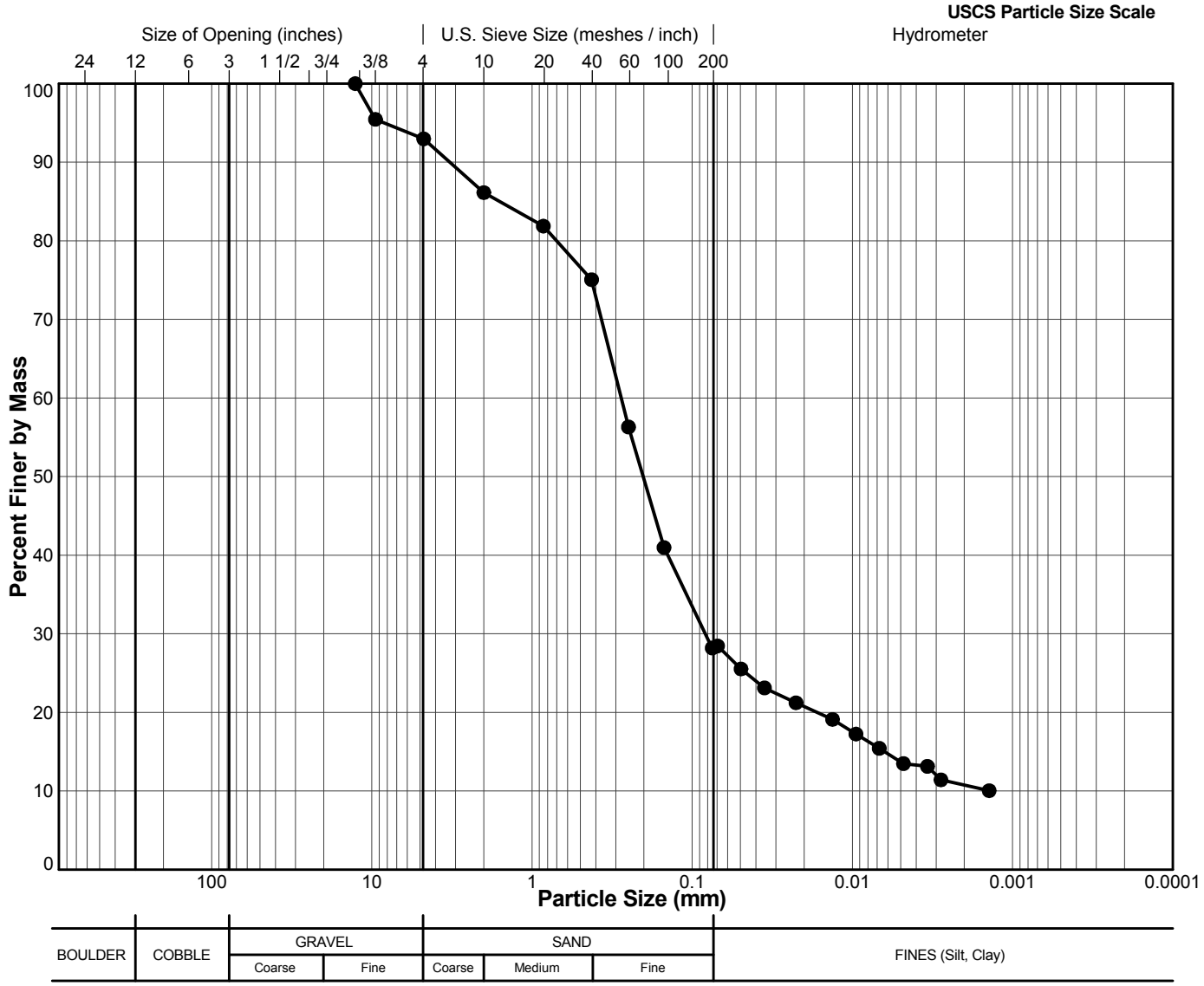
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 3B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.98 to 2.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/29/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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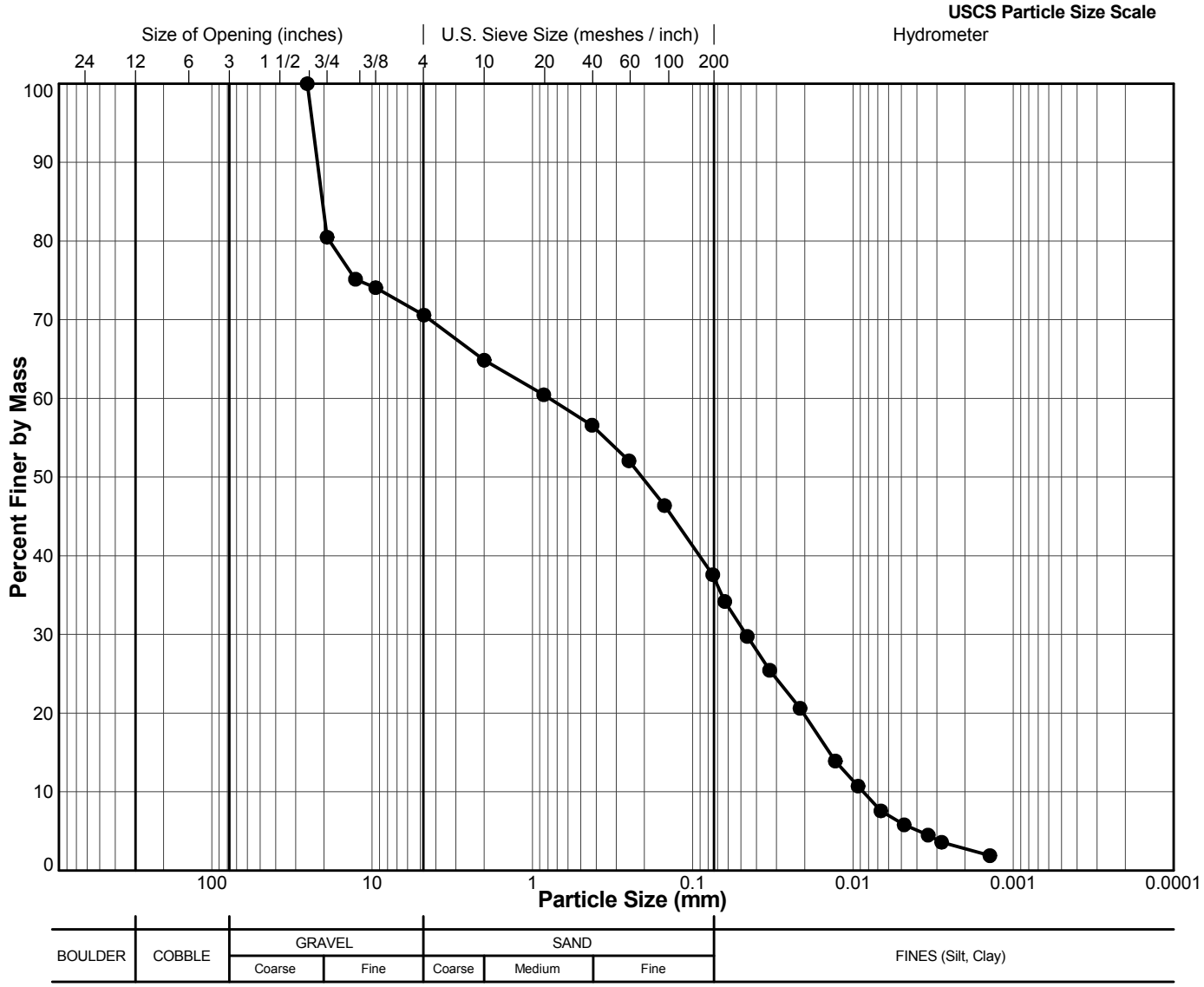
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.53 to 2.71
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/29/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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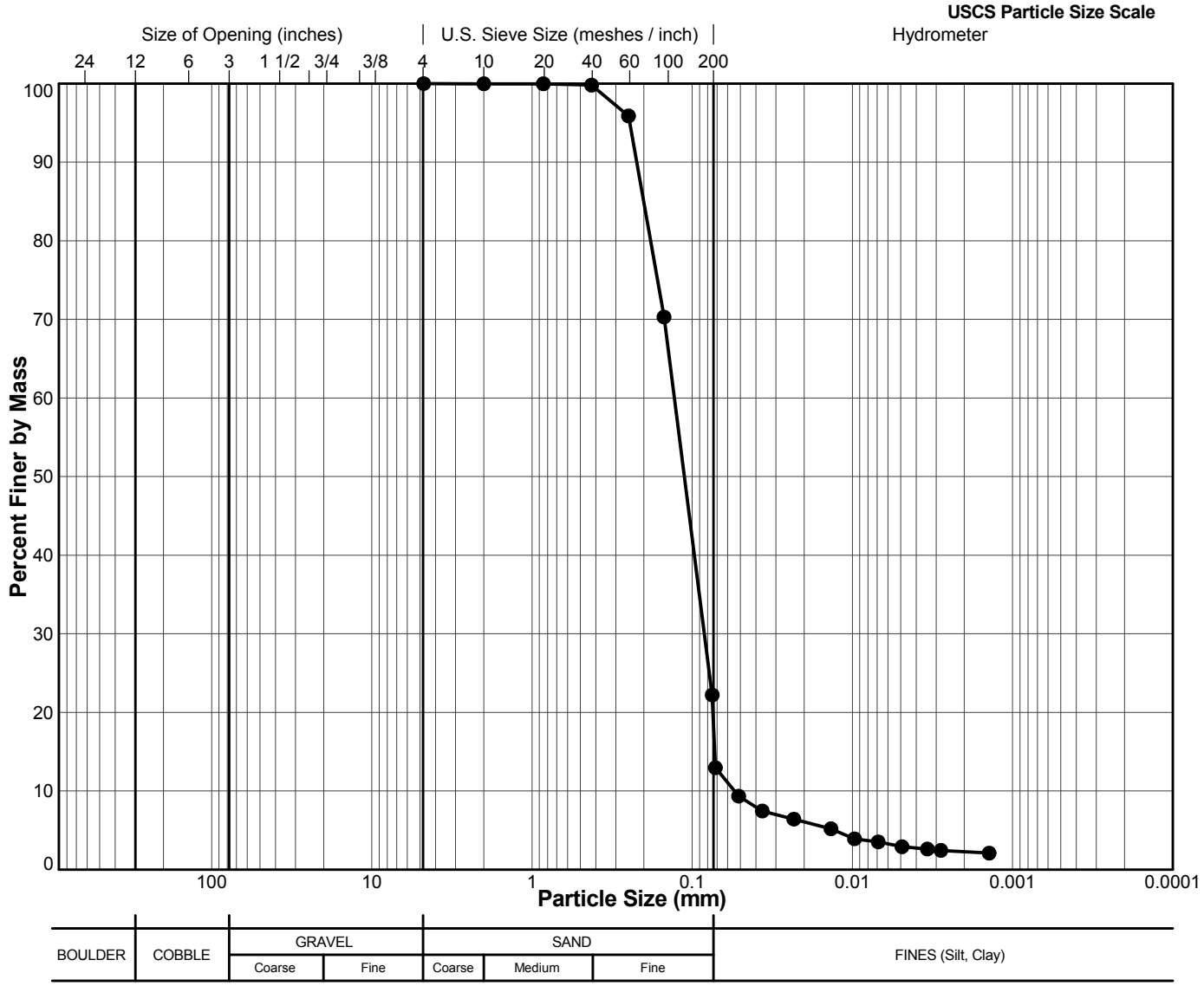
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.71 to 3.05
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 4.75	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/MM	5/22/2012	LP	5/31/2012
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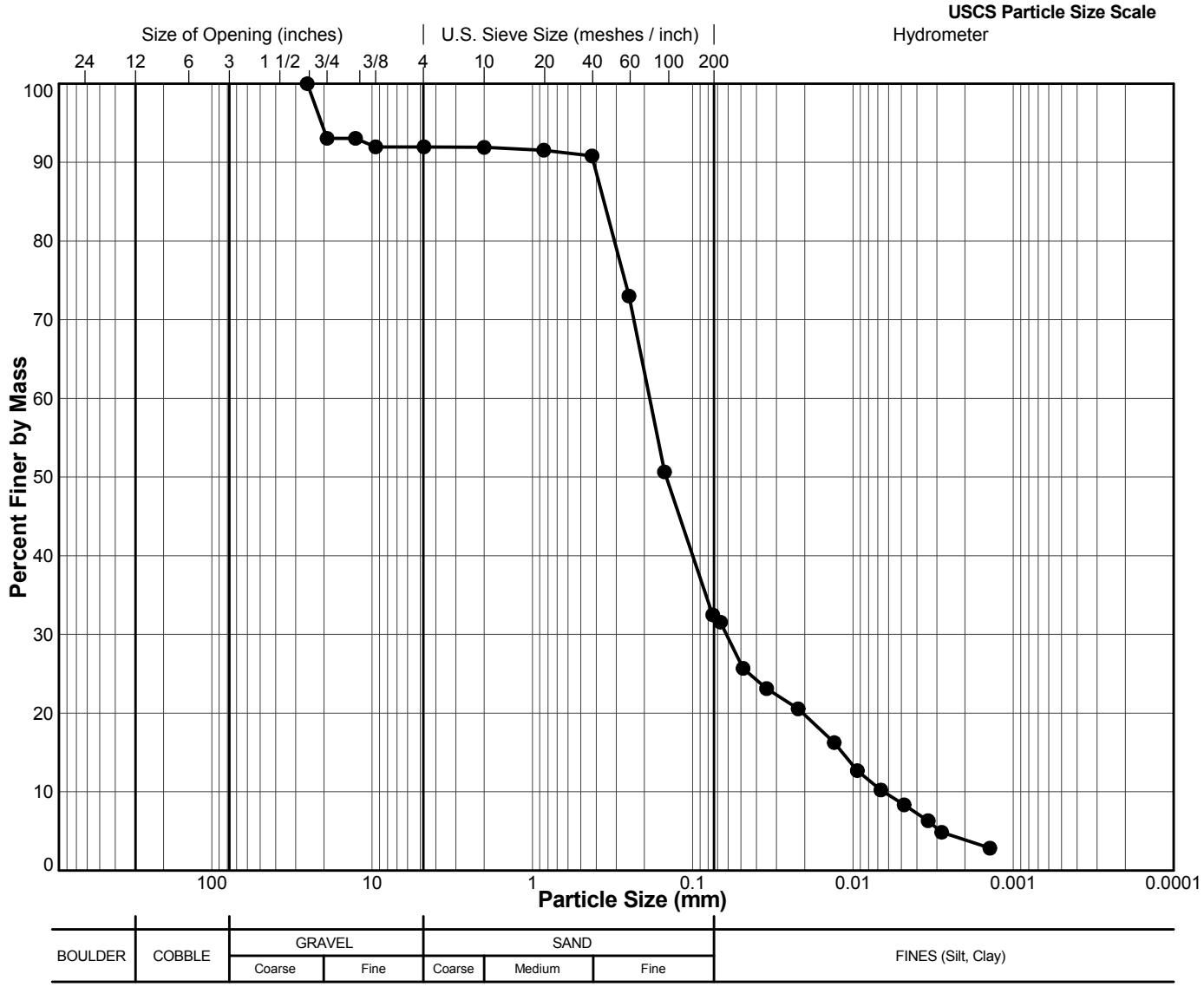
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-19**
Project: 2012 Drilling Program	**Sample No.: 5B**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.71 to 3.05
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/29/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

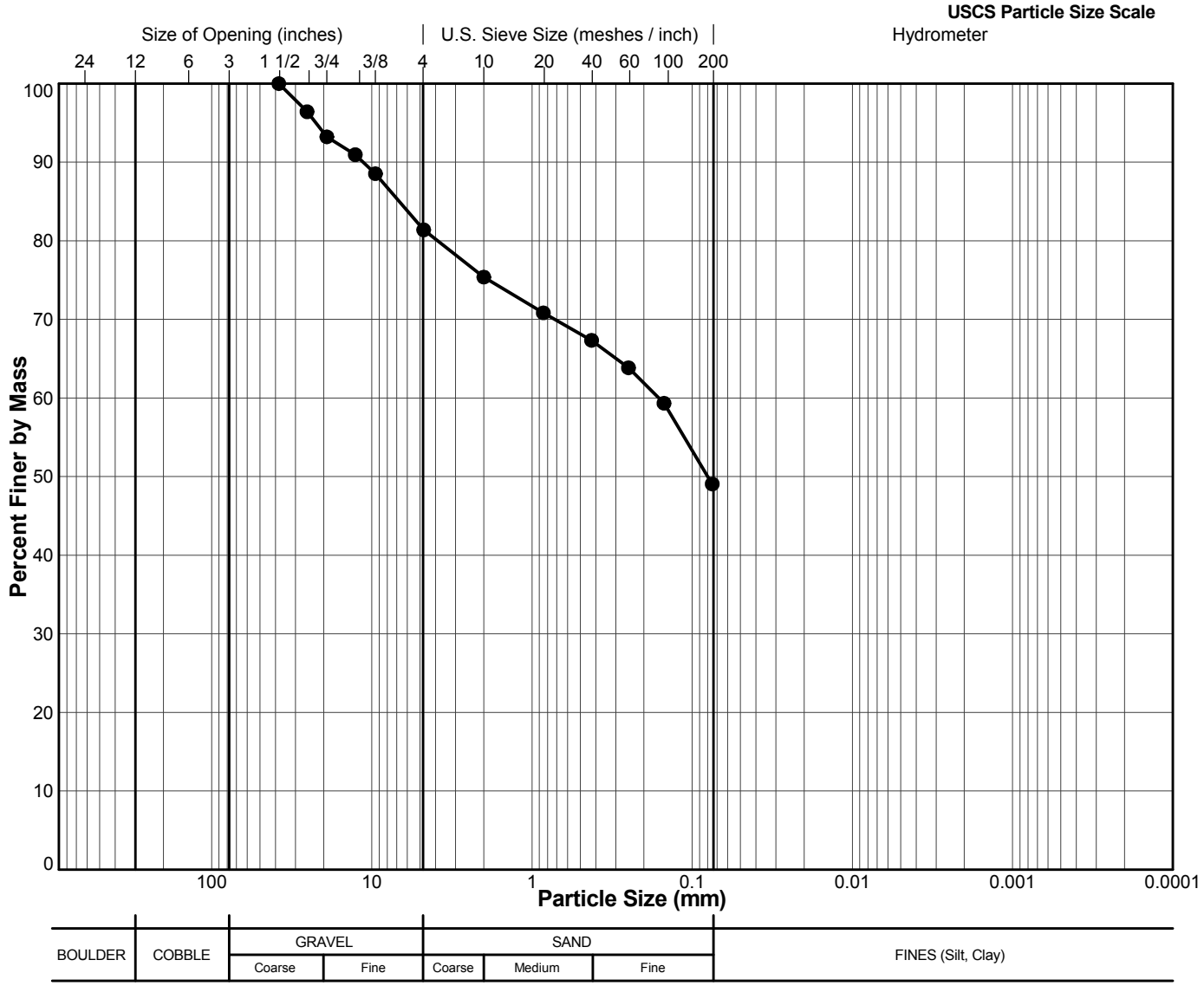
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-20**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 6.60 to 6.90
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



EB	**9/5/2012**	**LP**	**9/25/2012**
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PARTICLE SIZE ANALYSIS OF SOILS

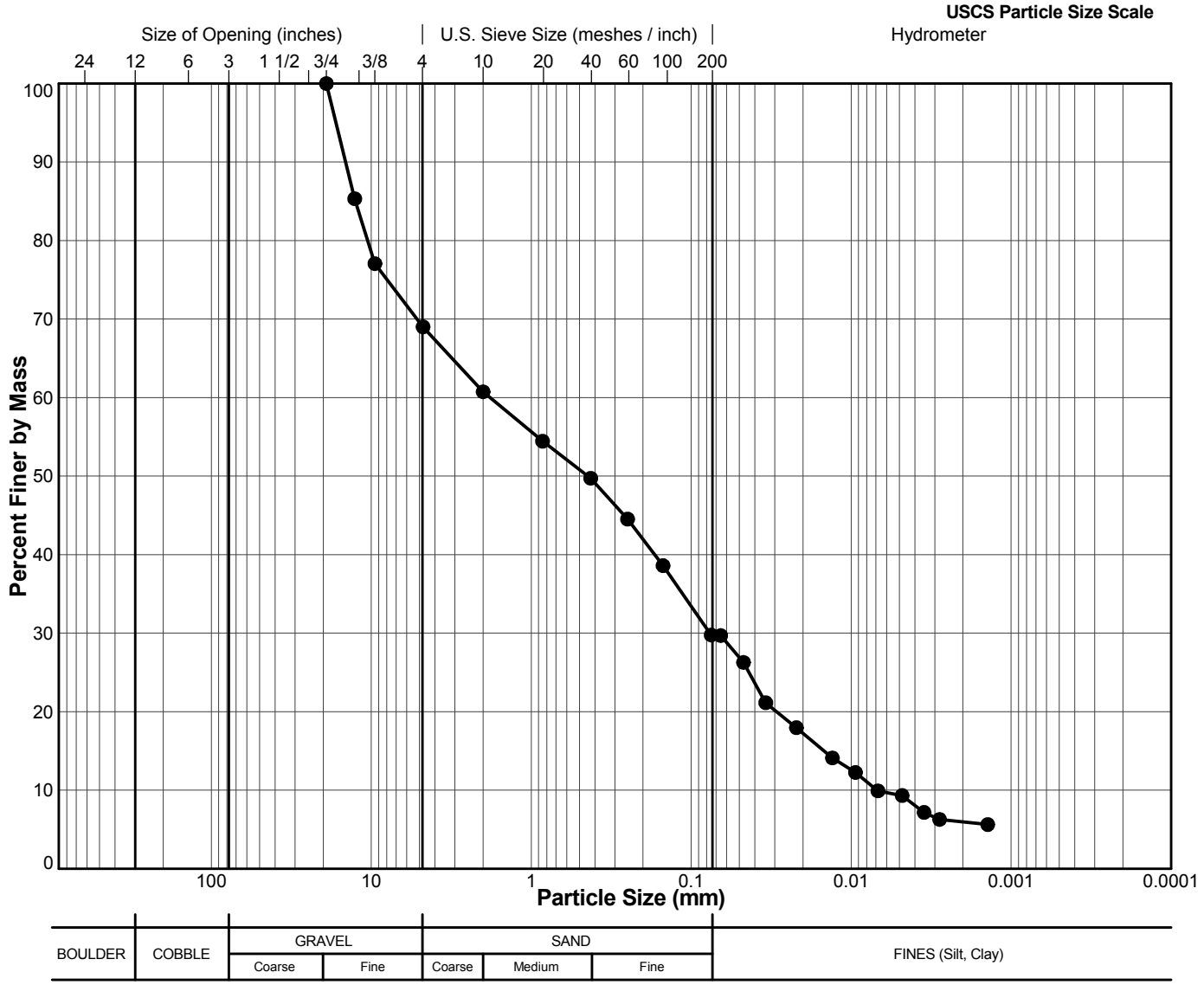
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-21**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.50 to 5.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



EB	**8/16/2012**	**LP**	**8/18/2012**
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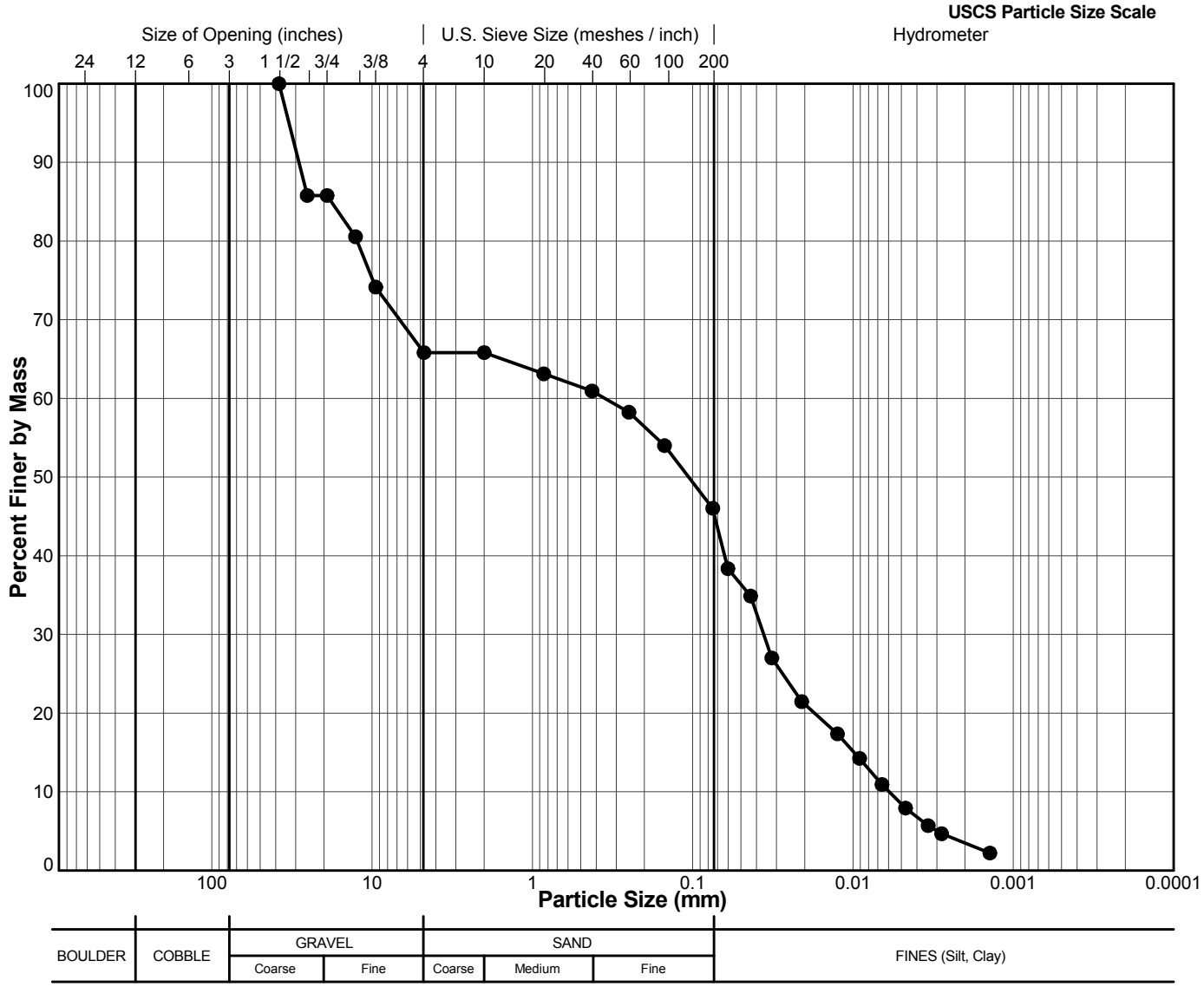
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-21**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.65 to 5.95
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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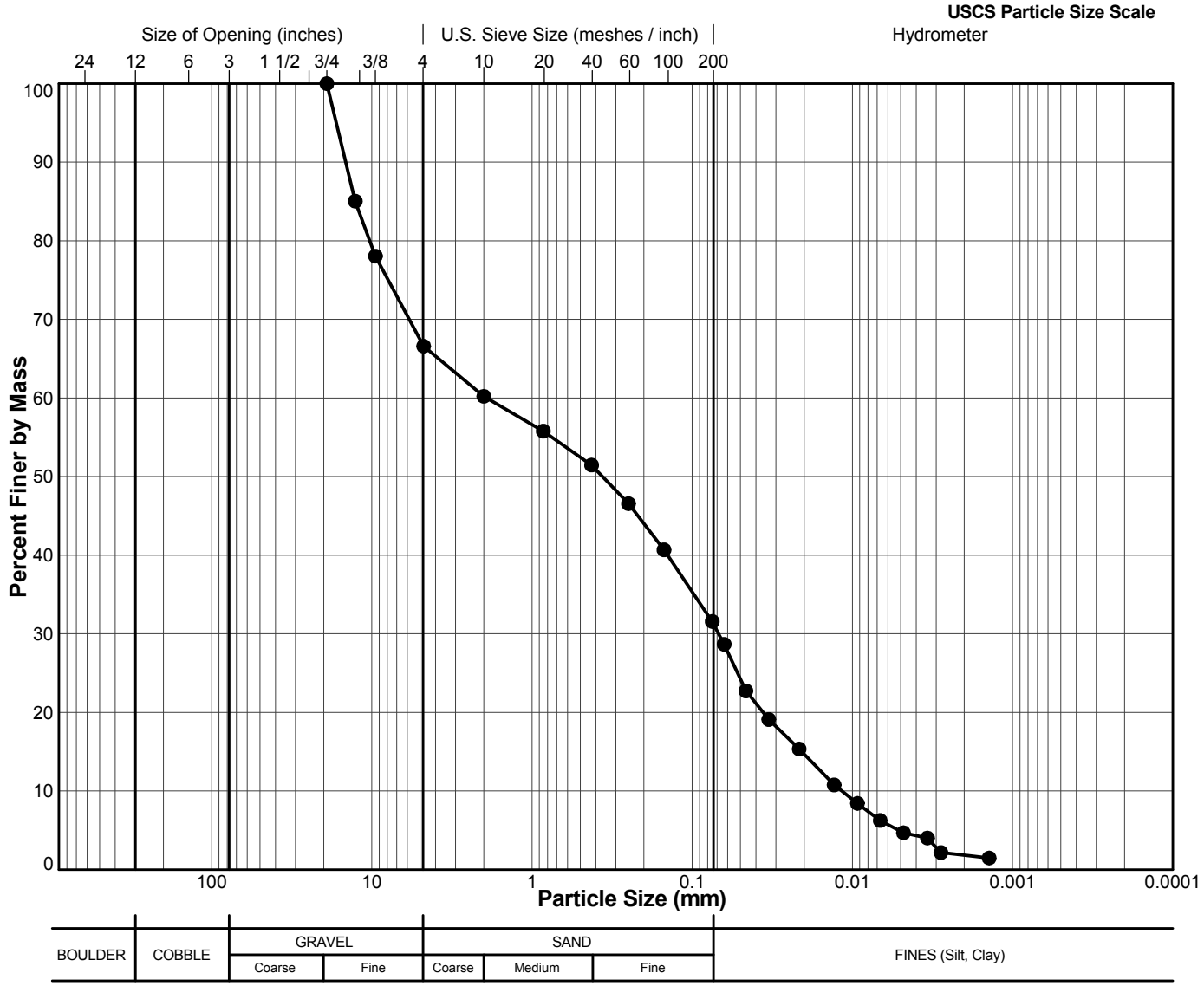
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-22**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.26 to 1.42
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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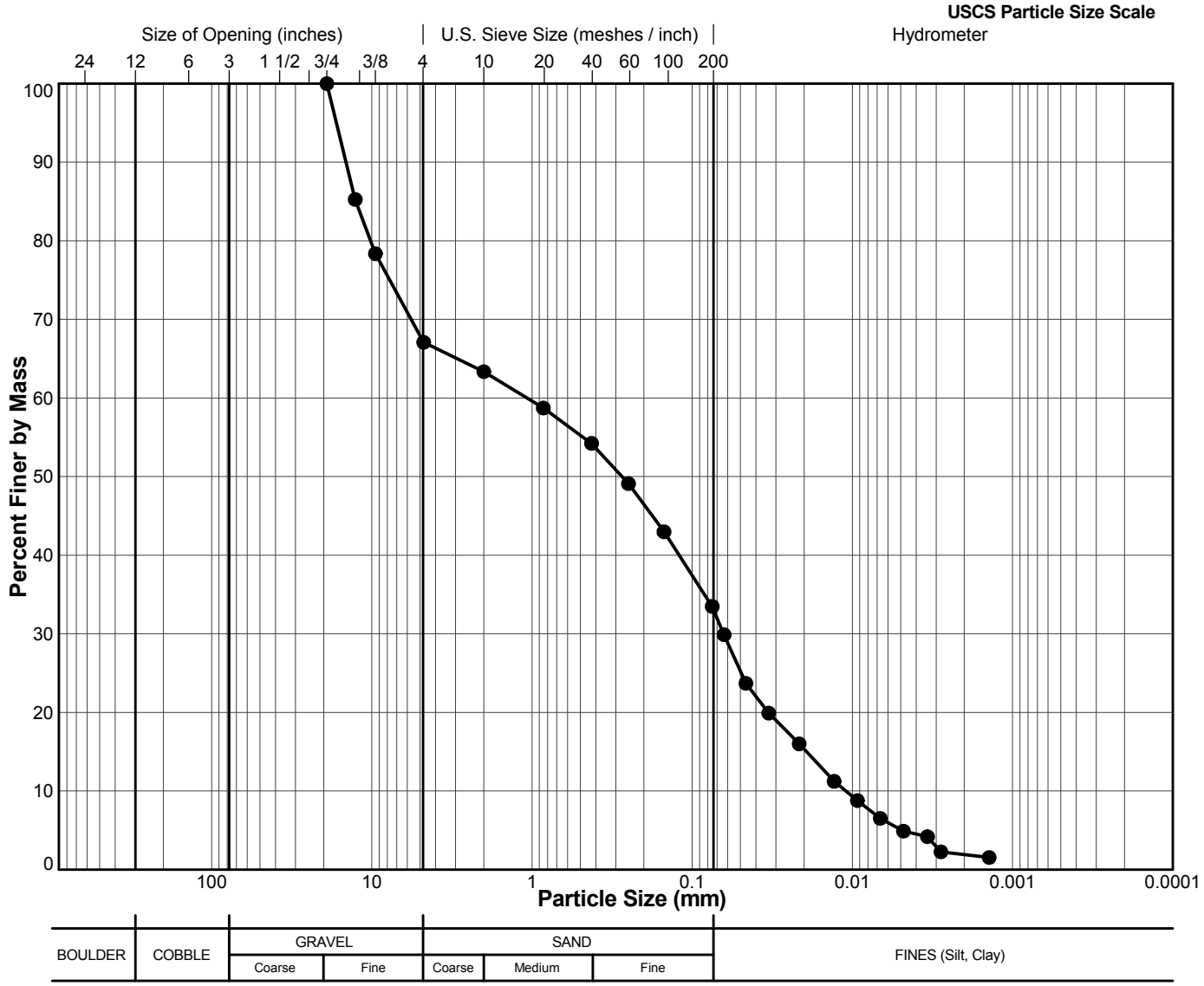
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-22**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.83 to 2.05
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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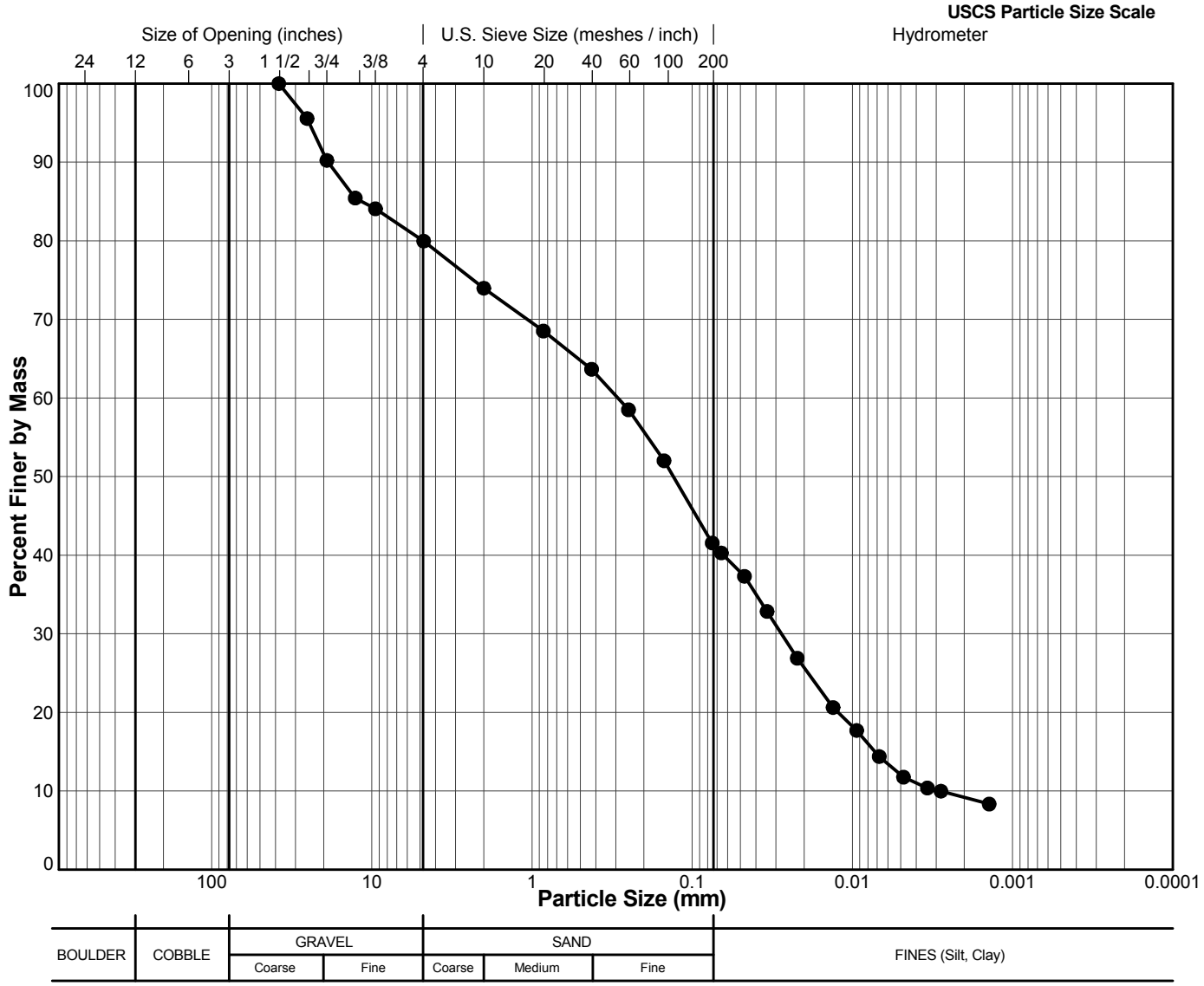
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-24**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.50 to 3.00
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



EB	**8/16/2012**	**LP**	**8/18/2012**
Tech	Date	Checked	Date

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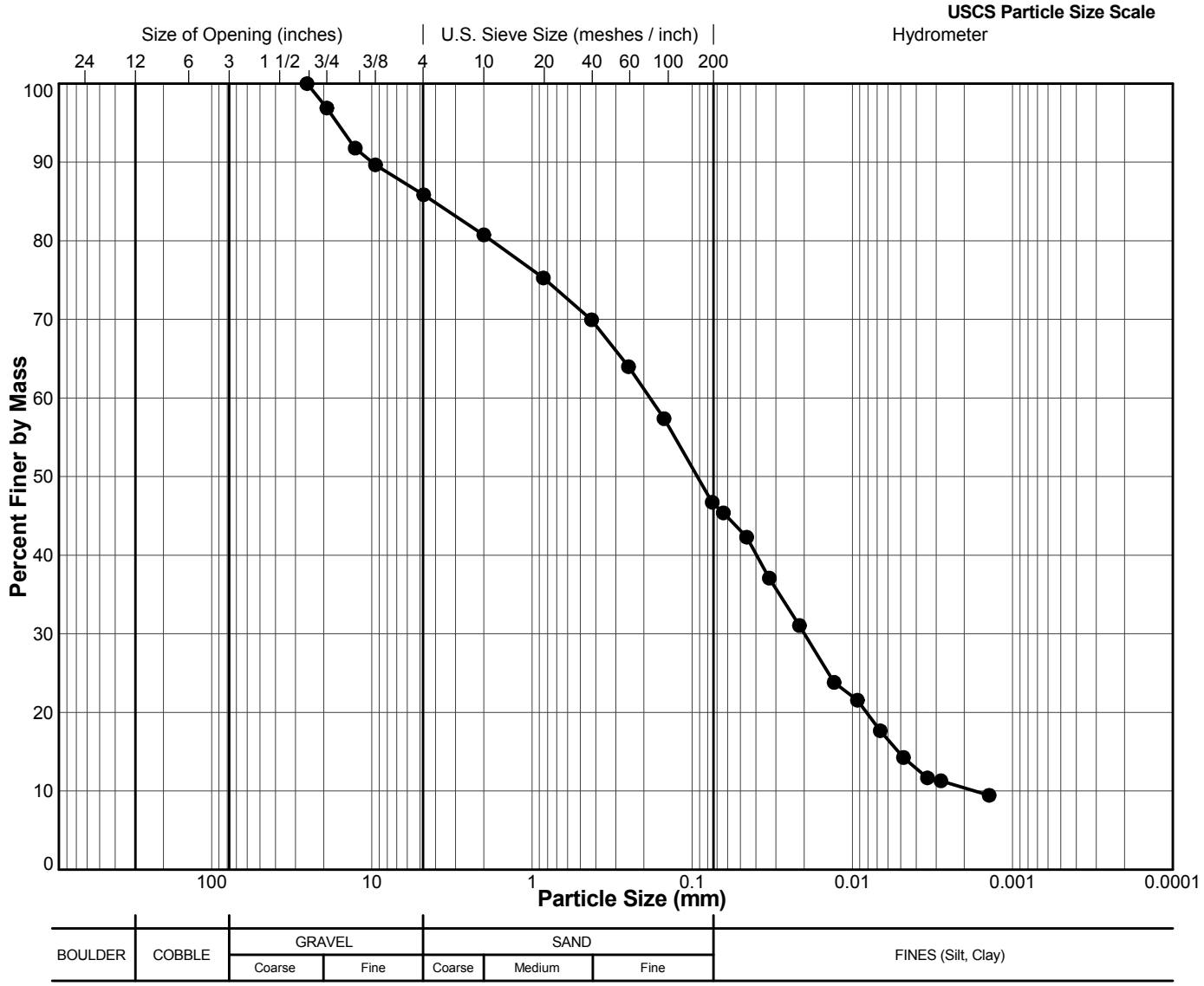
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-24**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.90 to 5.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



EB	**8/16/2012**	**LP**	**8/18/2012**
Tech	Date	Checked	Date

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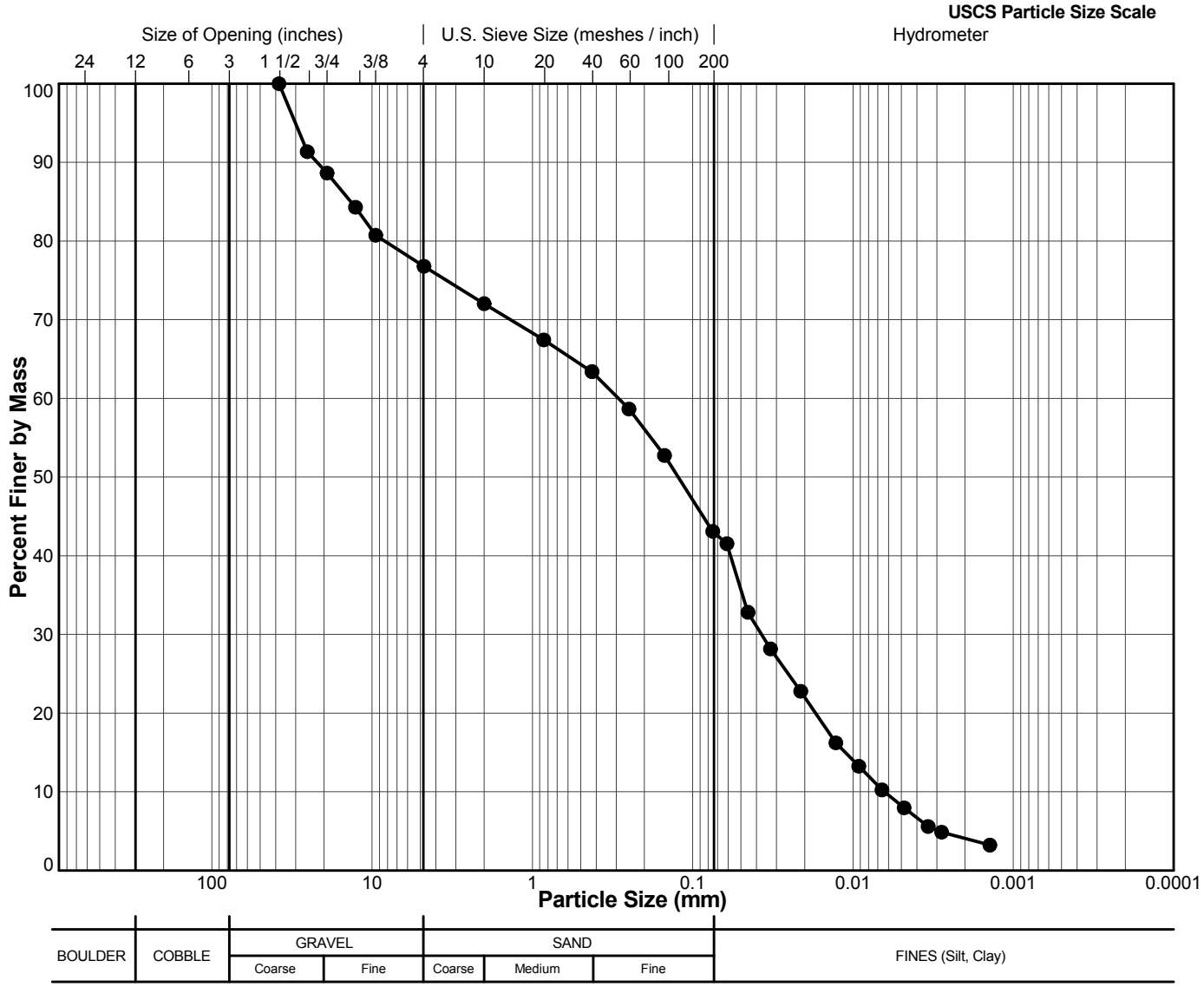
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-24**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 5.90 to 6.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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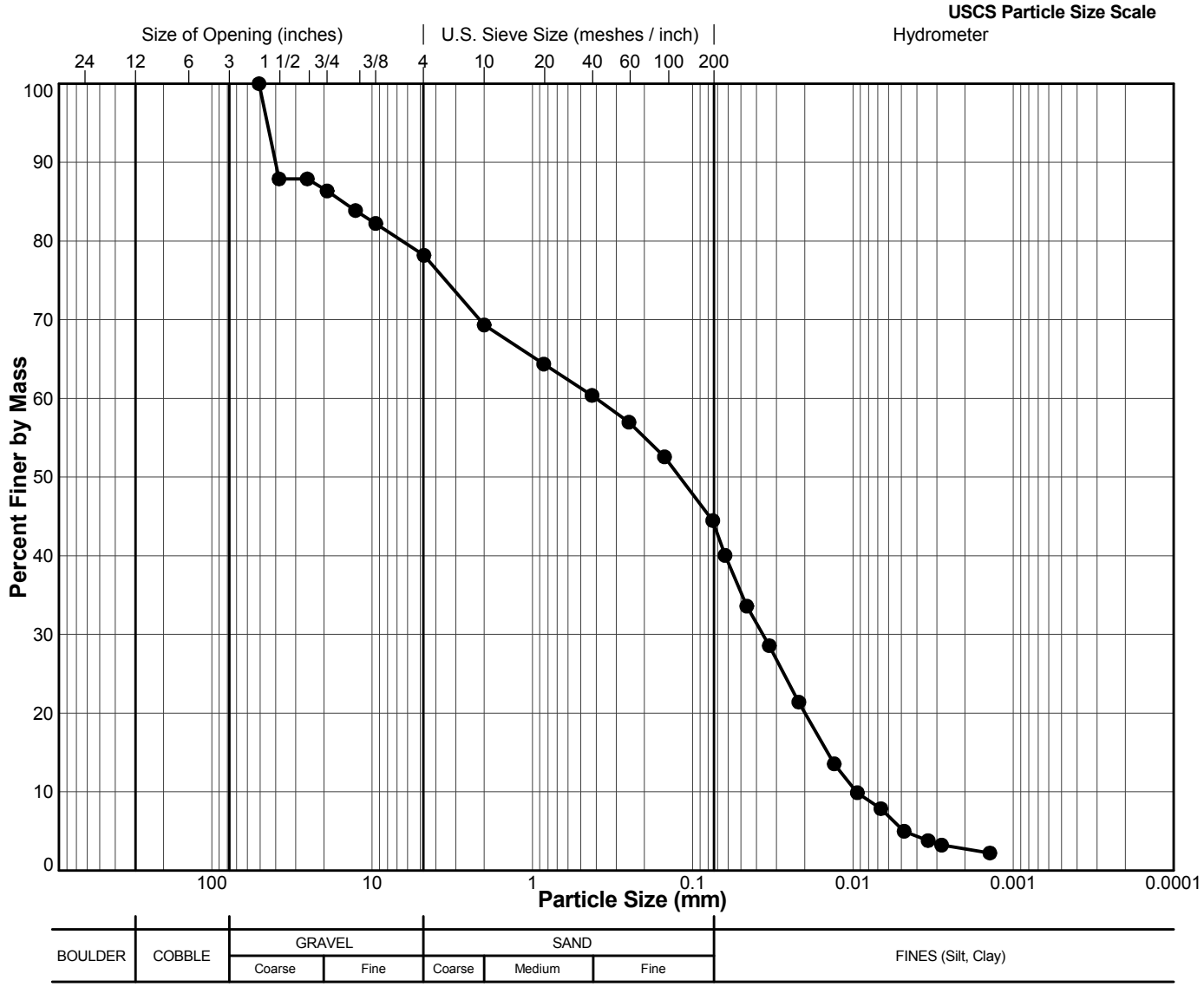
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-24**
Project: 2012 Drilling Program	**Sample No.: 7**
Location: Meliadine Gold Project	**Depth Interval (m):** 8.50 to 8.90
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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PARTICLE SIZE ANALYSIS OF SOILS

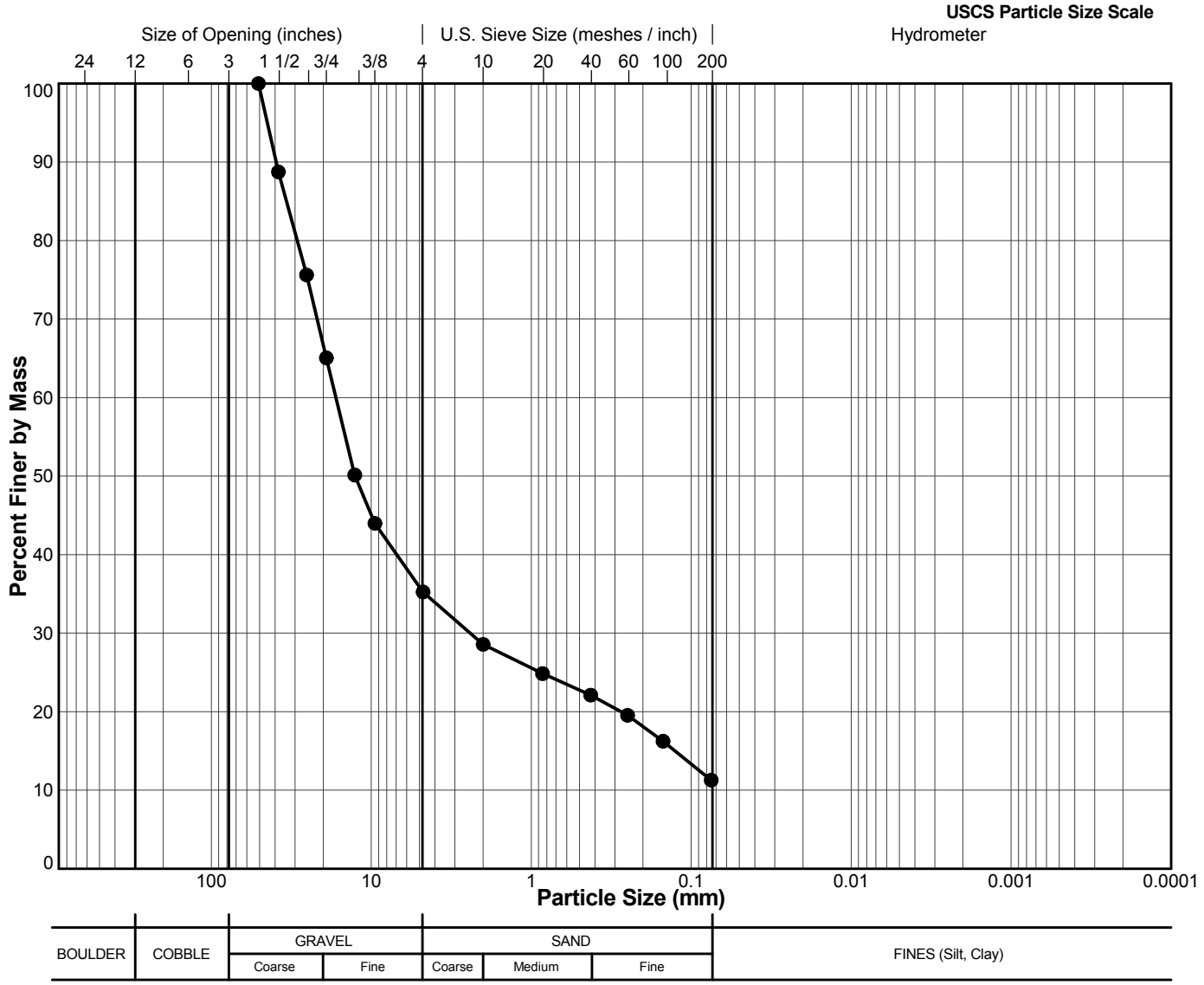
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-25**
Project: 2012 Drilling Program	**Sample No.: 1+2 Combined**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.00 to 3.75
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Split, Washed



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PARTICLE SIZE ANALYSIS OF SOILS

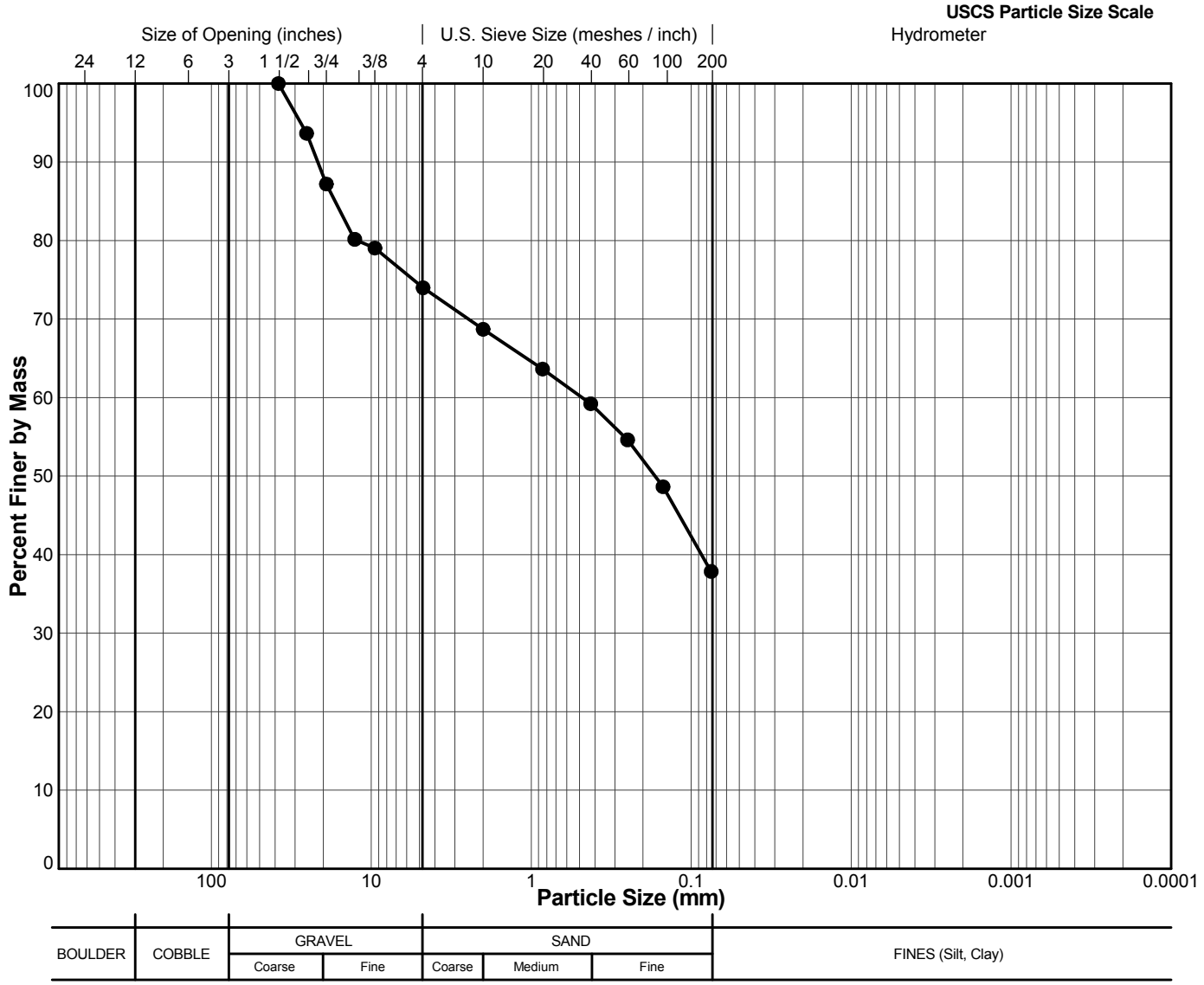
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-25**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.75 to 4.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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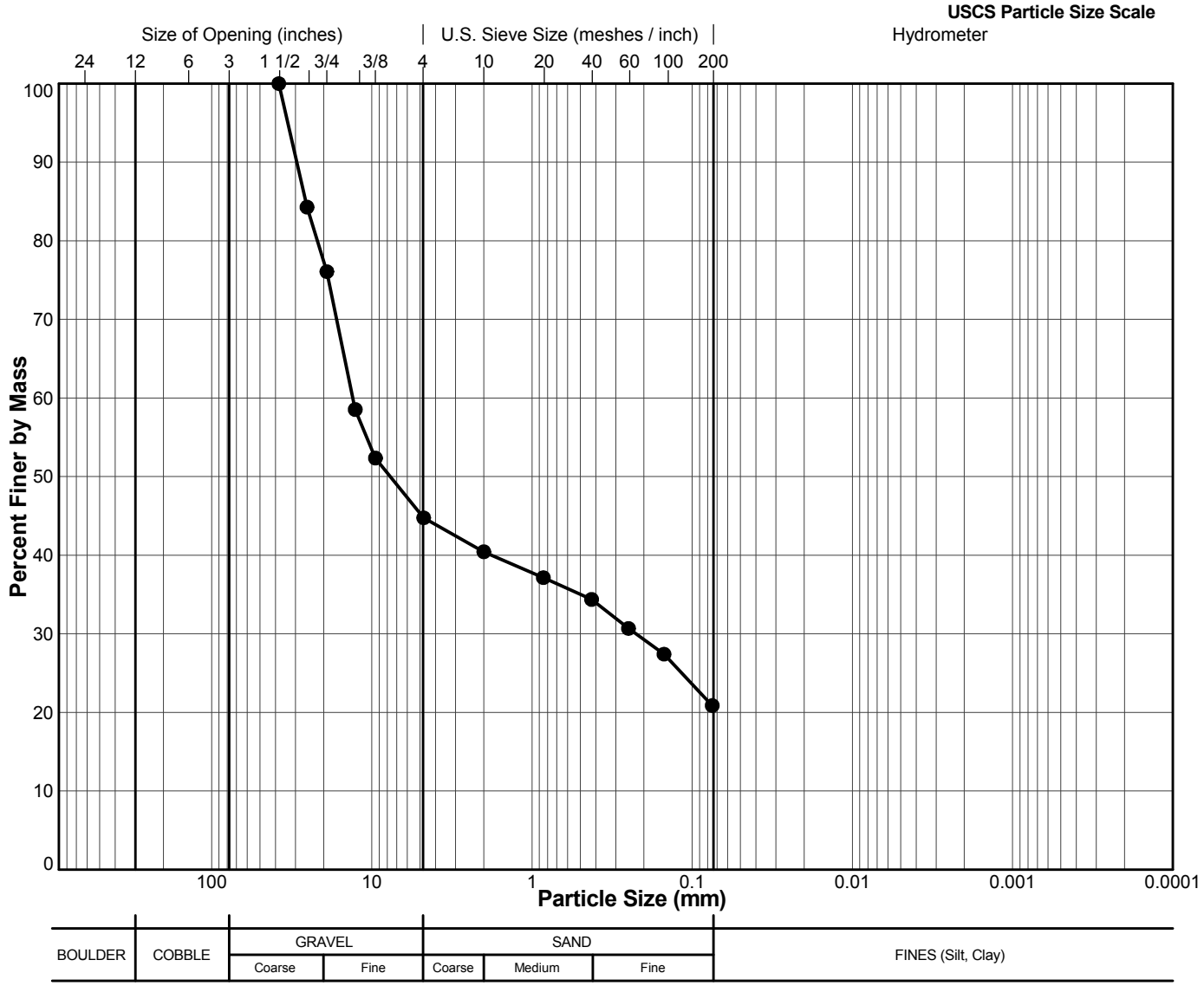
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-25**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 4.30 to 4.75
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



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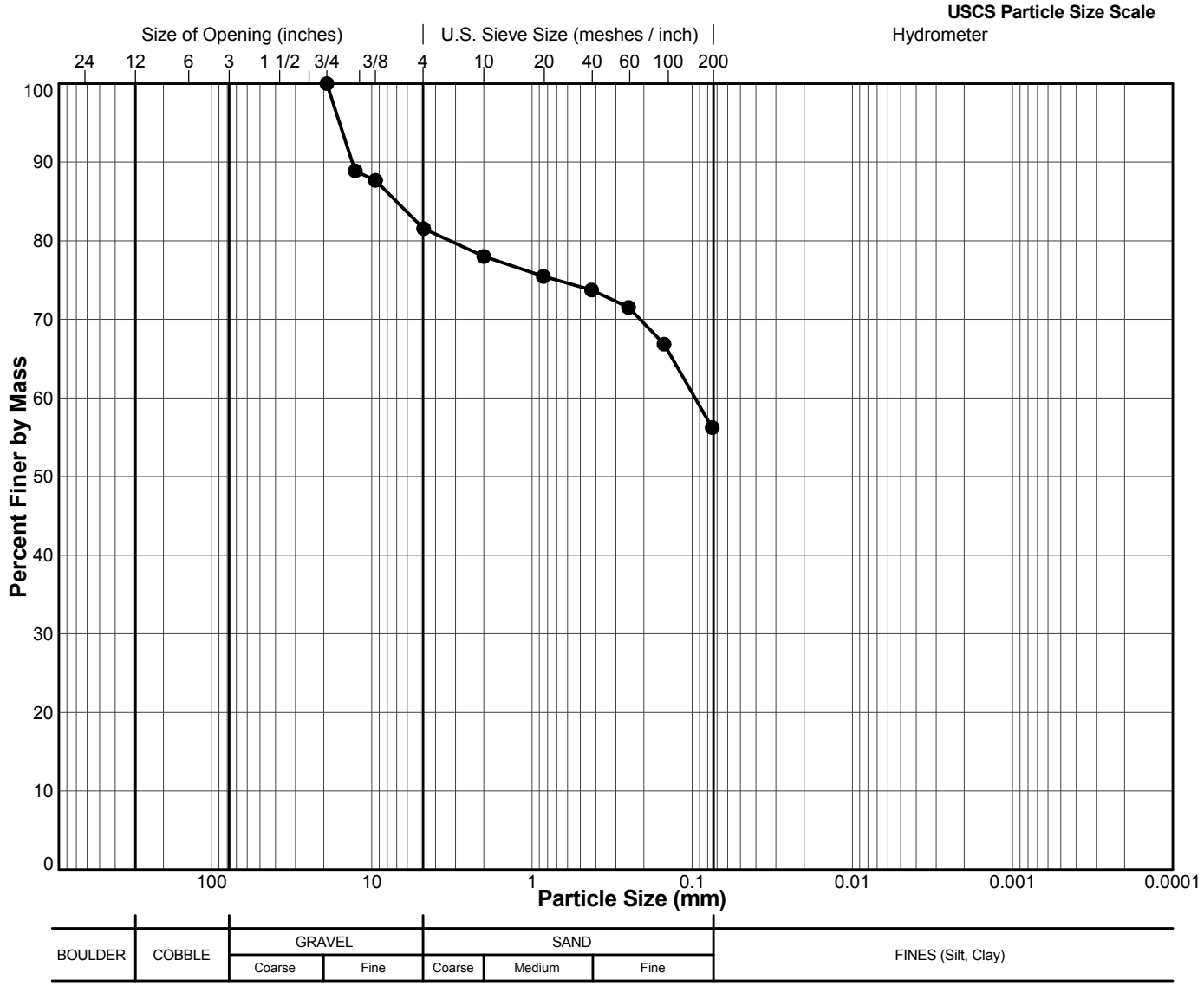
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-26**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 6.20 to 6.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	
Method: Split, Washed	



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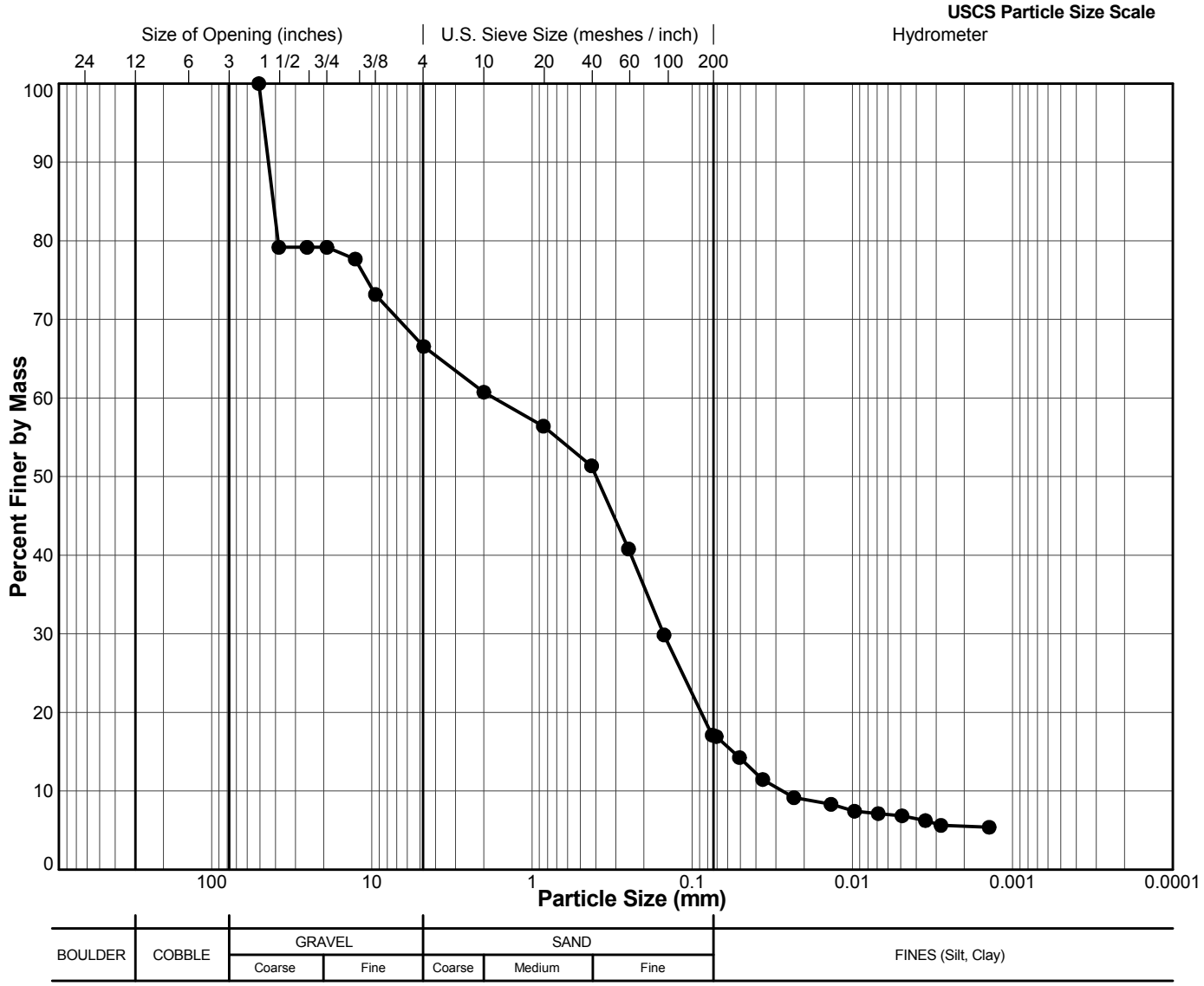
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-27**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.34 to 2.56
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	5/24/2012	LP	5/31/2012
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

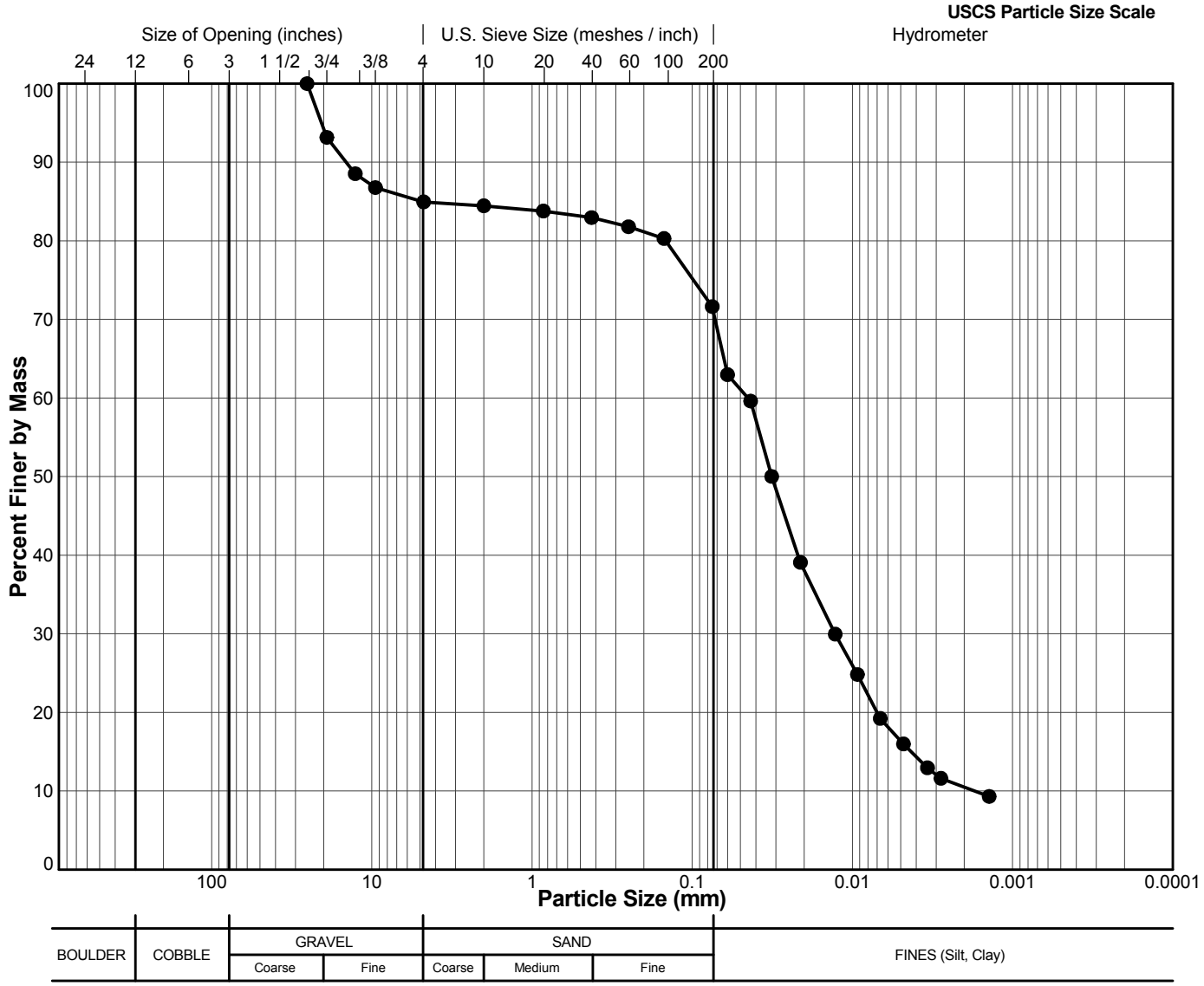
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-27**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.56 to 2.85
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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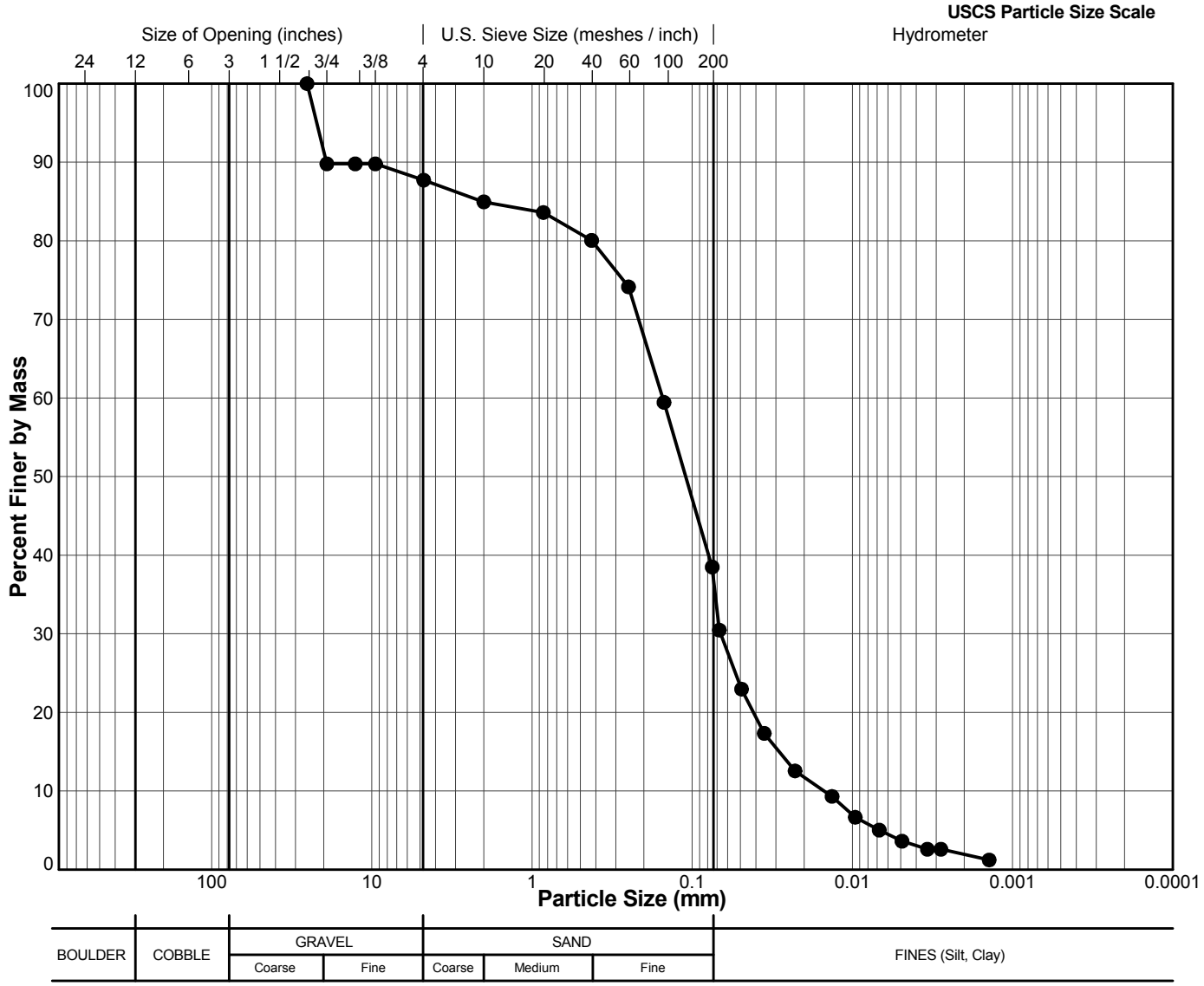
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-28**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.00 to 2.16
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-28**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.16 to 2.80
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
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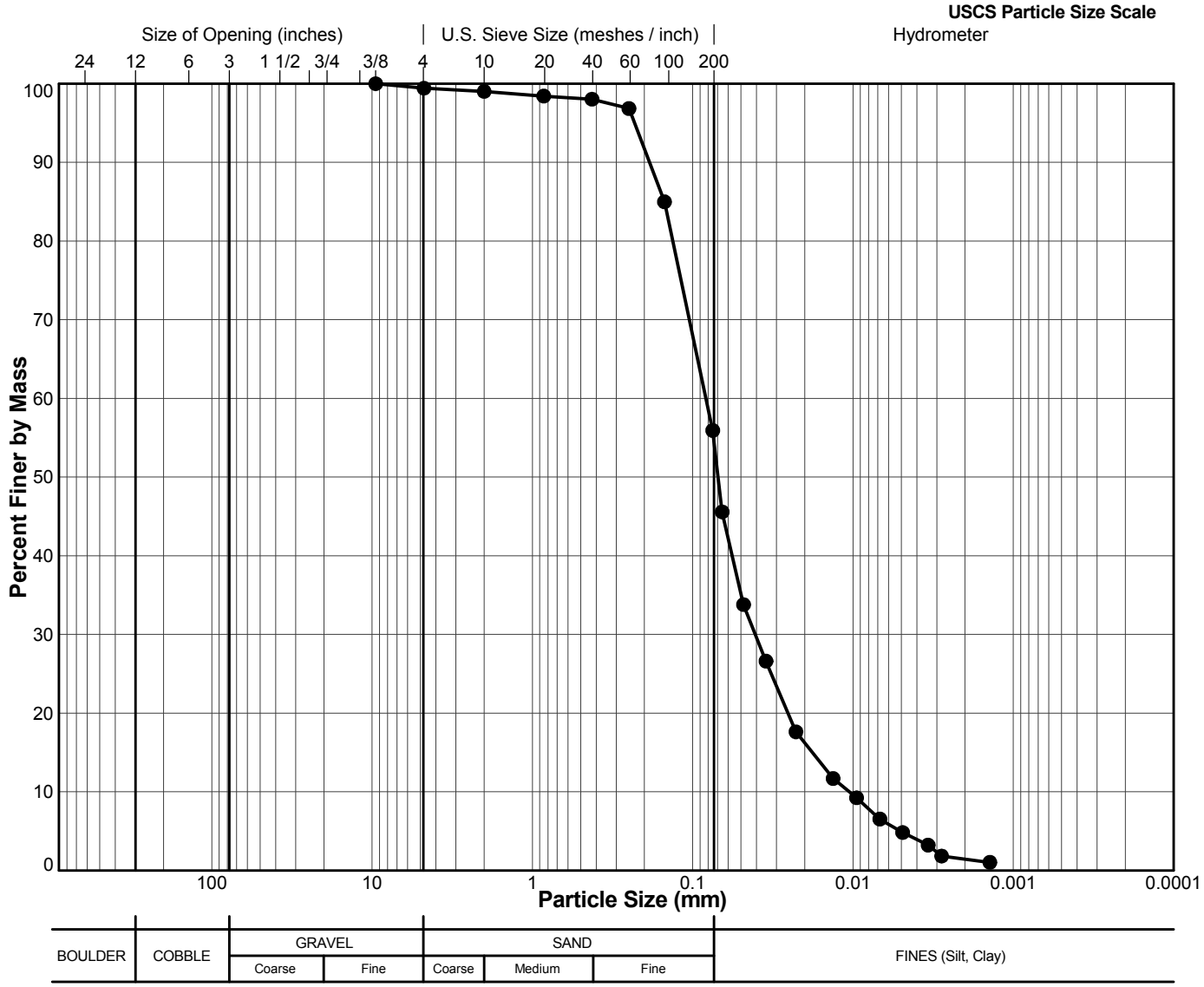

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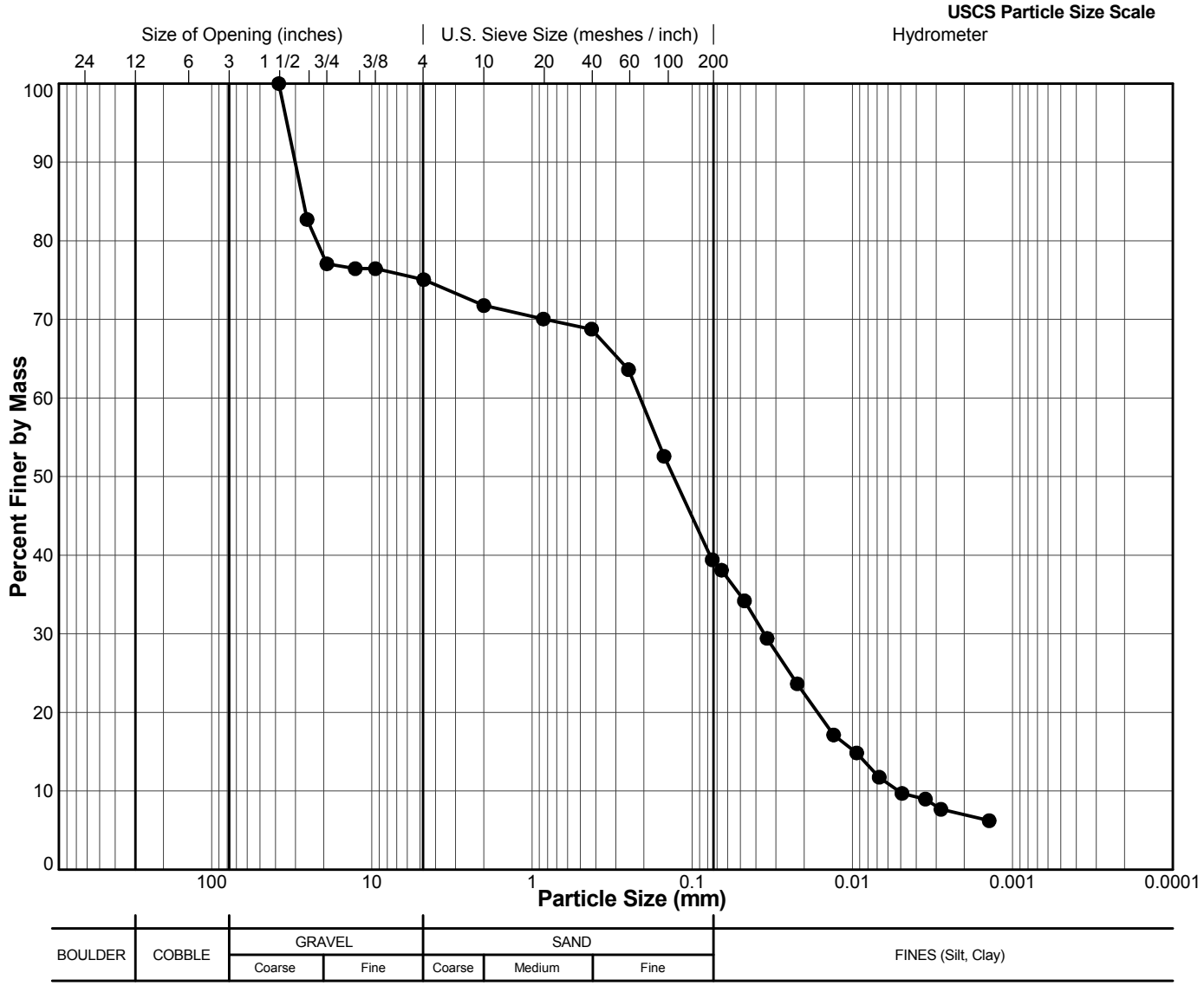
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-28**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.80 to 3.15
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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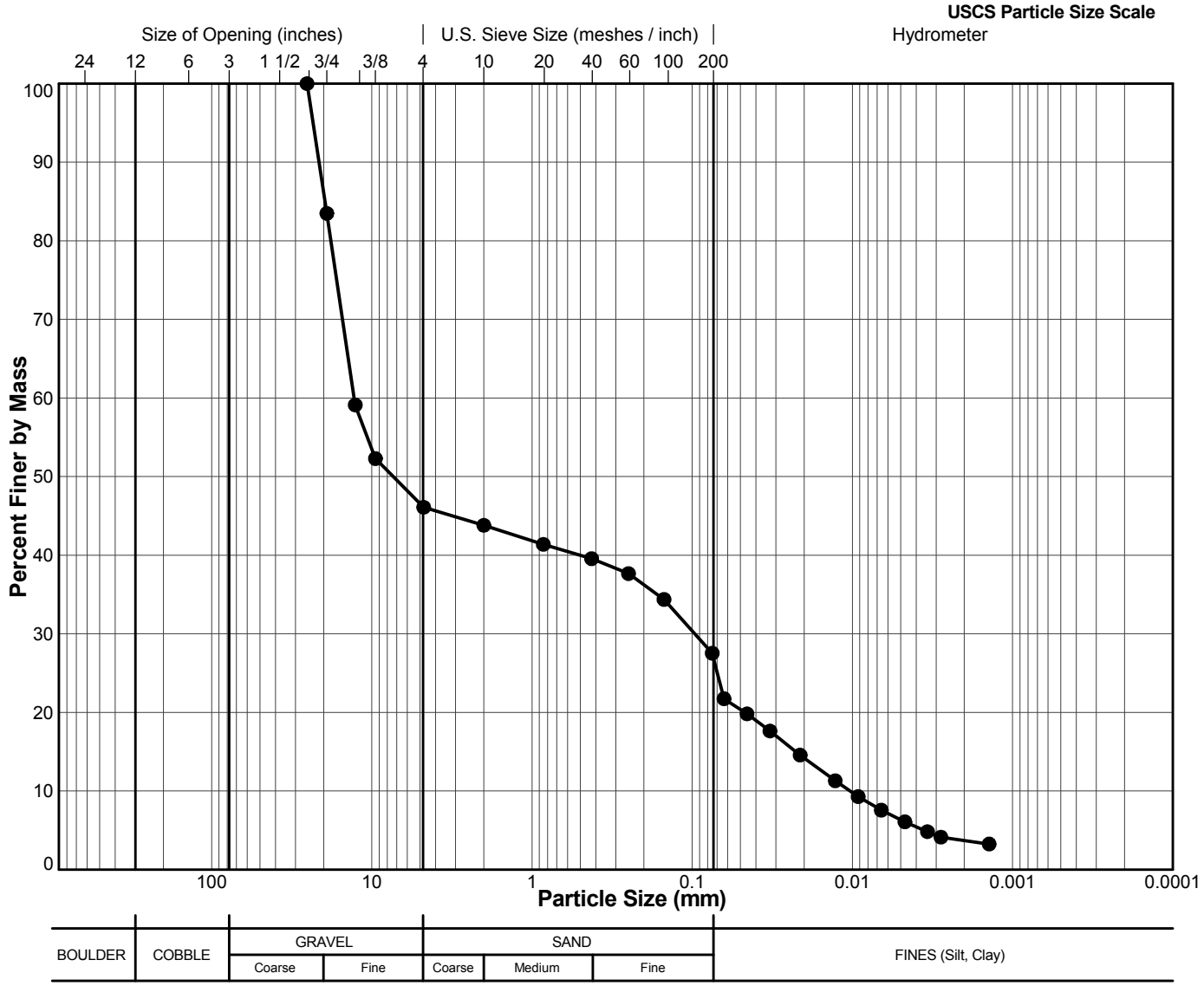
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-29**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.47 to 1.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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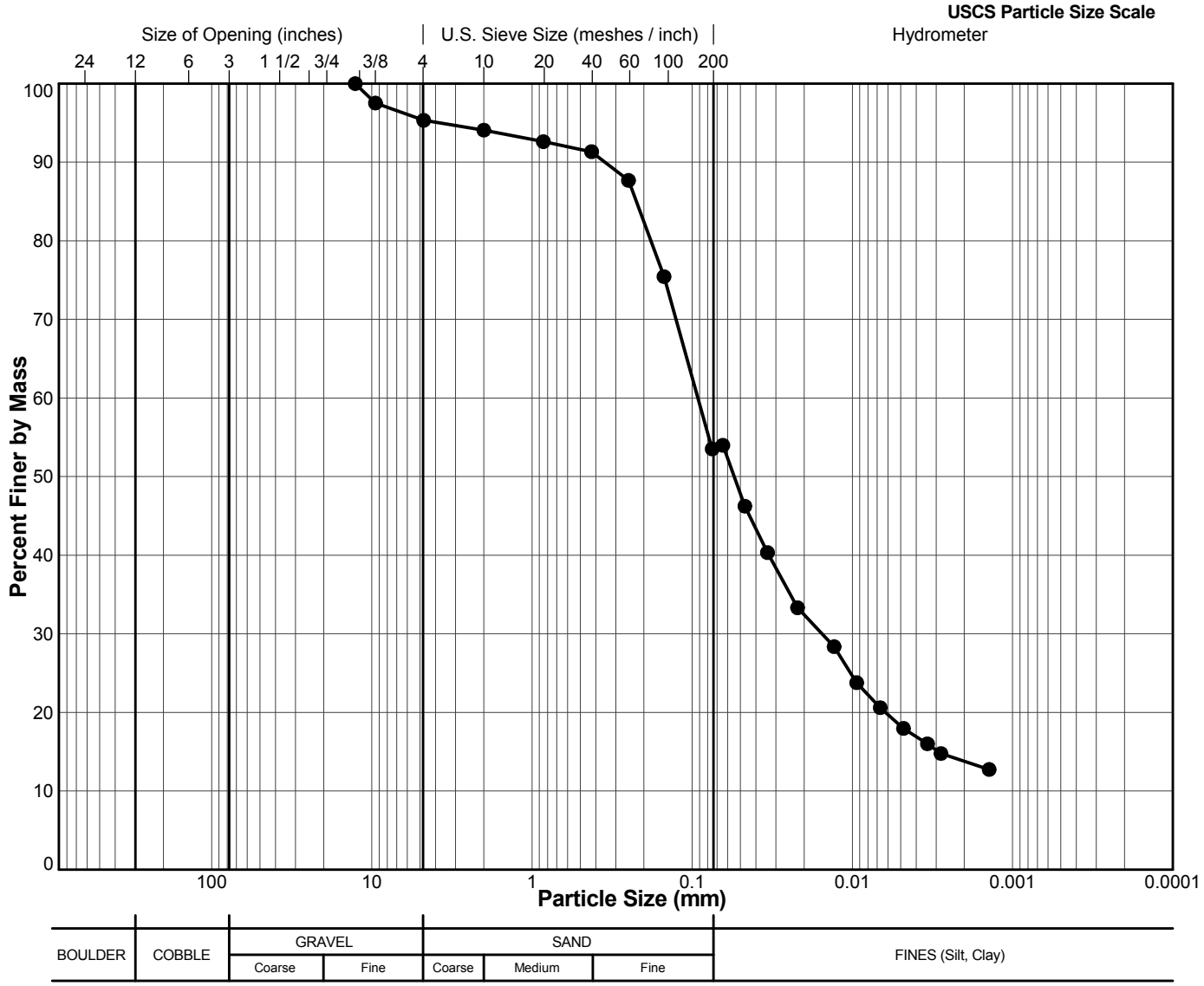
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-29**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.50 to 1.97
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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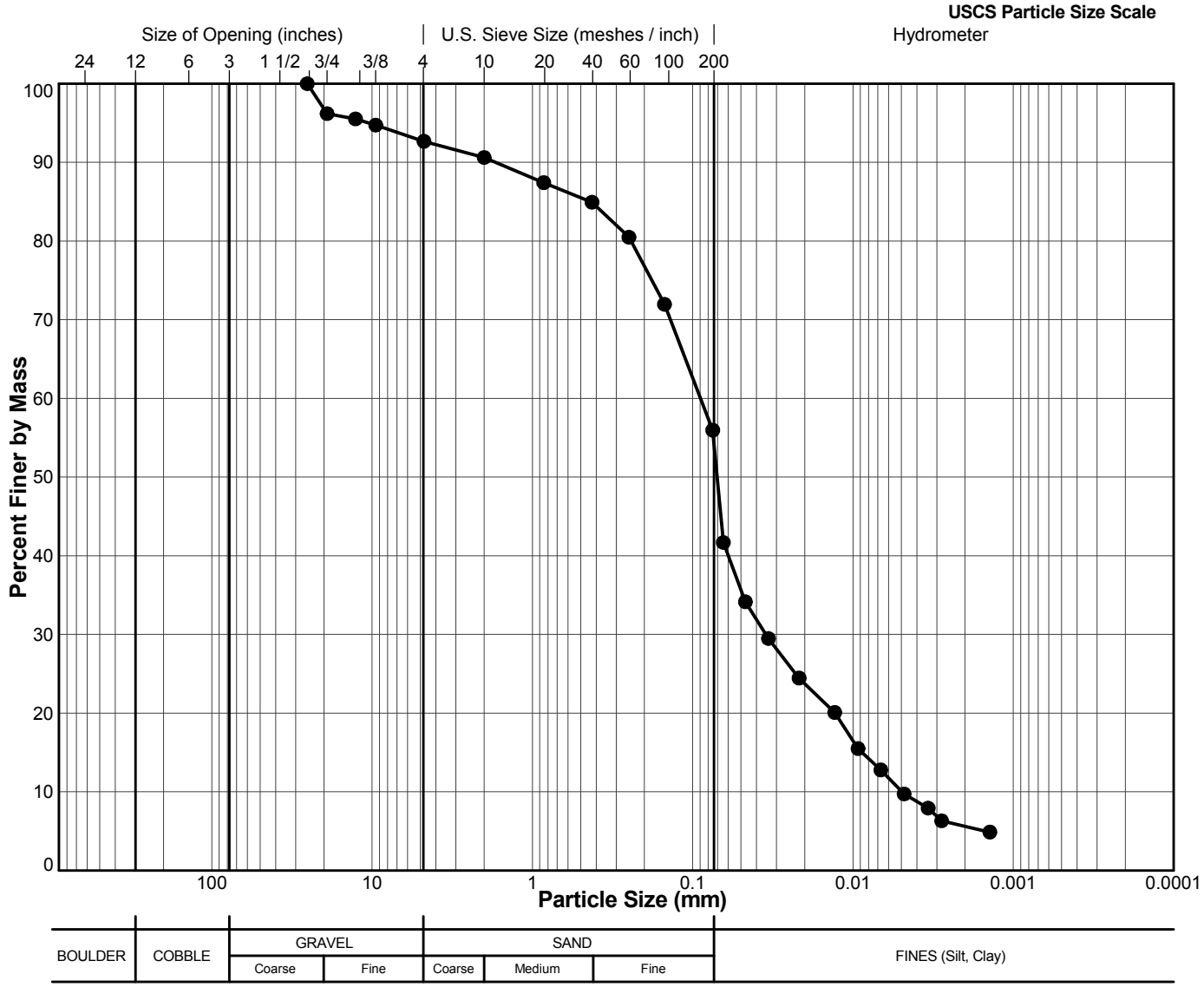
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-29**
Project: 2012 Drilling Program	**Sample No.: 2B**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.50 to 1.97
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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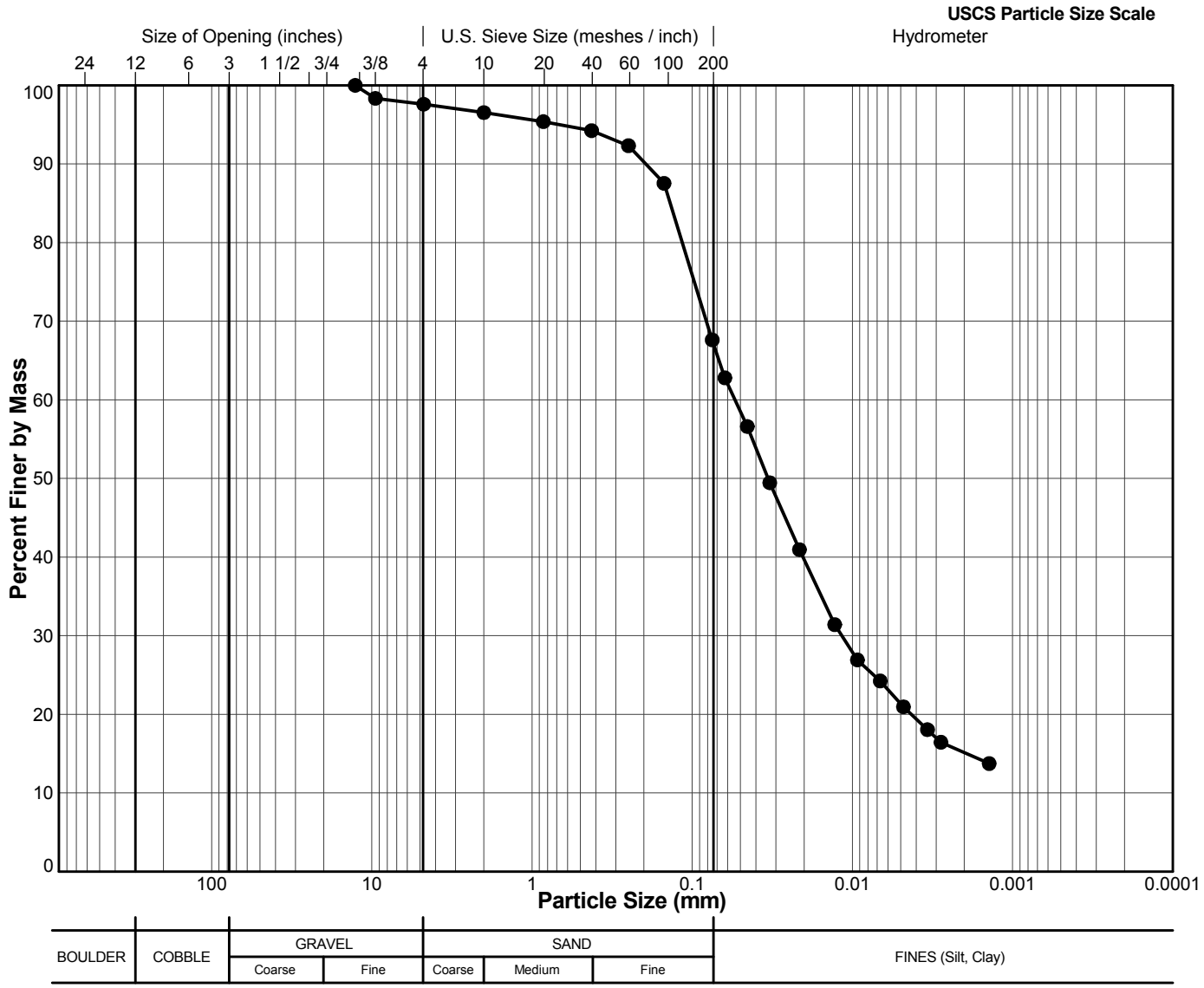
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-29**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.25 to 2.44
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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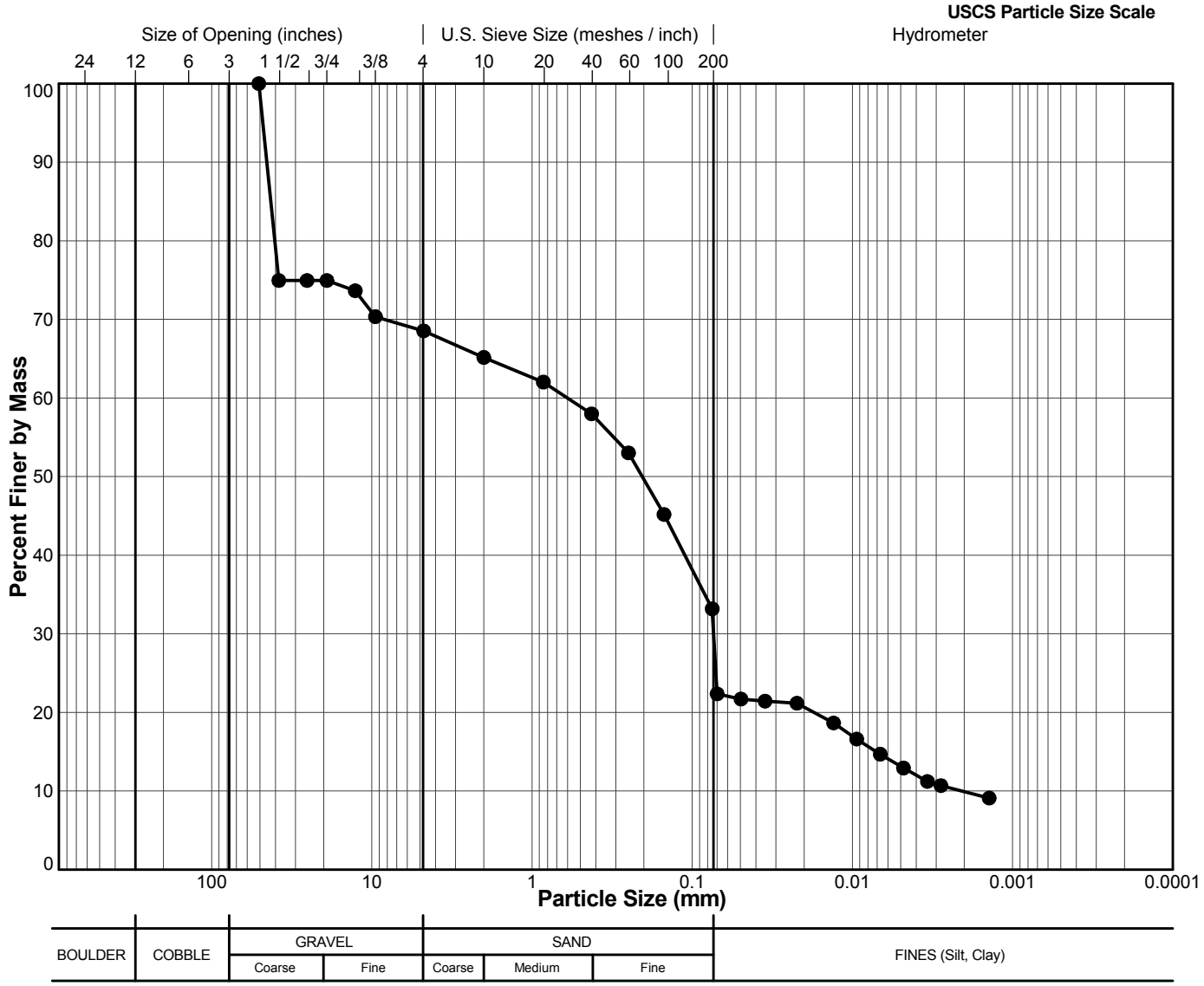
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-29**
Project: 2012 Drilling Program	**Sample No.: 3B**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.25 to 2.44
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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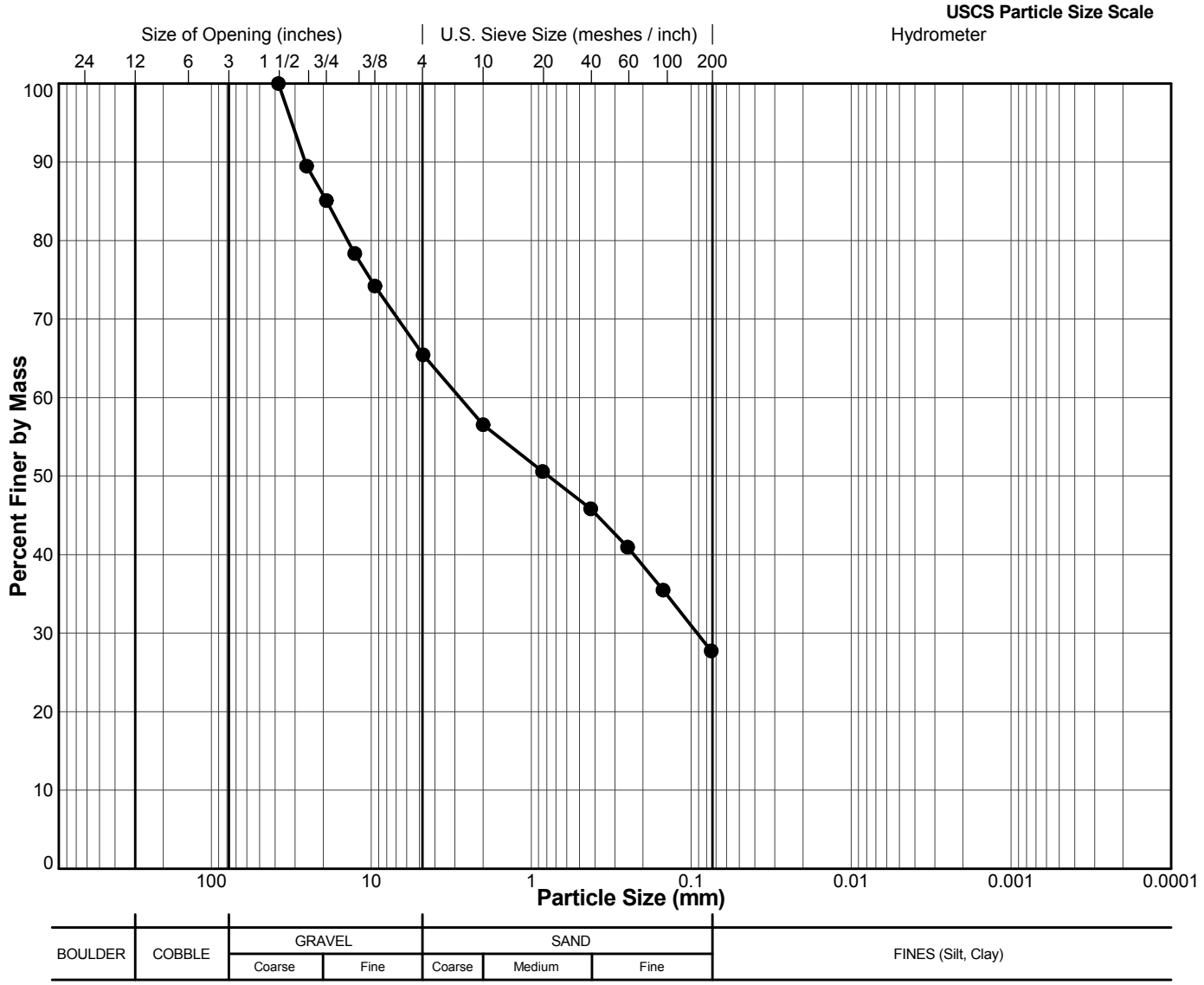
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-30**
Project:	2012 Drilling Program	**Sample No.: 1**
Location:	Meliadine Gold Project	**Depth Interval (m):** 0.60 to 1.30
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



EB	**8/7/2012**	**LP**	**8/17/2012**
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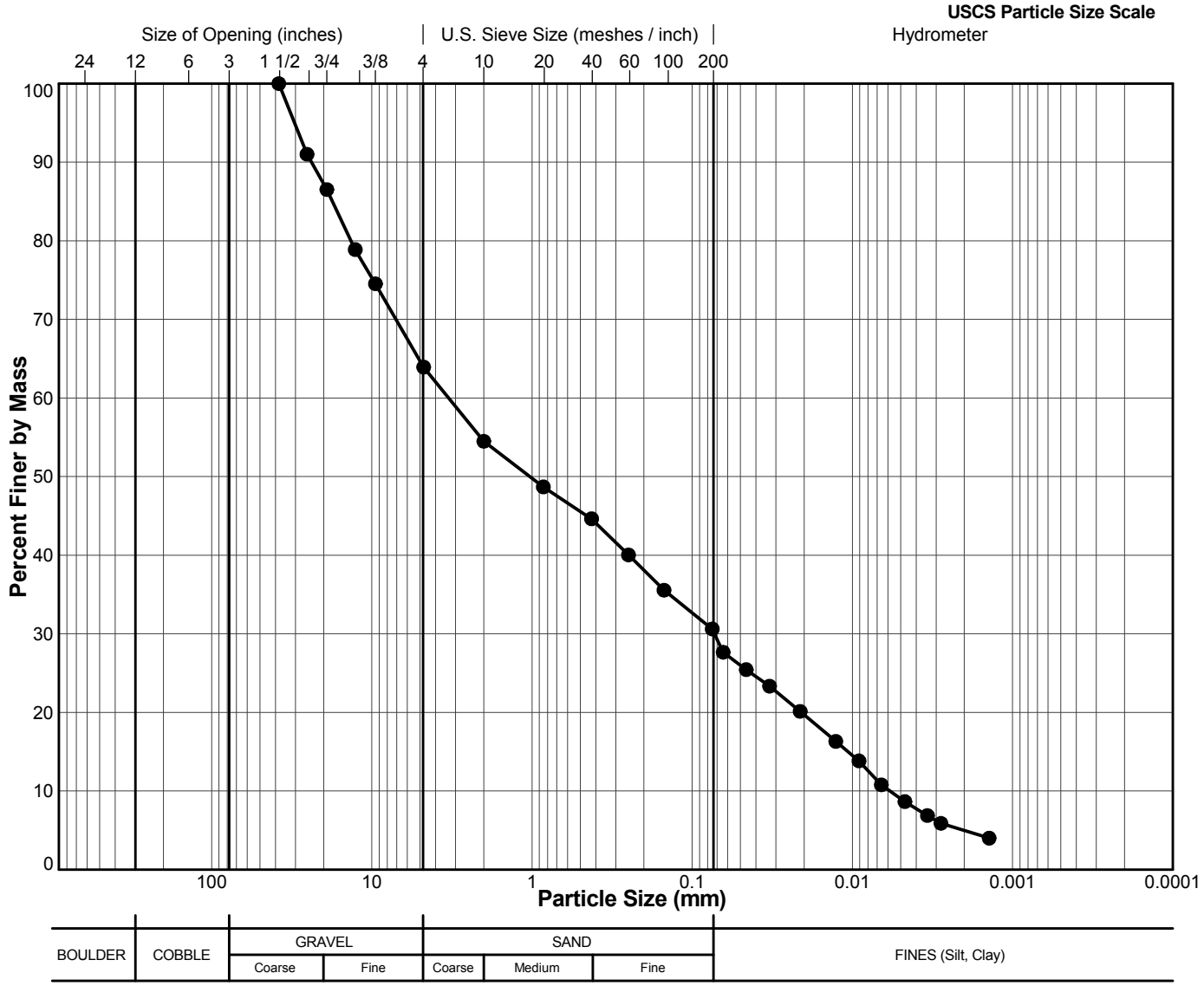
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-31**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.20 to 1.40
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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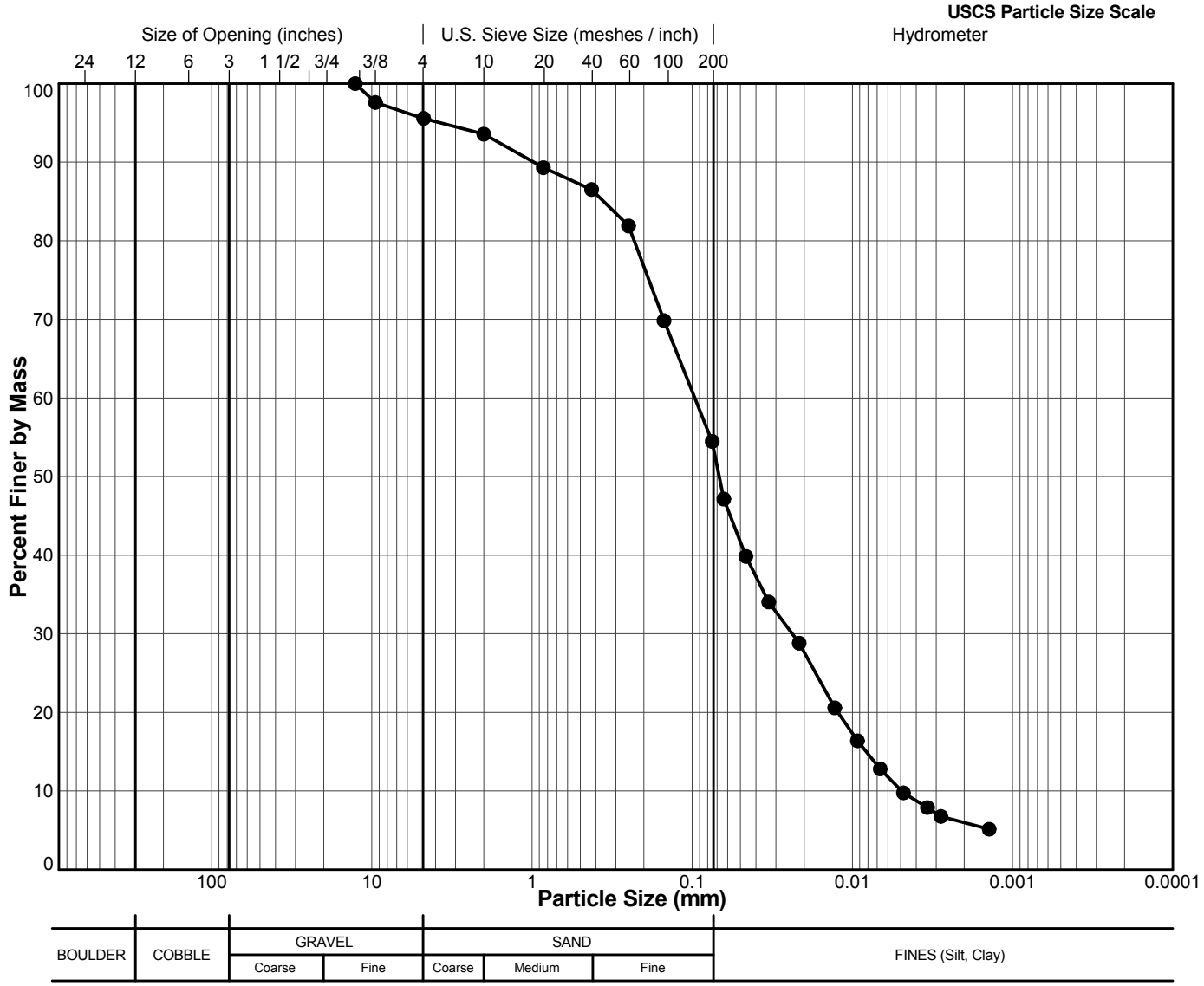
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-31**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.50 to 1.80
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/24/2012**	**LP**	**5/31/2012**
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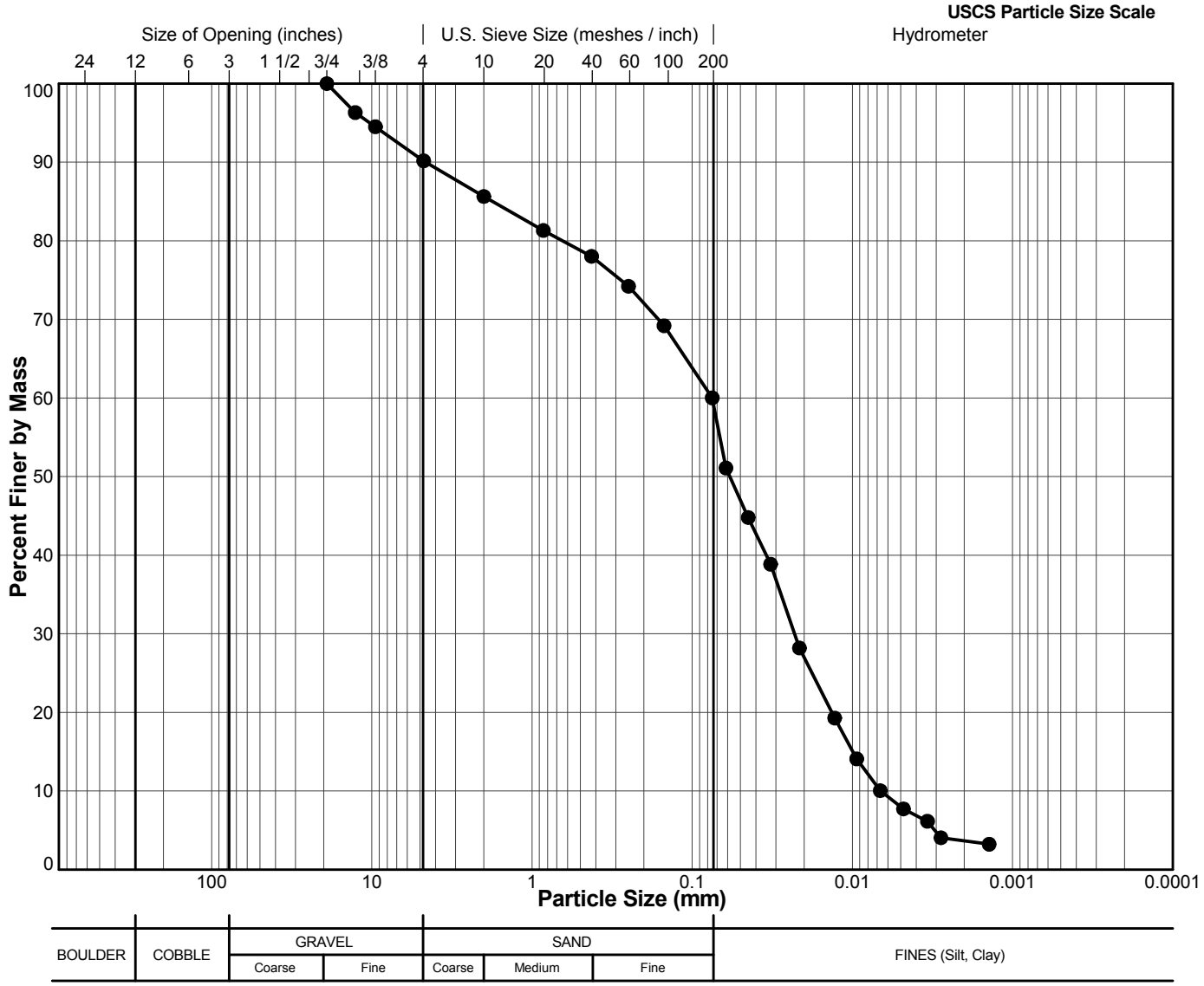
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-31**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.40 to 2.70
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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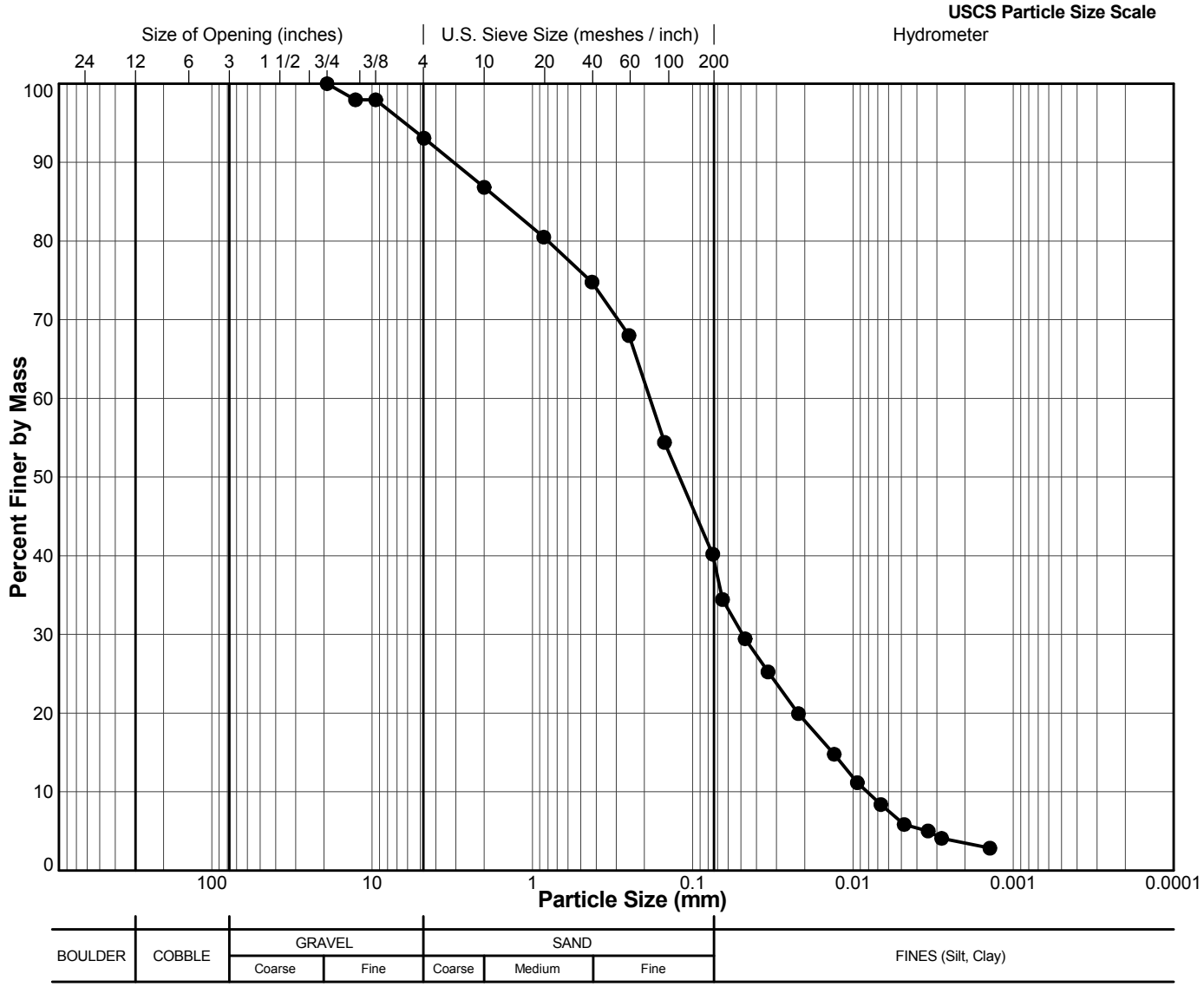
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-32**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.07 to 1.37
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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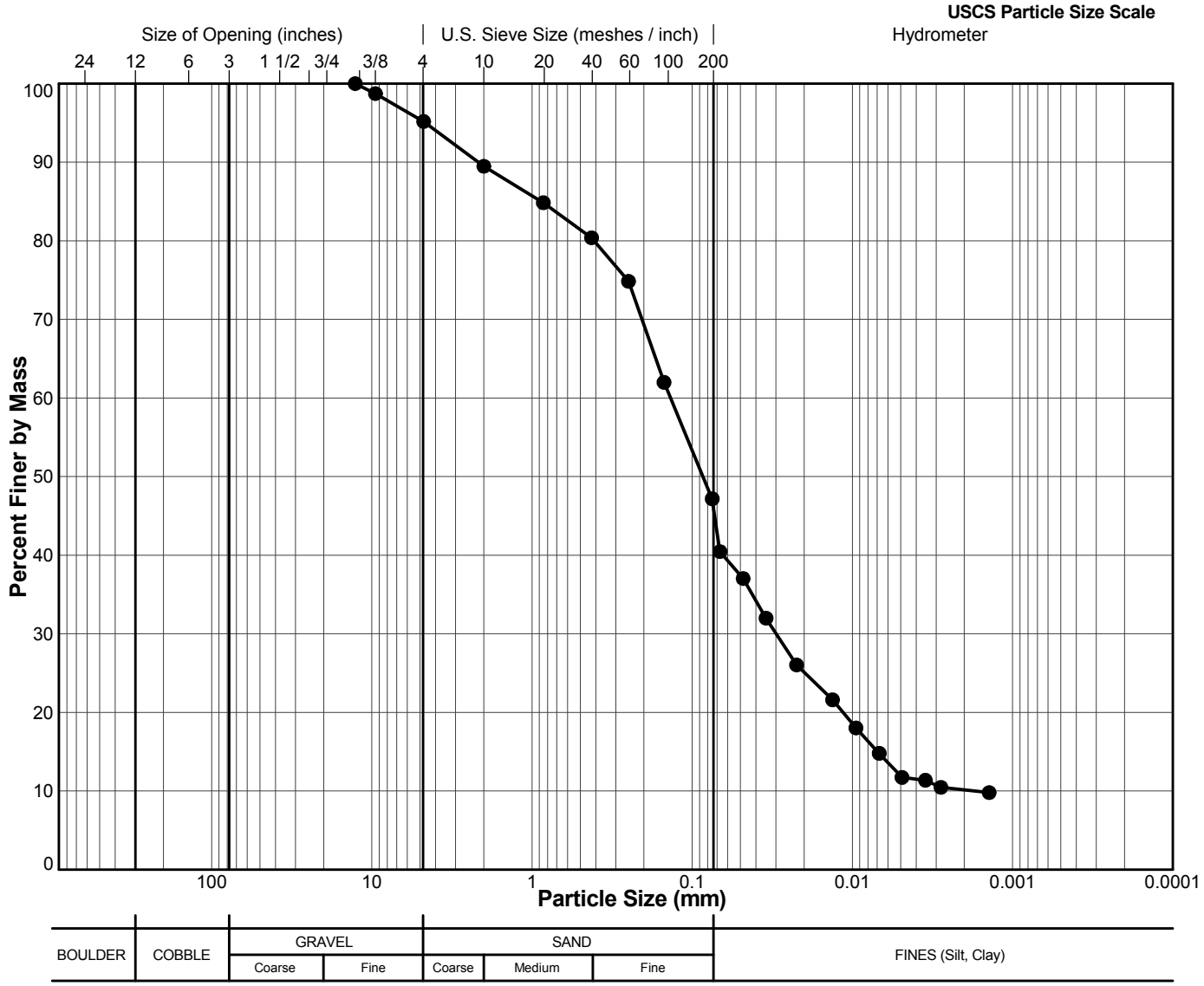
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-32**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.37 to 1.67
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK/EB/MM	**5/25/2012**	**LP**	**5/31/2012**
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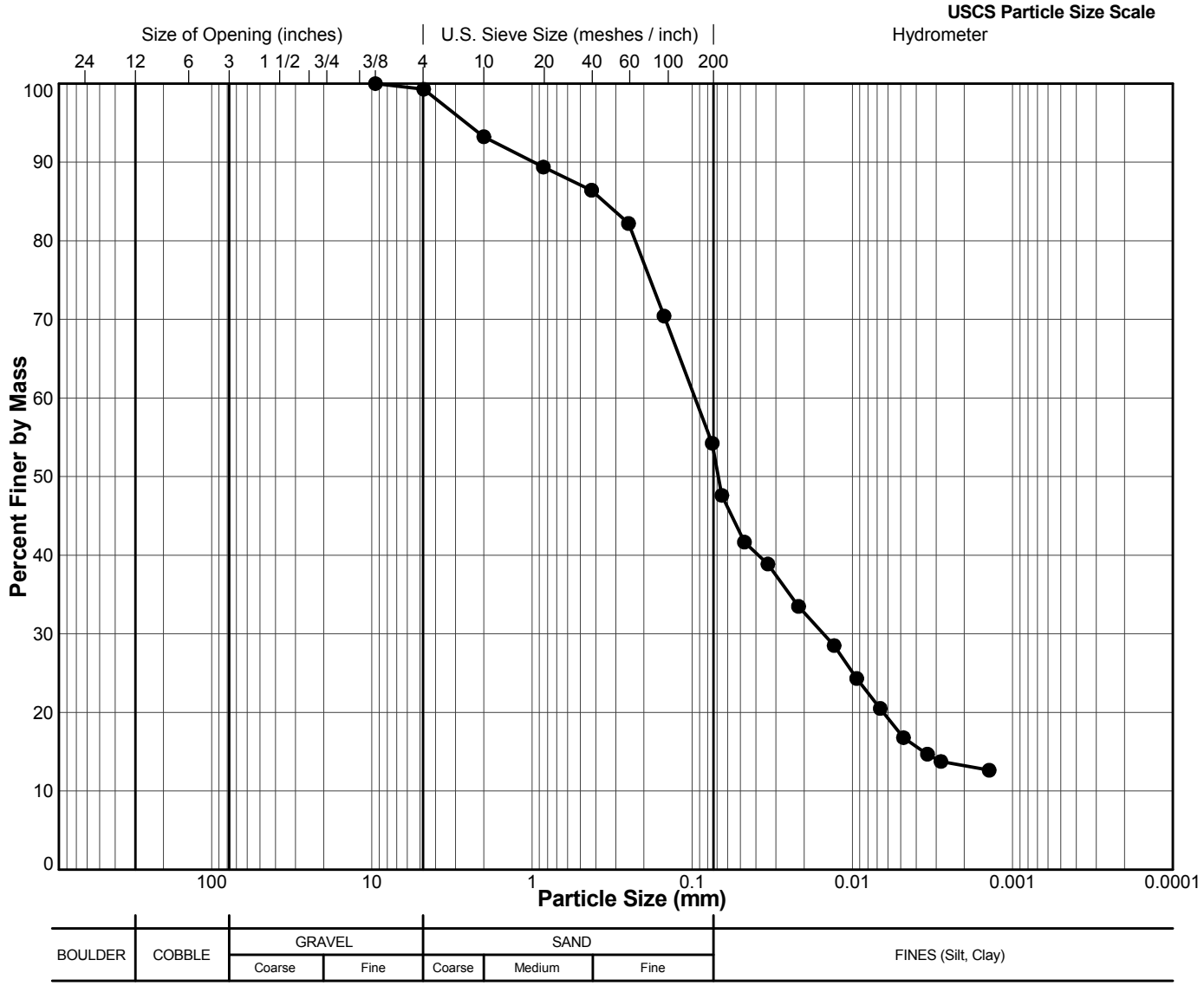
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-32**
Project: 2012 Drilling Program	**Sample No.: 2A**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.37 to 1.67
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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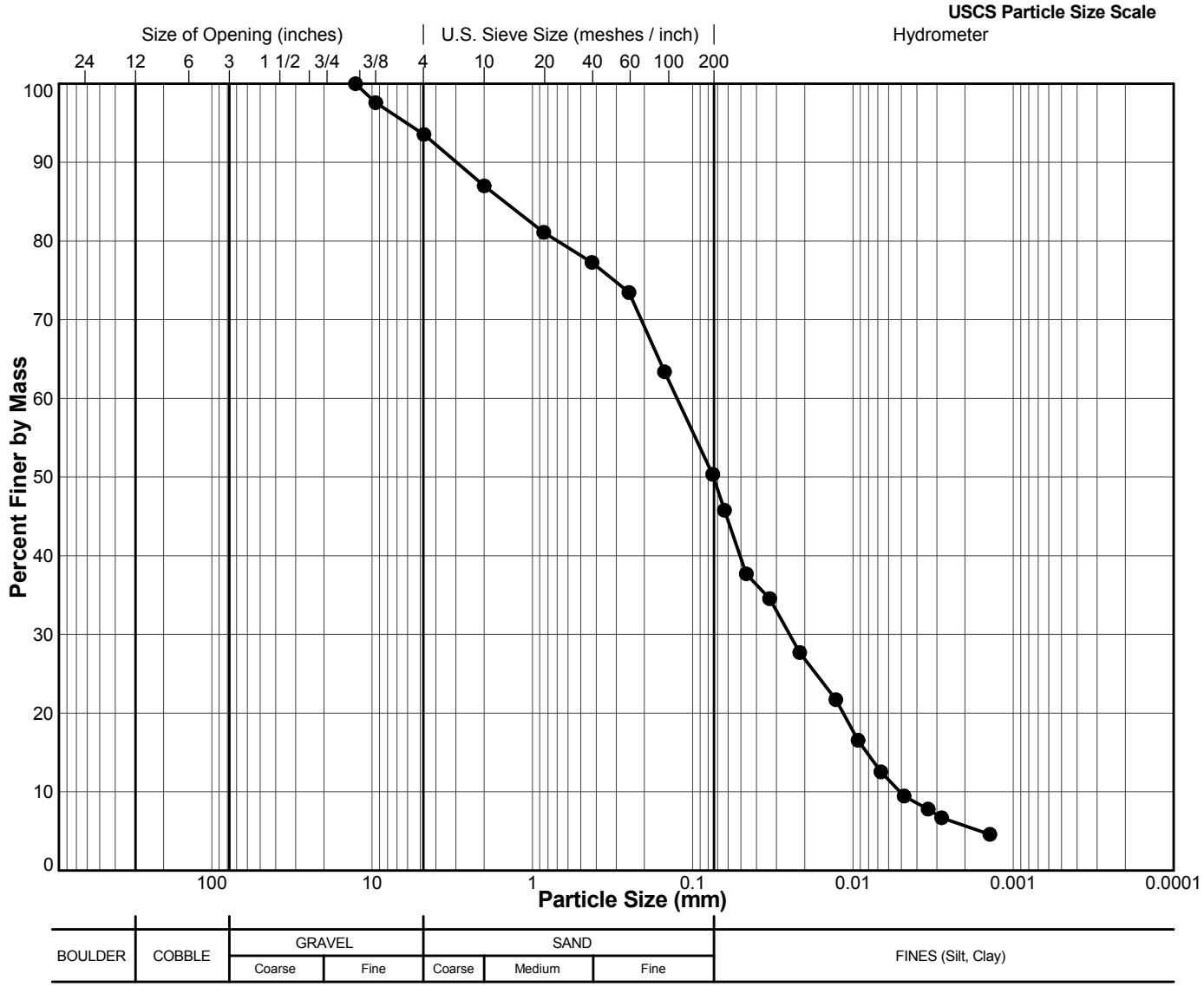
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-32**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.67 to 1.97
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK/EB/MM	**5/22/2012**	**LP**	**5/31/2012**
Tech	Date	Checked	Date

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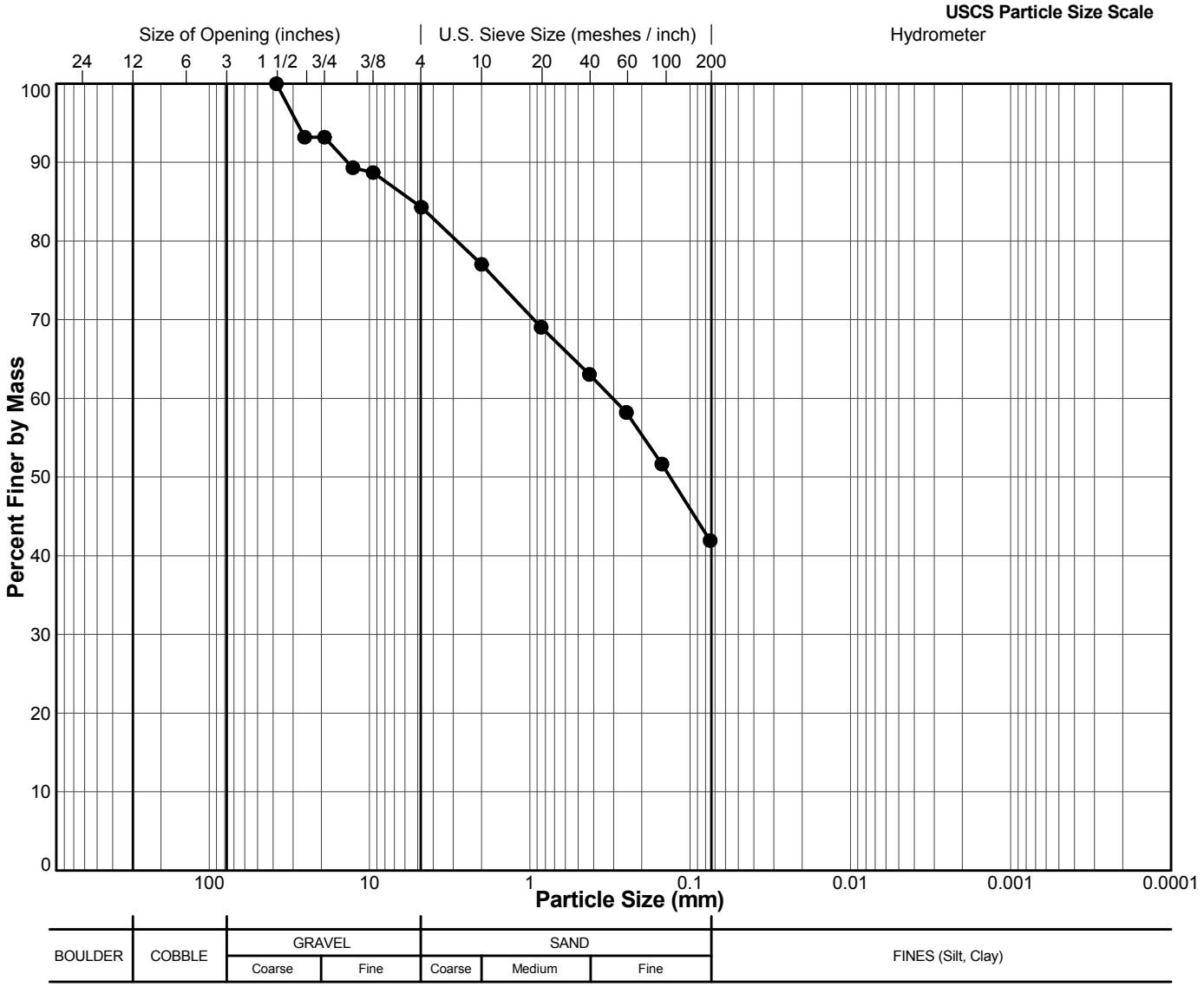
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-35**
Project:	2012 Drilling Program	**Sample No.: 1**
Location:	Meliadine Gold Project	**Depth Interval (m):** 0.25 to 0.45
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



EB	**9/5/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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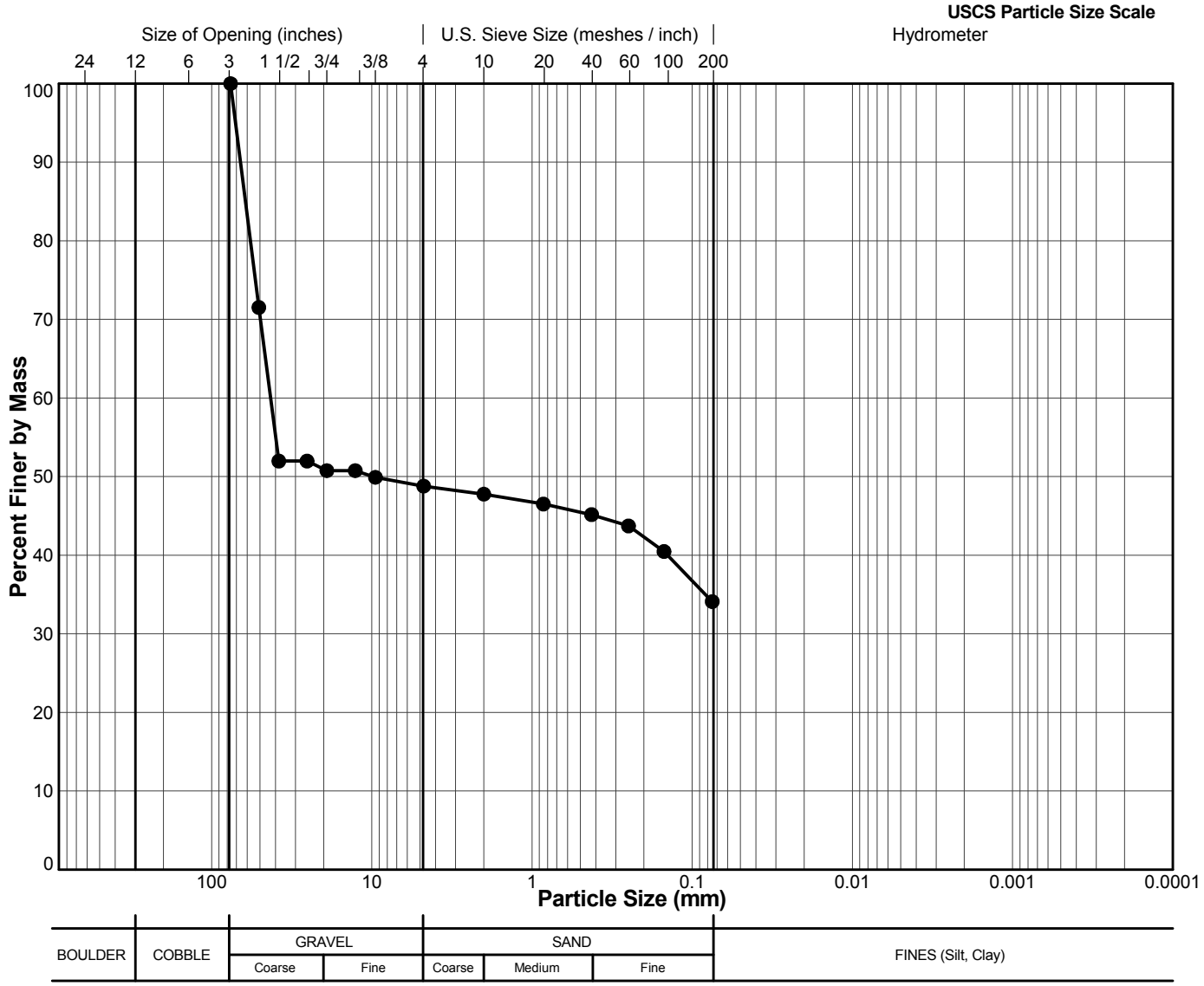
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-35**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.70 to 0.94
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 76.2	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

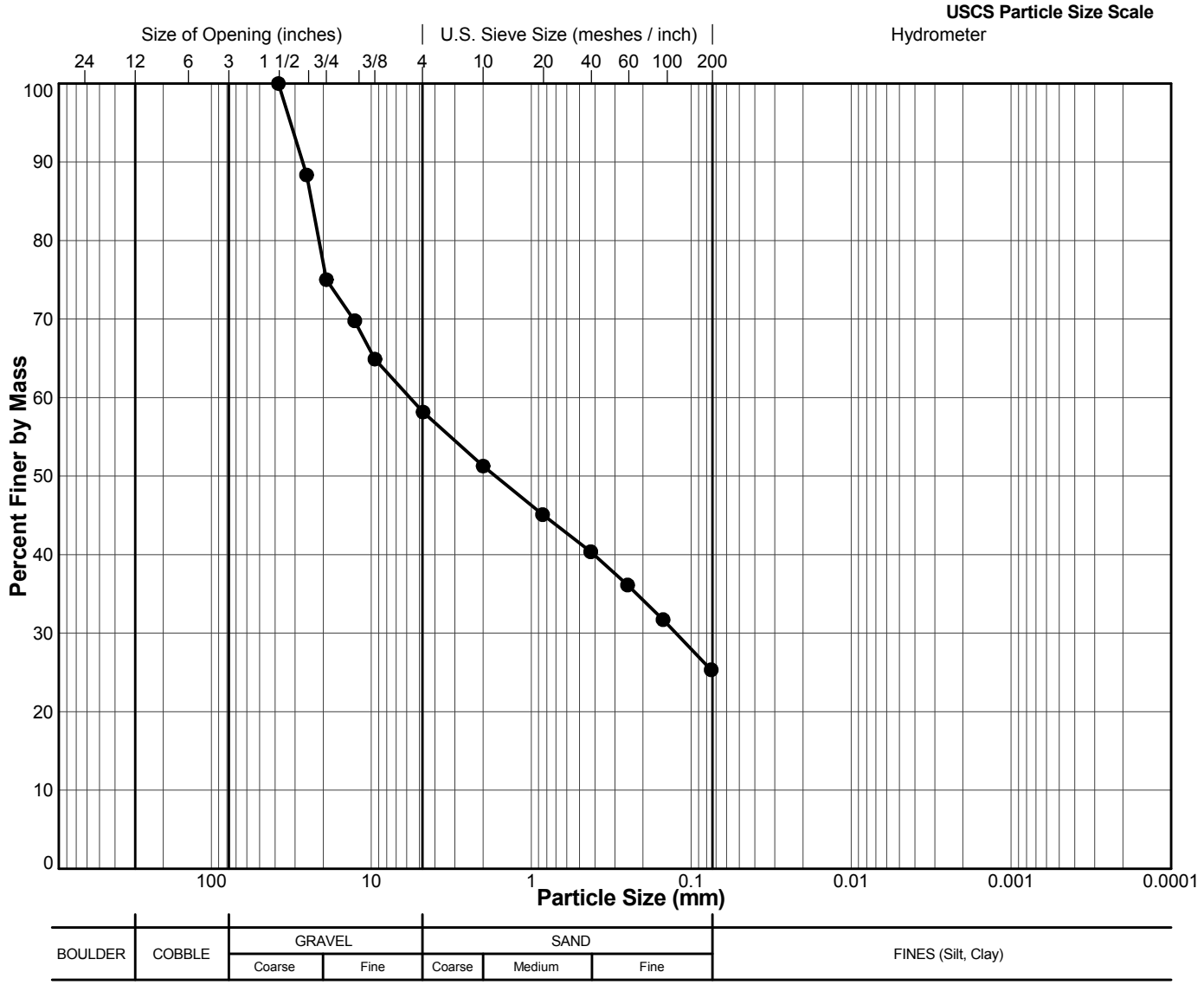
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-35**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.40 to 2.53
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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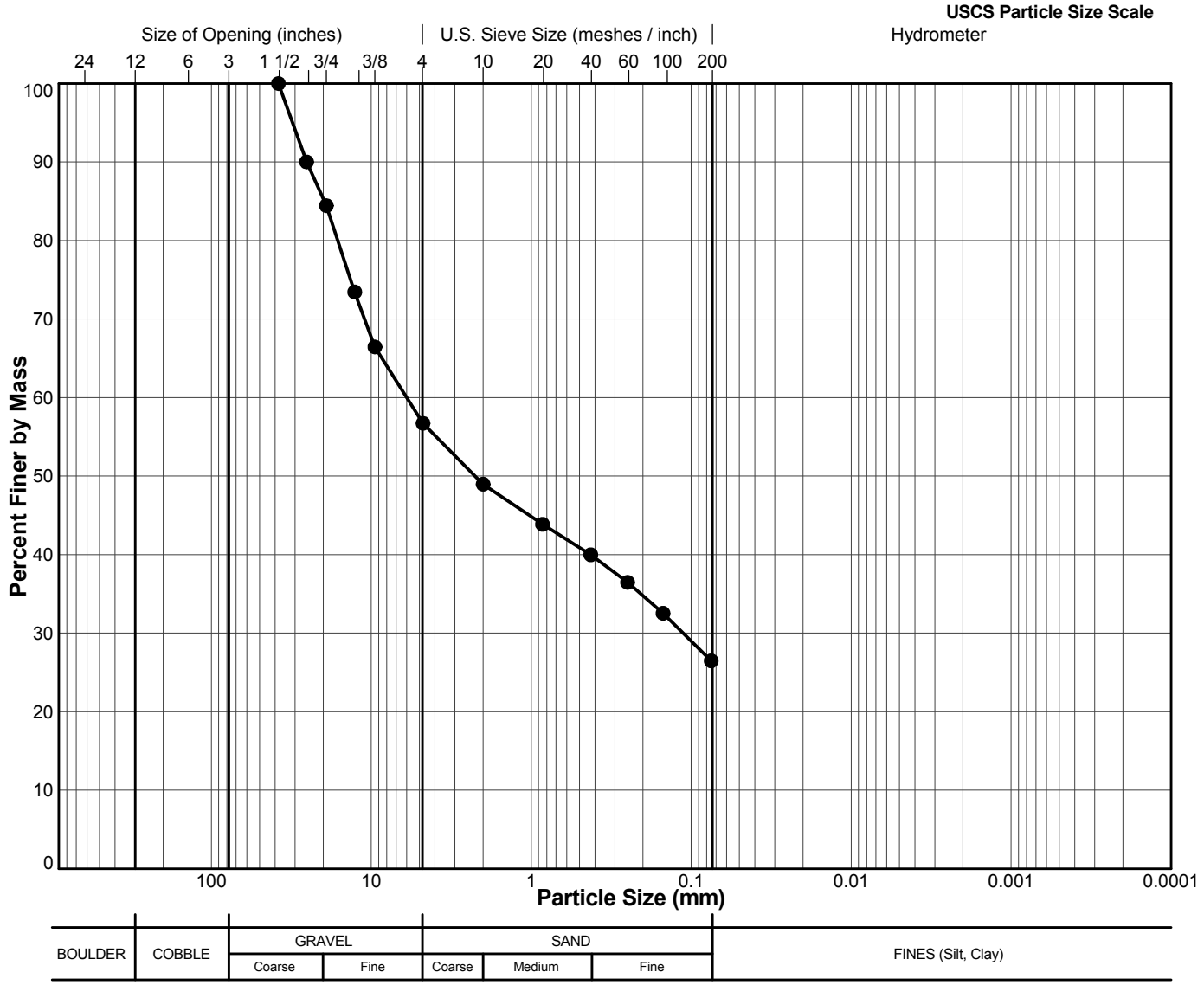
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-36**
Project:	2012 Drilling Program	**Sample No.: 1**
Location:	Meliadine Gold Project	**Depth Interval (m):** 0.50 to 0.70
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



BM	**9/12/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

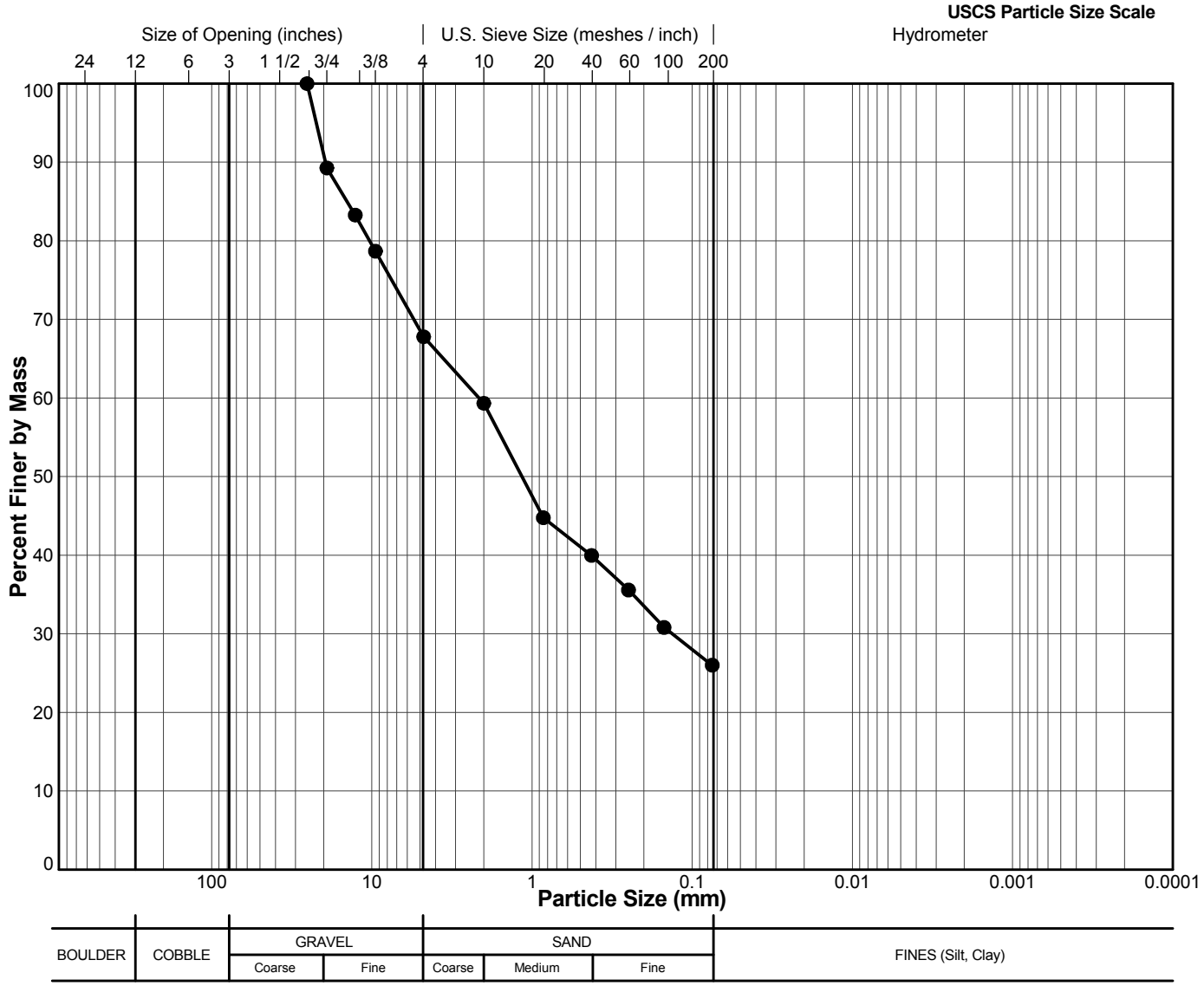
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-36**
Project: 2012 Drilling Program	**Sample No.: 2+3 Composite**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.53 to 3.89
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	

Method: Split, Washed



EB	**9/5/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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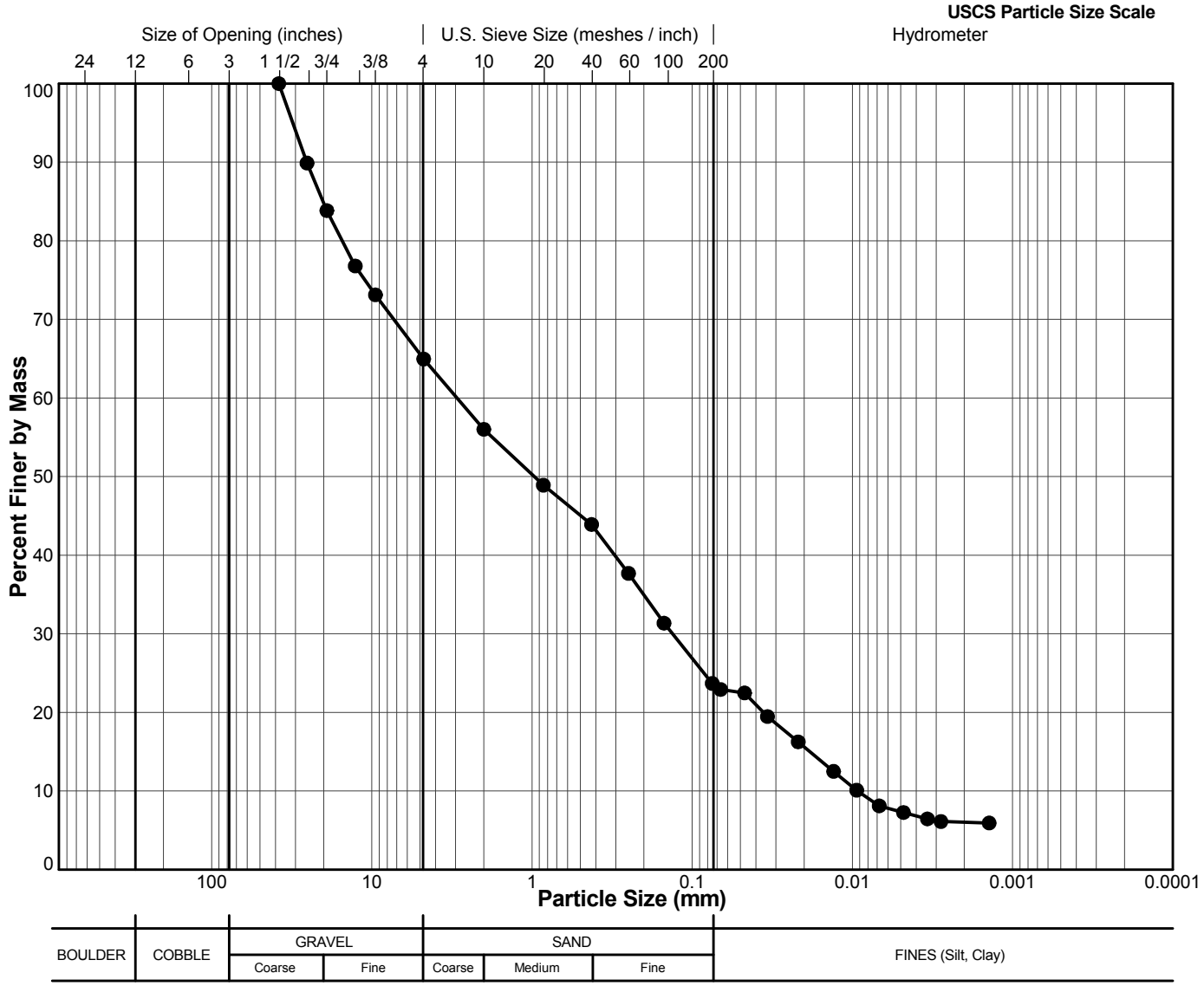
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-37**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.49 to 1.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK	**6/12/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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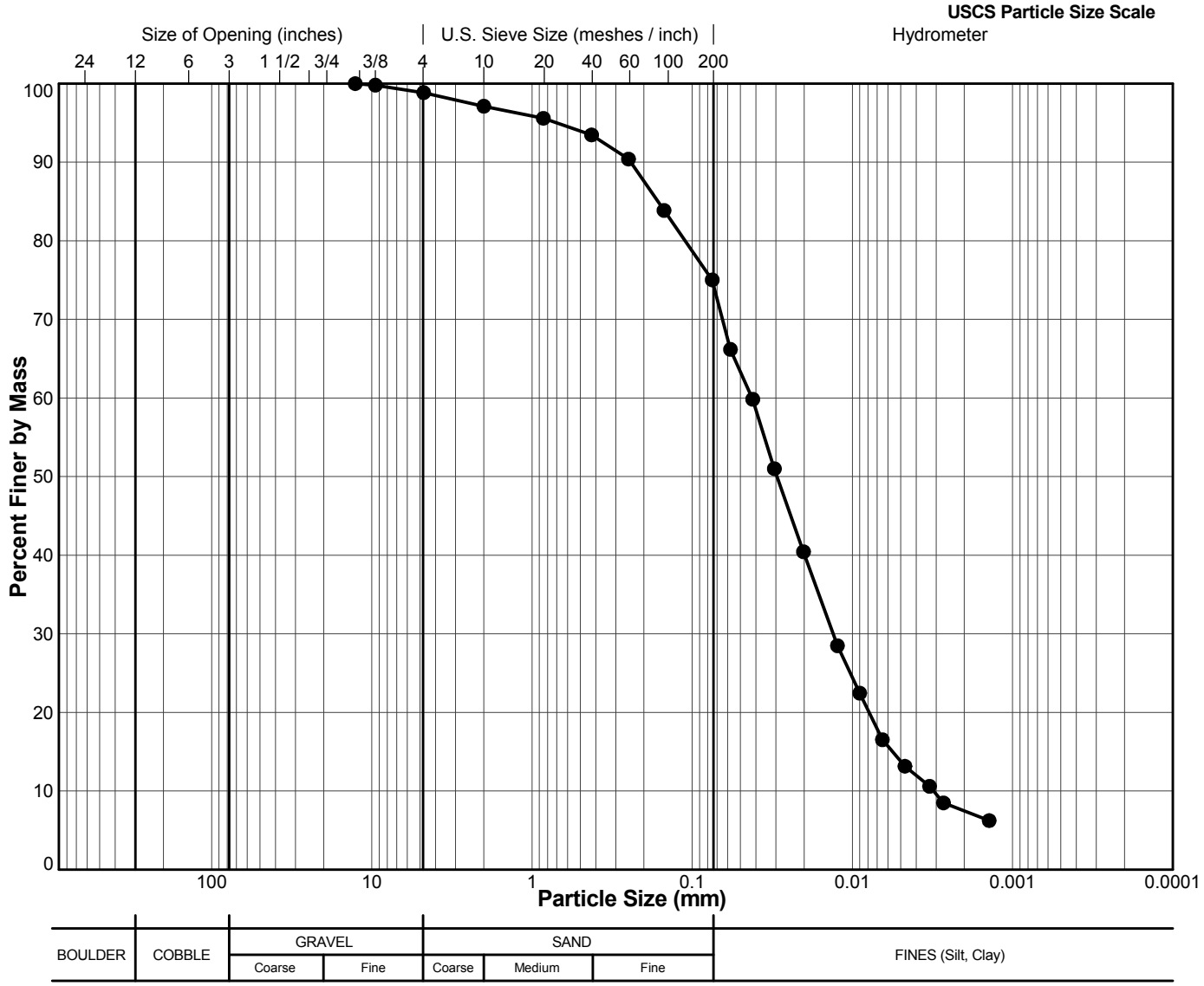
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-37**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.60 to 4.02
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK	**6/12/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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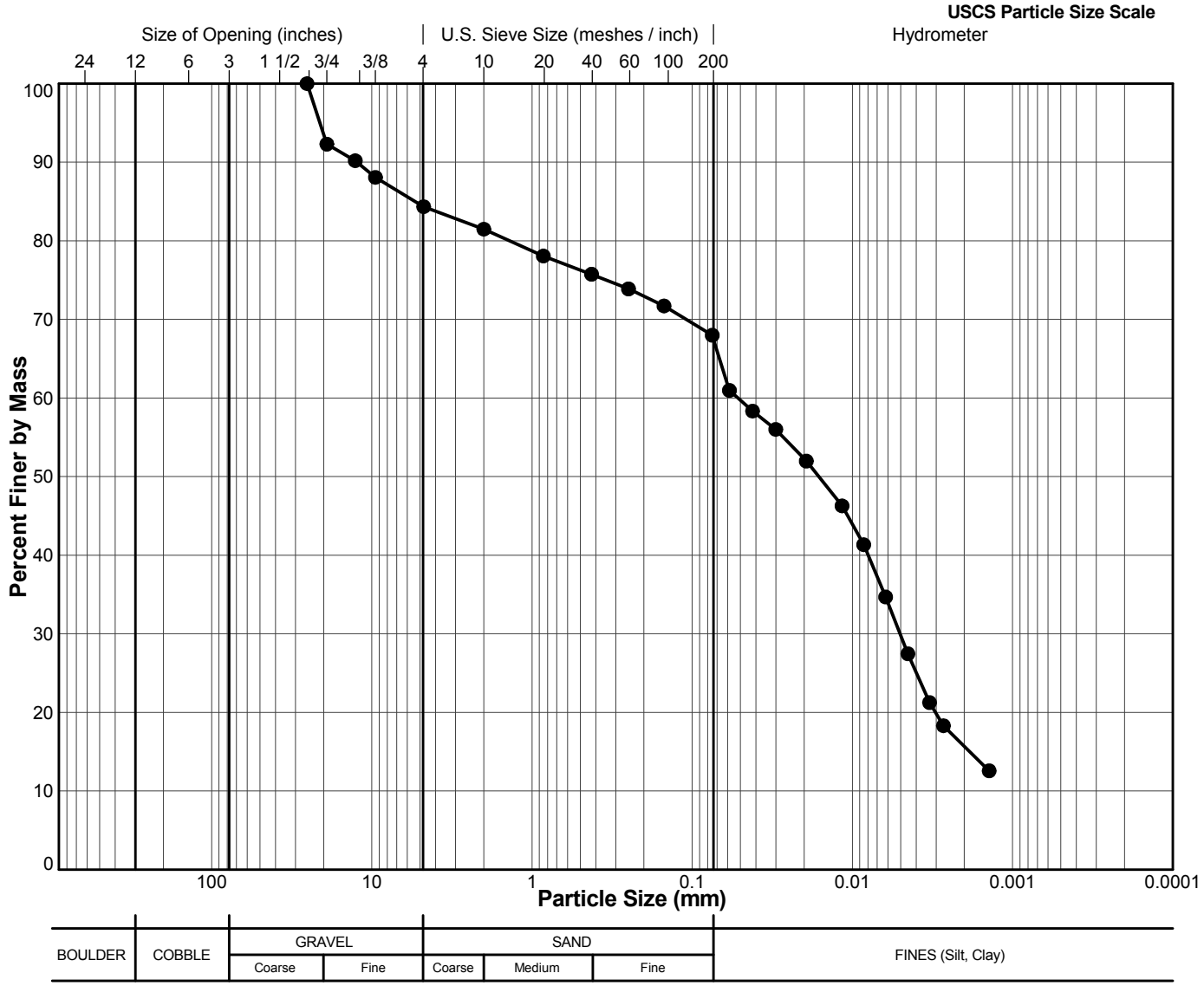
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-38**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.53 to 1.84
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



SK	**6/19/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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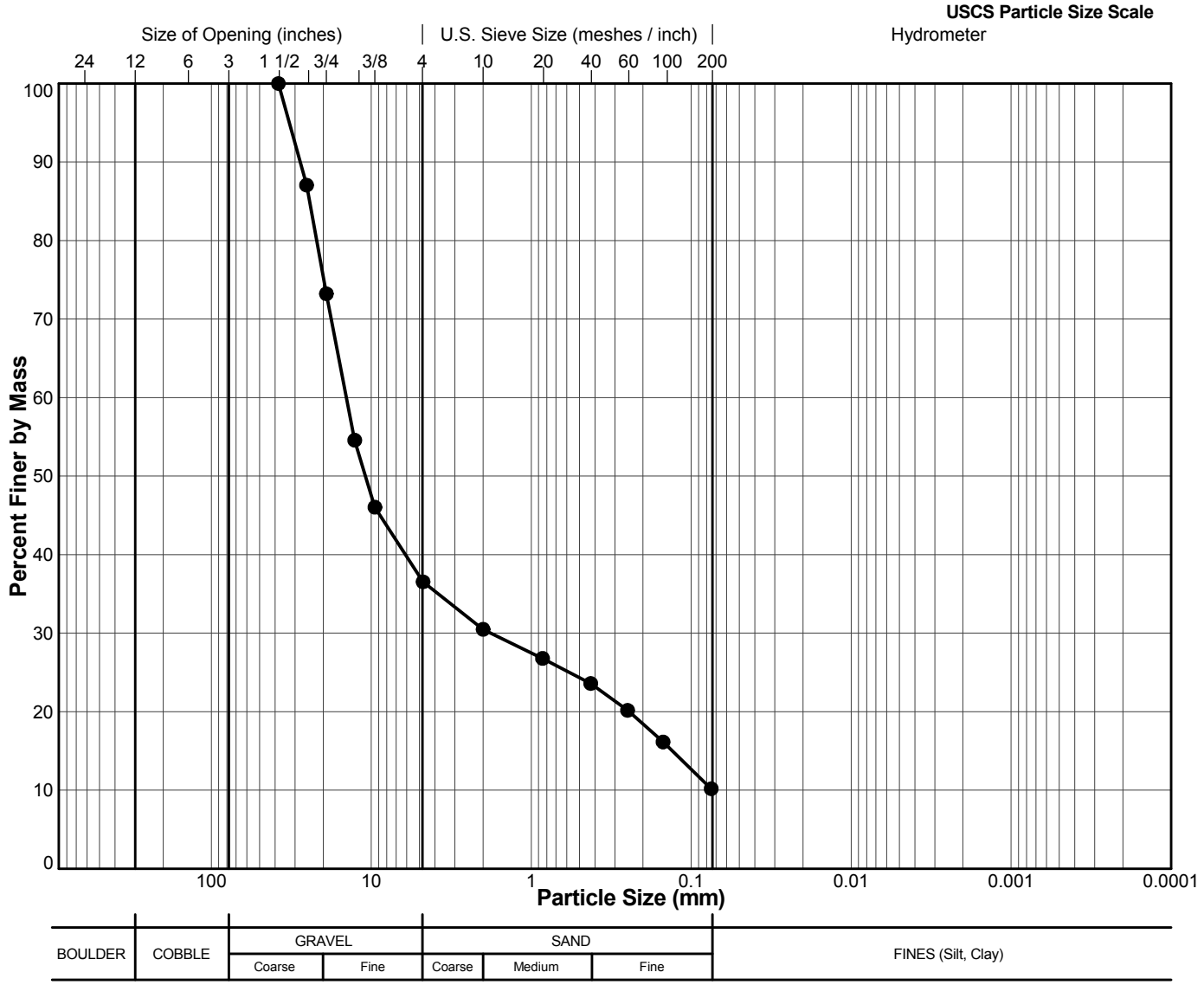
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-38**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.05 to 3.55
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Combined, Washed	



SK	**6/9/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

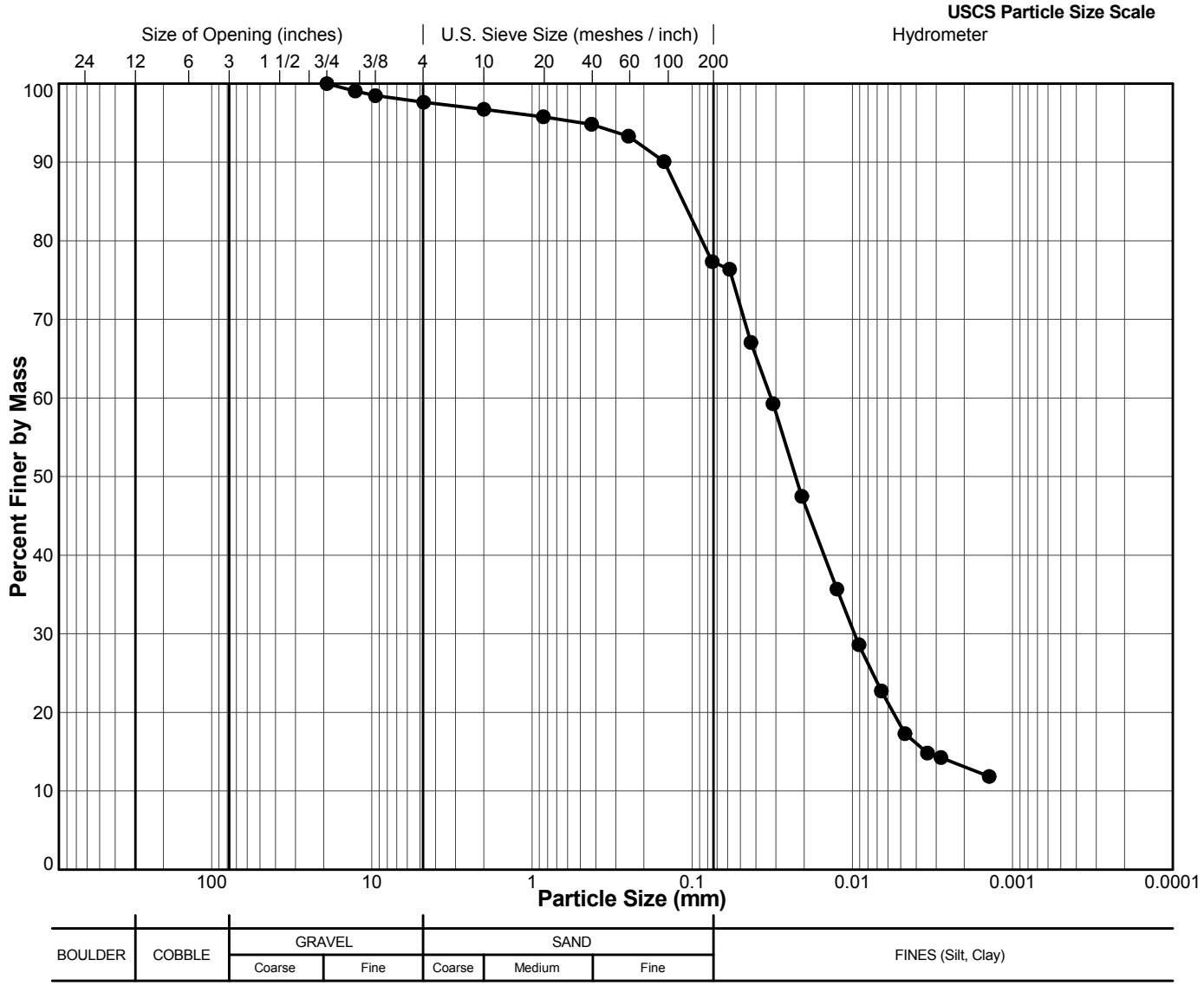
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-39**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.40 to 3.85
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



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Tech	Date	Checked	Date

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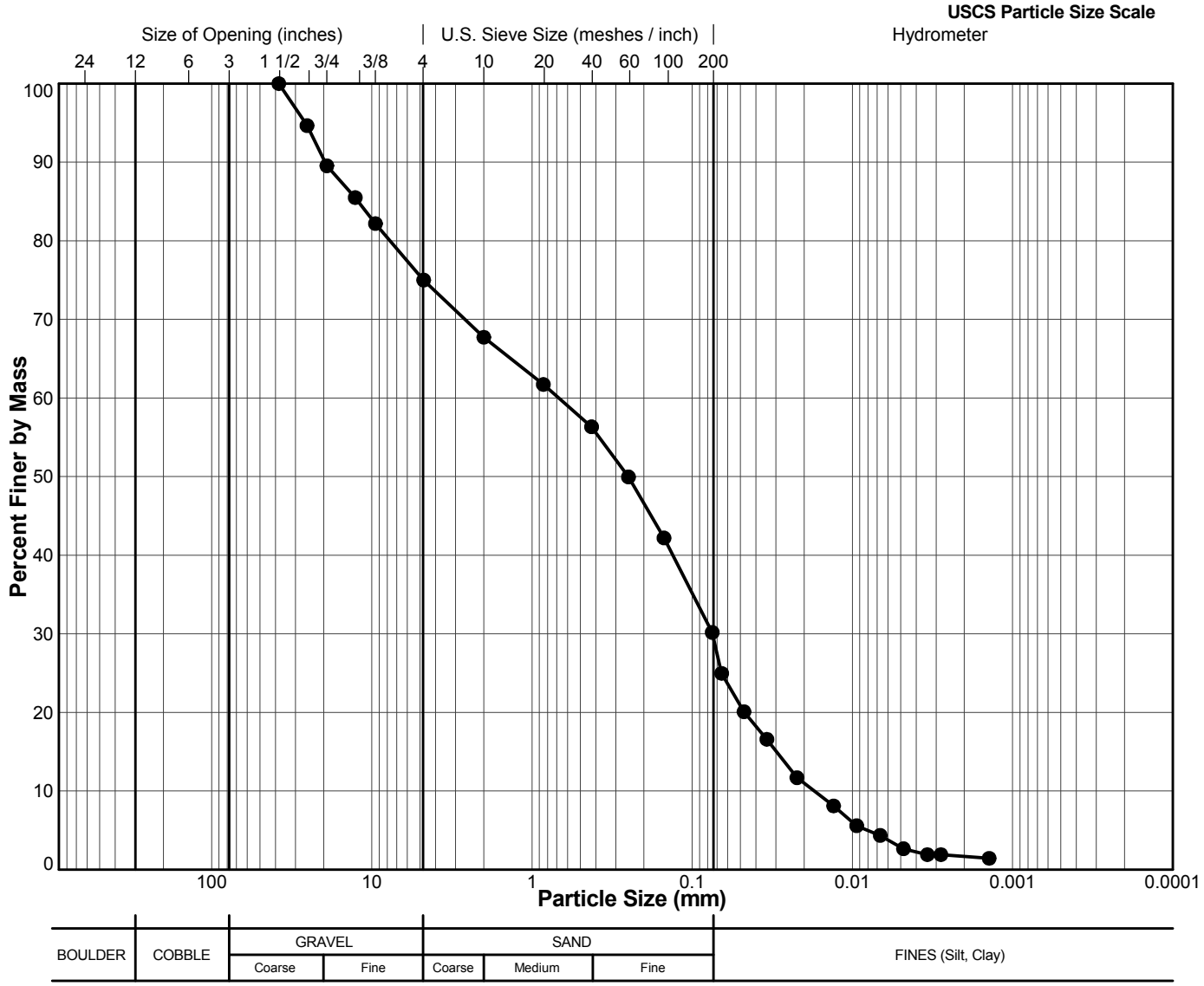
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-39**
Project: 2012 Drilling Program	**Sample No.: 6**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.85 to 5.05
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



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PARTICLE SIZE ANALYSIS OF SOILS

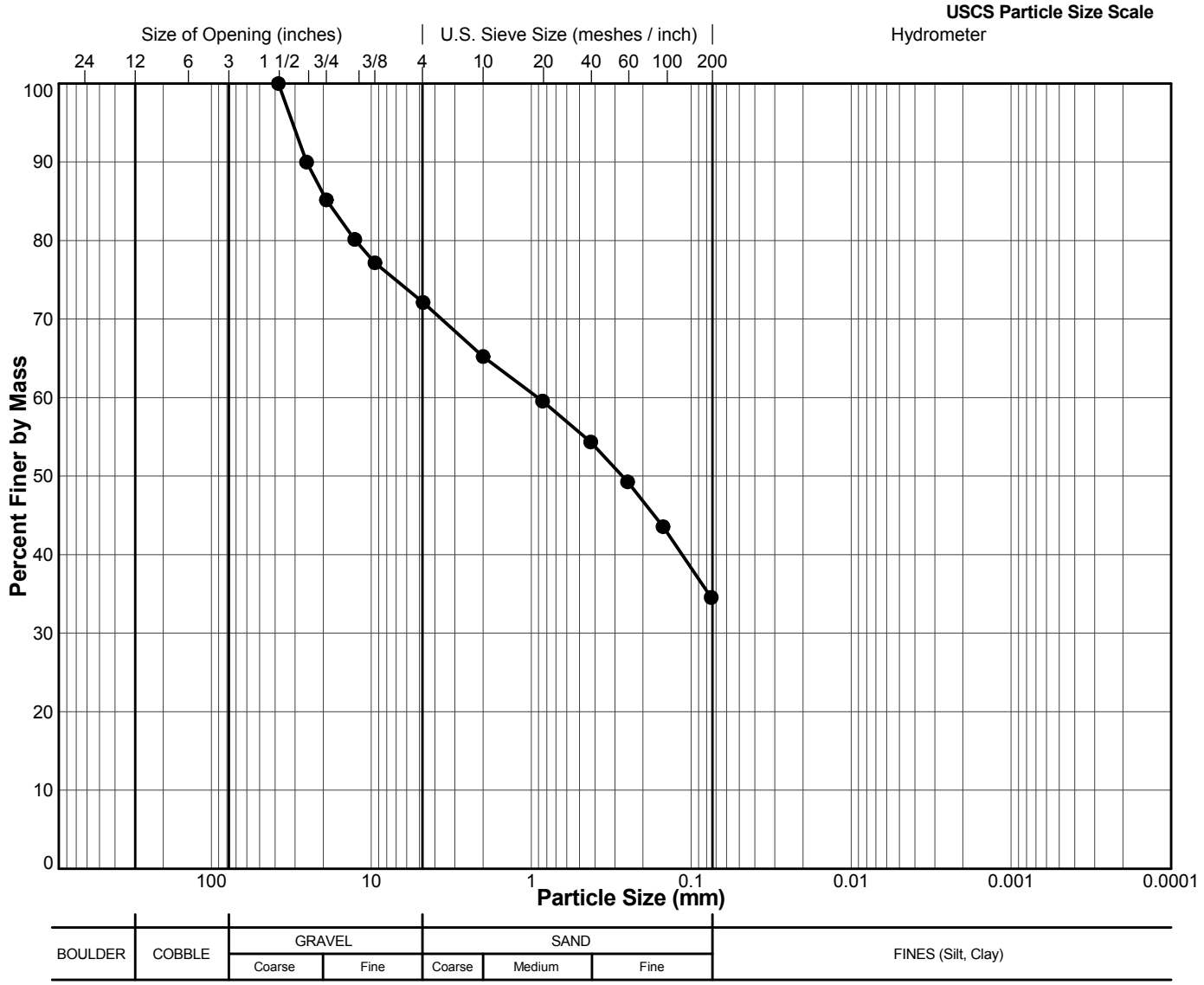
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-40**
Project: 2012 Drilling Program	**Sample No.: 1+2**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.00 to 4.20
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



EB	**9/5/2012**	**LP**	**9/25/2012**
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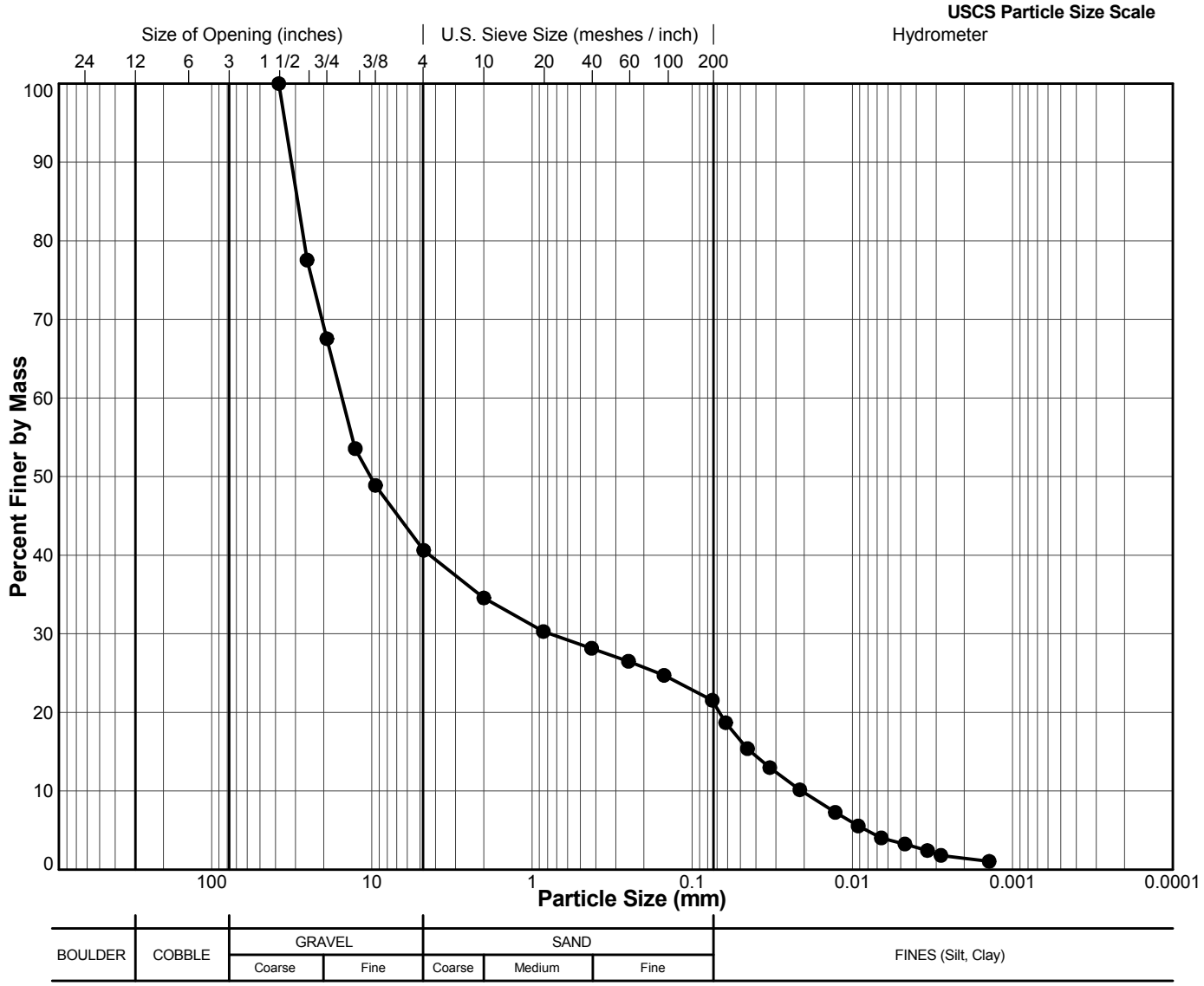
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-41**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.47 to 0.68
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK	**6/12/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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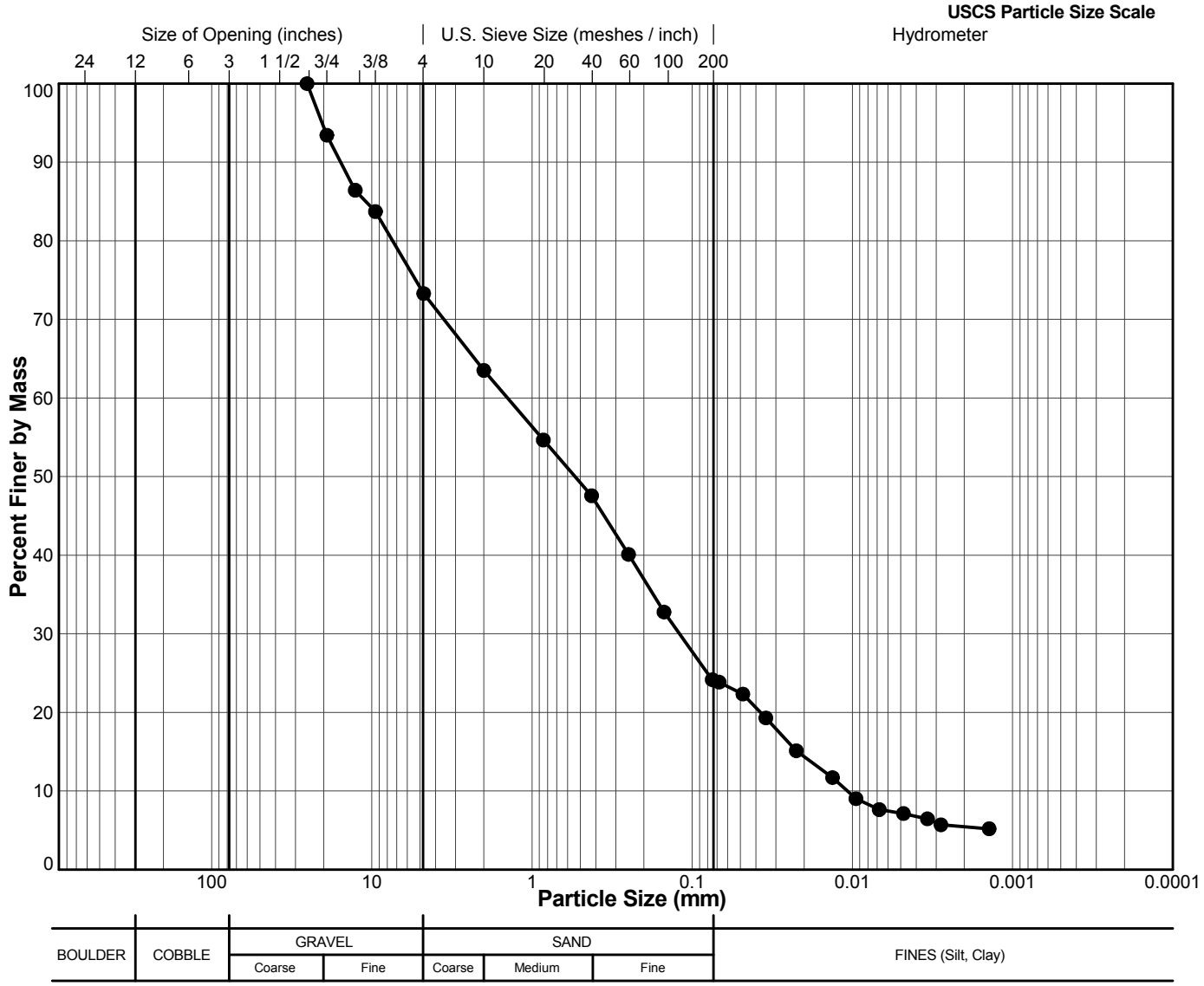
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-41**
Project: 2012 Drilling Program	**Sample No.: 5**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.69 to 3.55
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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PARTICLE SIZE ANALYSIS OF SOILS

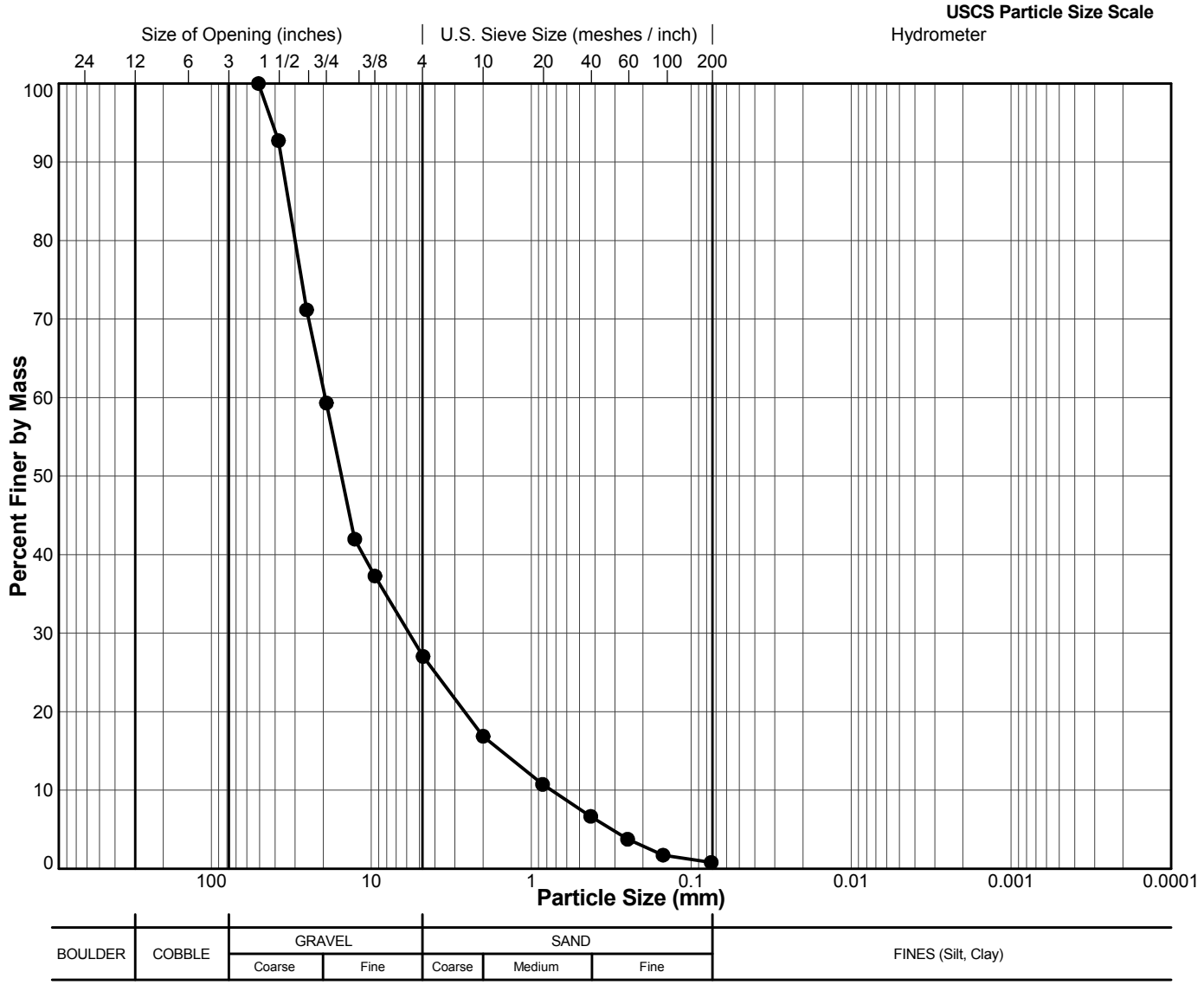
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-42**
Project: 2012 Drilling Program	**Sample No.: 2A**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.52 to 2.92
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Combined, Washed



SK	**6/9/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

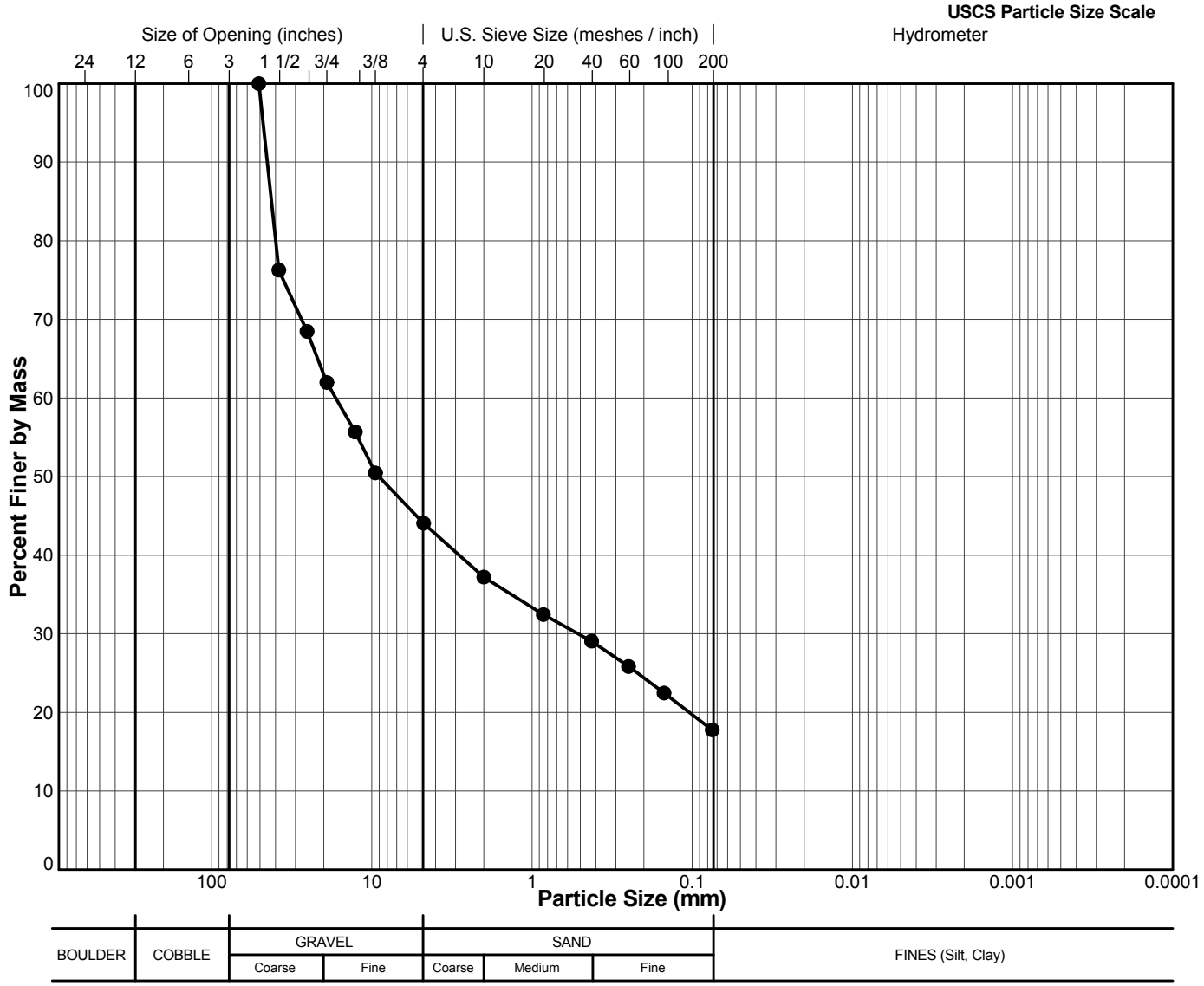
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-42**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.55 to 3.81
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Split, Washed



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Tech	Date	Checked	Date

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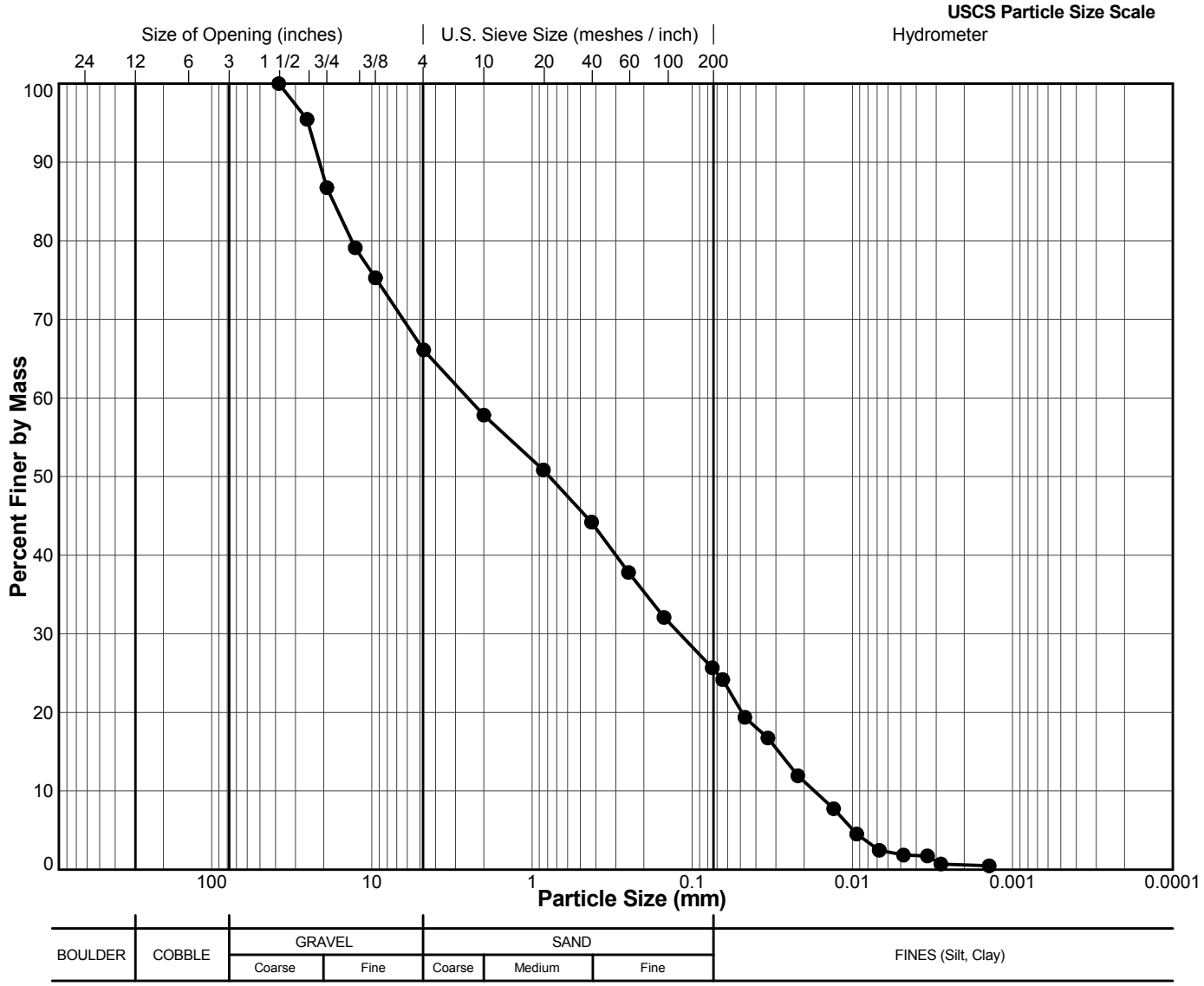
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-42**
Project: 2012 Drilling Program	**Sample No.: 6A**
Location: Meliadine Gold Project	**Depth Interval (m):** 6.87 to 7.27
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK	**6/12/2012**	**LP**	**6/20/2012**
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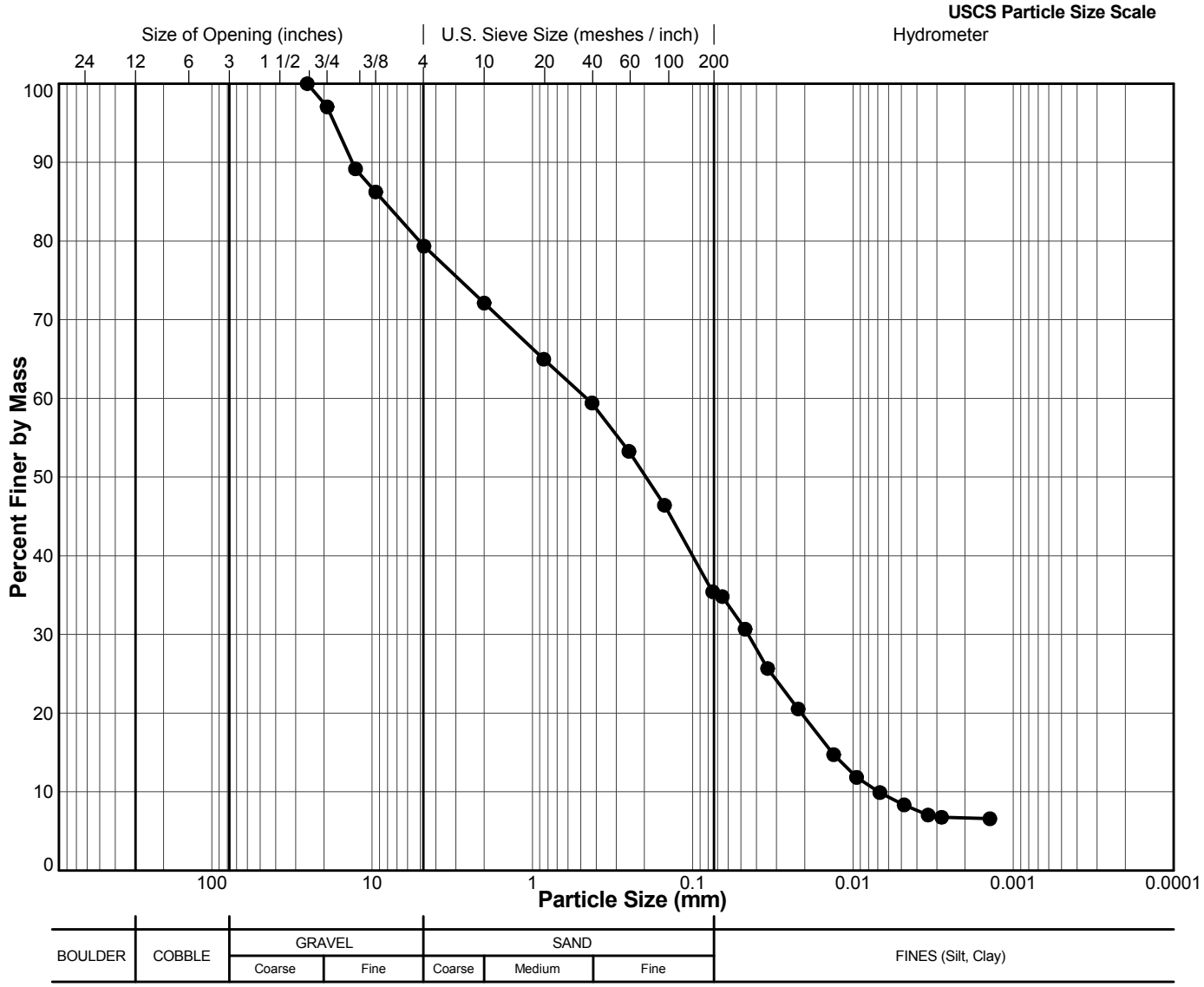
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-43**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 0.75 to 1.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 87024	



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PARTICLE SIZE ANALYSIS OF SOILS

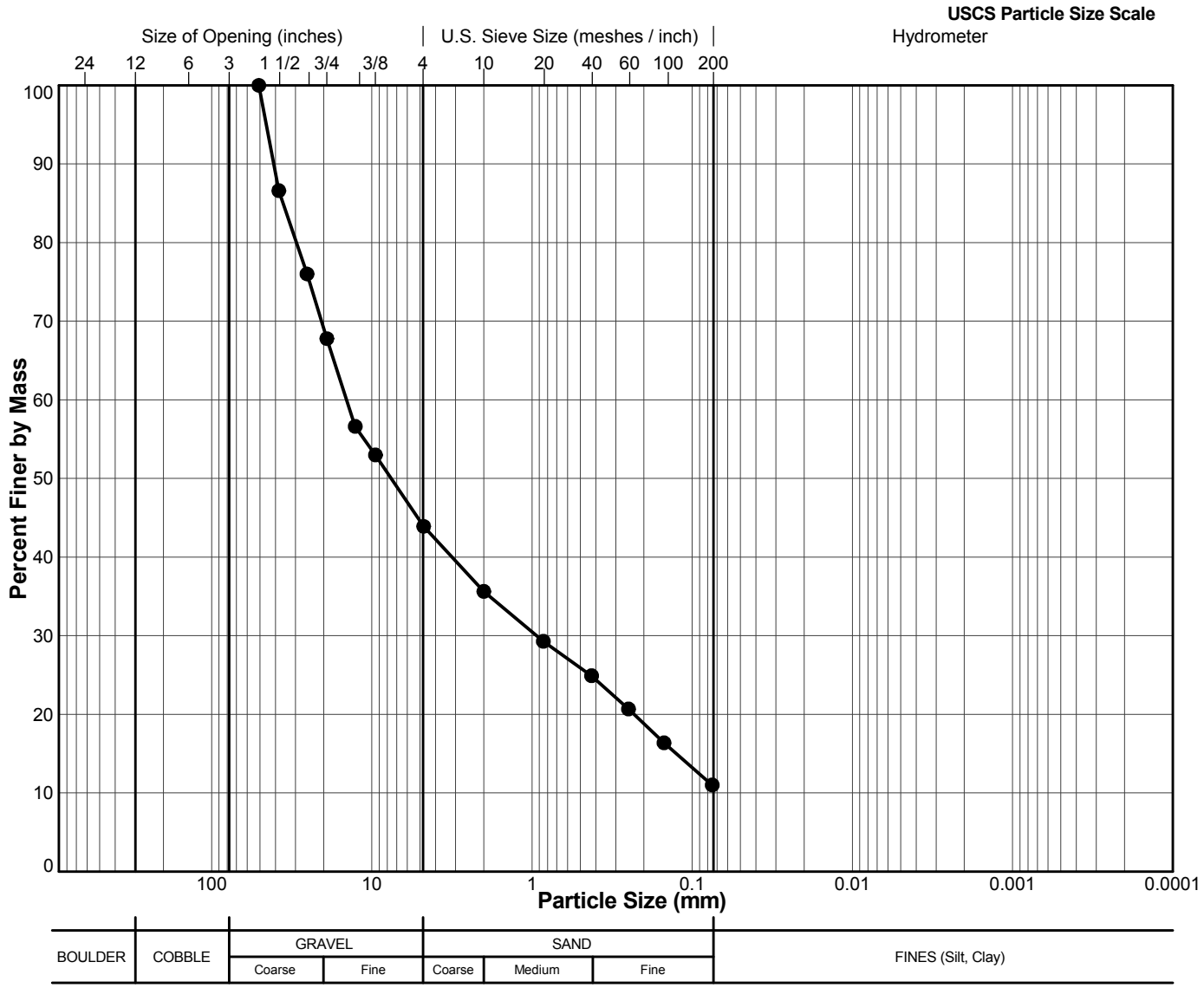
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-43**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.80 to 5.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 50.8	

Method: Split, Washed



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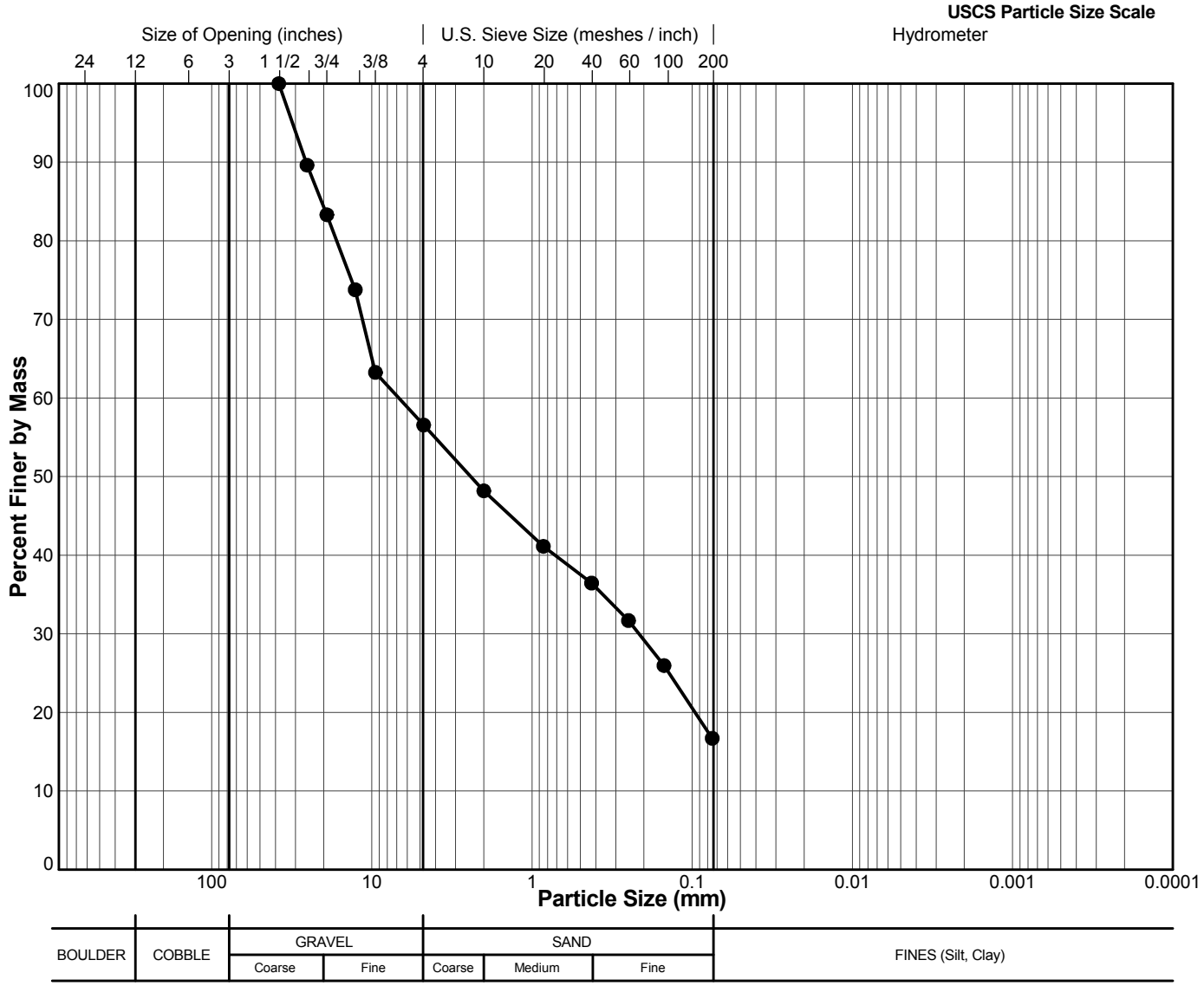
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-44**	
Project:	2012 Drilling Program	**Sample No.: 1**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 0.30 to 1.25	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



SK	**6/8/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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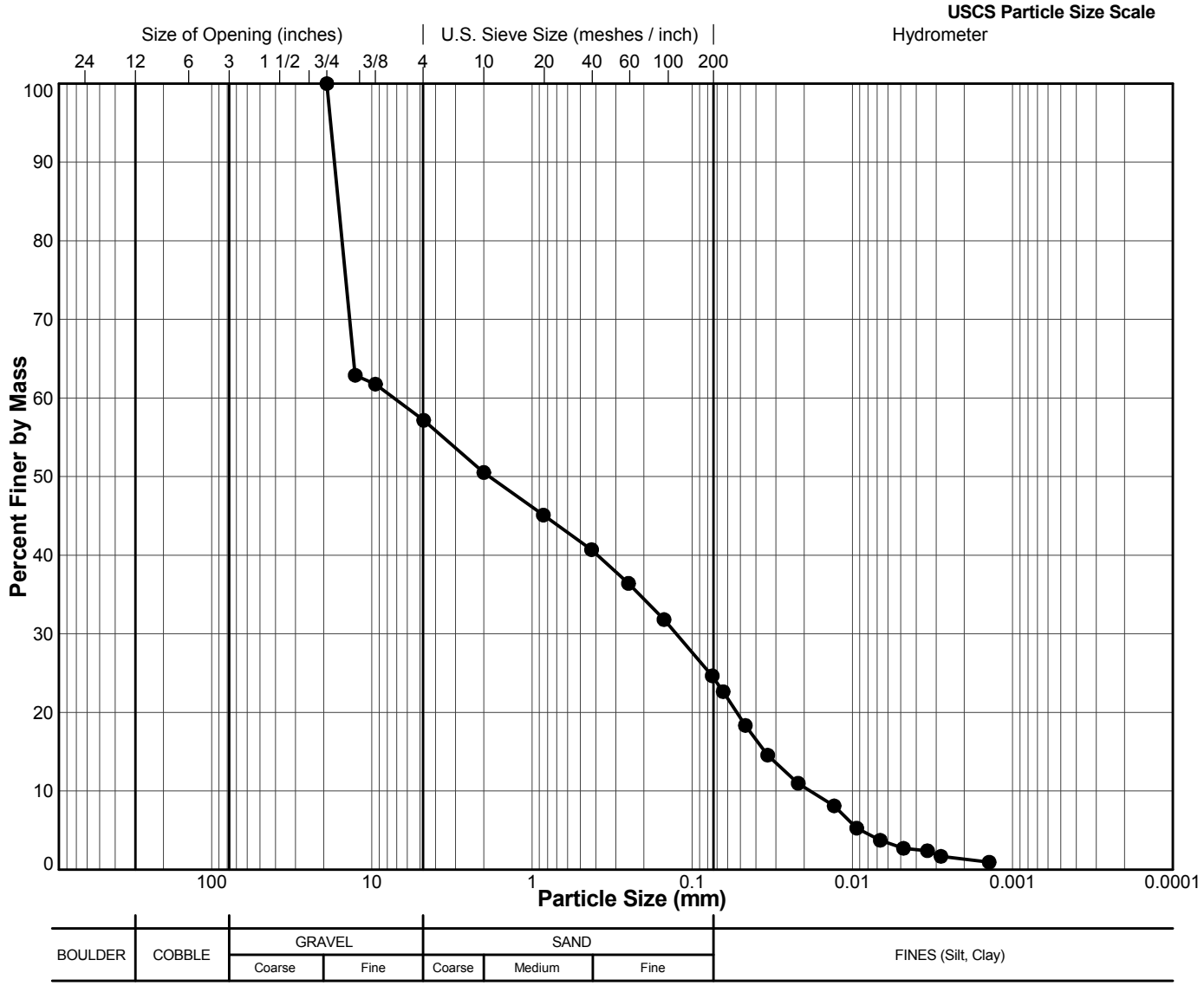
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-44**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.25 to 1.35
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**
Hydrometer ID: BURNABY - 541360	



SK	**6/12/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

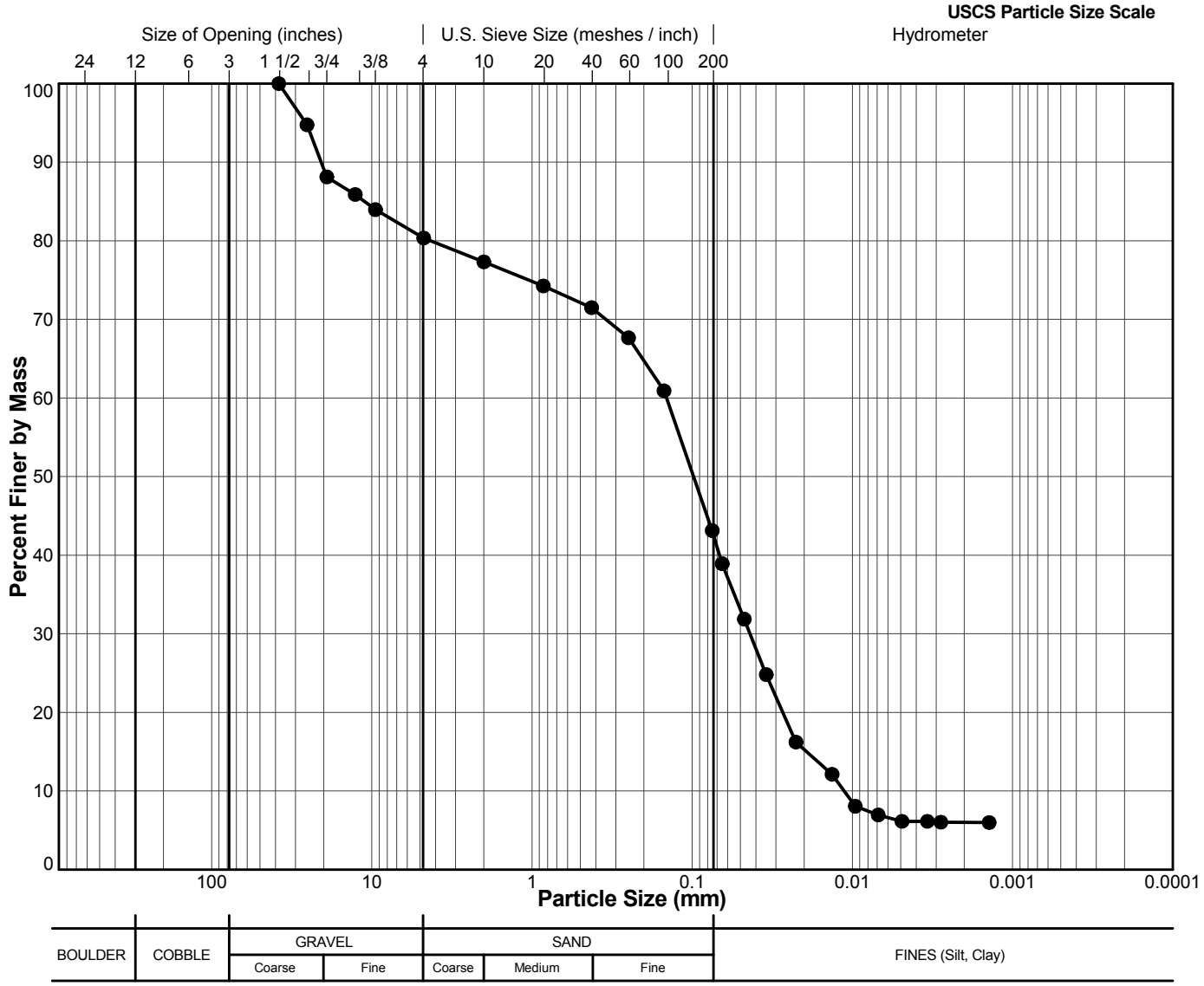
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-45**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.73 to 2.03
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	**Dispersion Method: Stirring**
Method: Split, Washed	**Dispersion Period (min): 1**

Hydrometer ID: BURNABY - 87024



SK	**6/12/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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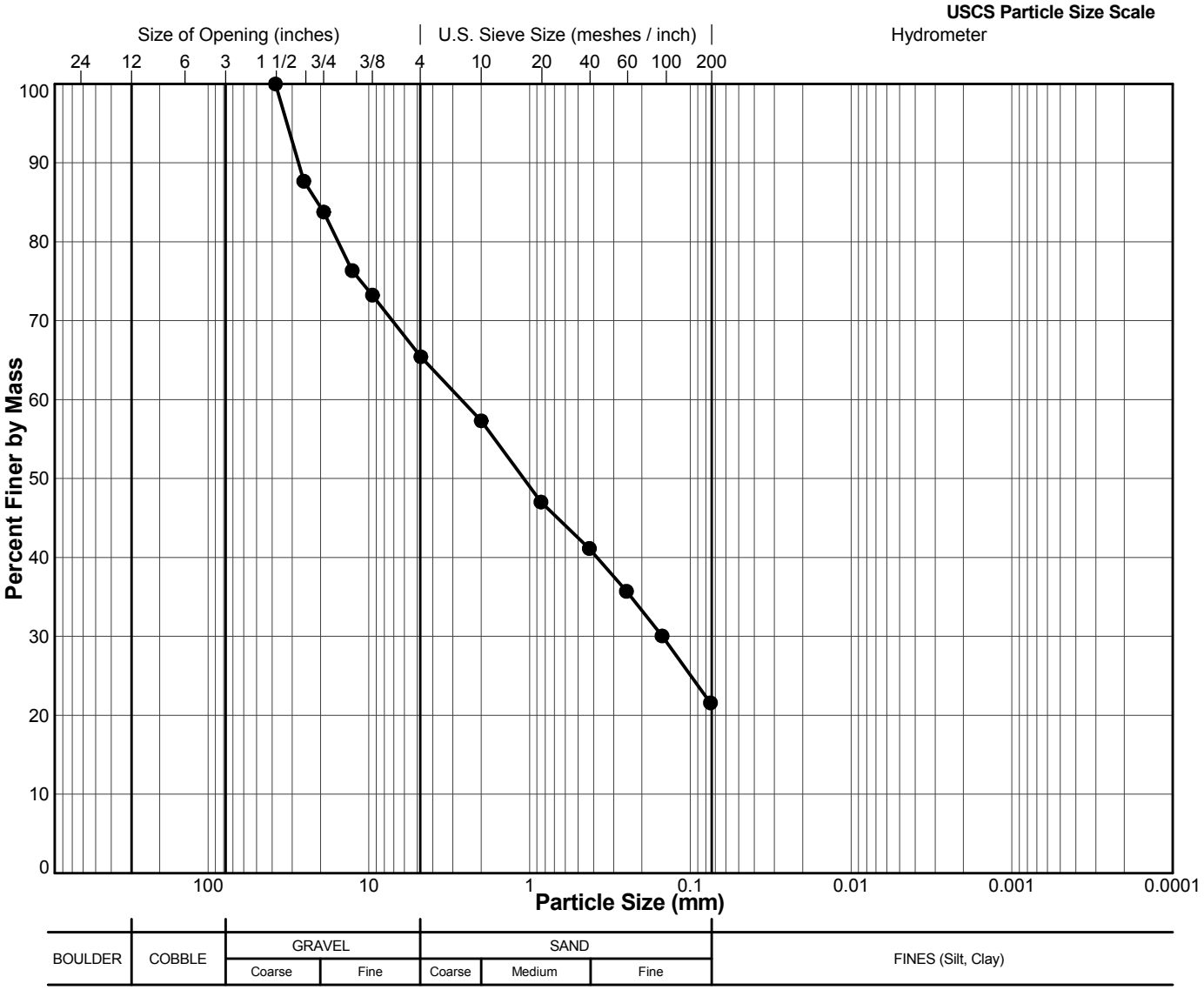
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-45**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.85 to 3.10
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	
Method: Split, Washed	



SK	**6/19/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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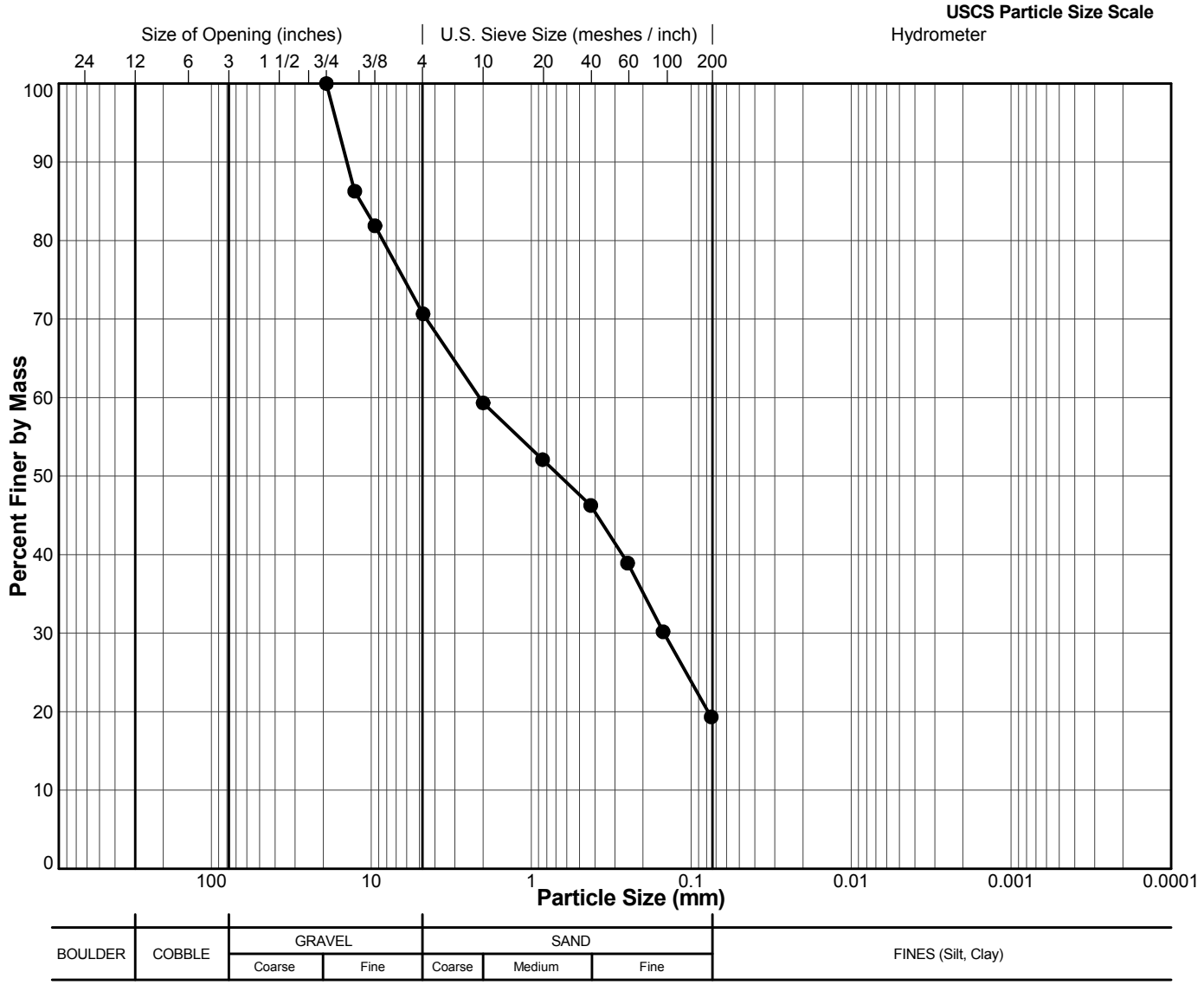
PARTICLE SIZE ANALYSIS OF SOILS

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

Client:	Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-46**	
Project:	2012 Drilling Program	**Sample No.: 4**	
Location:	Meliadine Gold Project	**Depth Interval (m):** 5.50 to 5.81	
Project No.:	11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143	

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	
Method: Split, Washed	



SK	**6/12/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

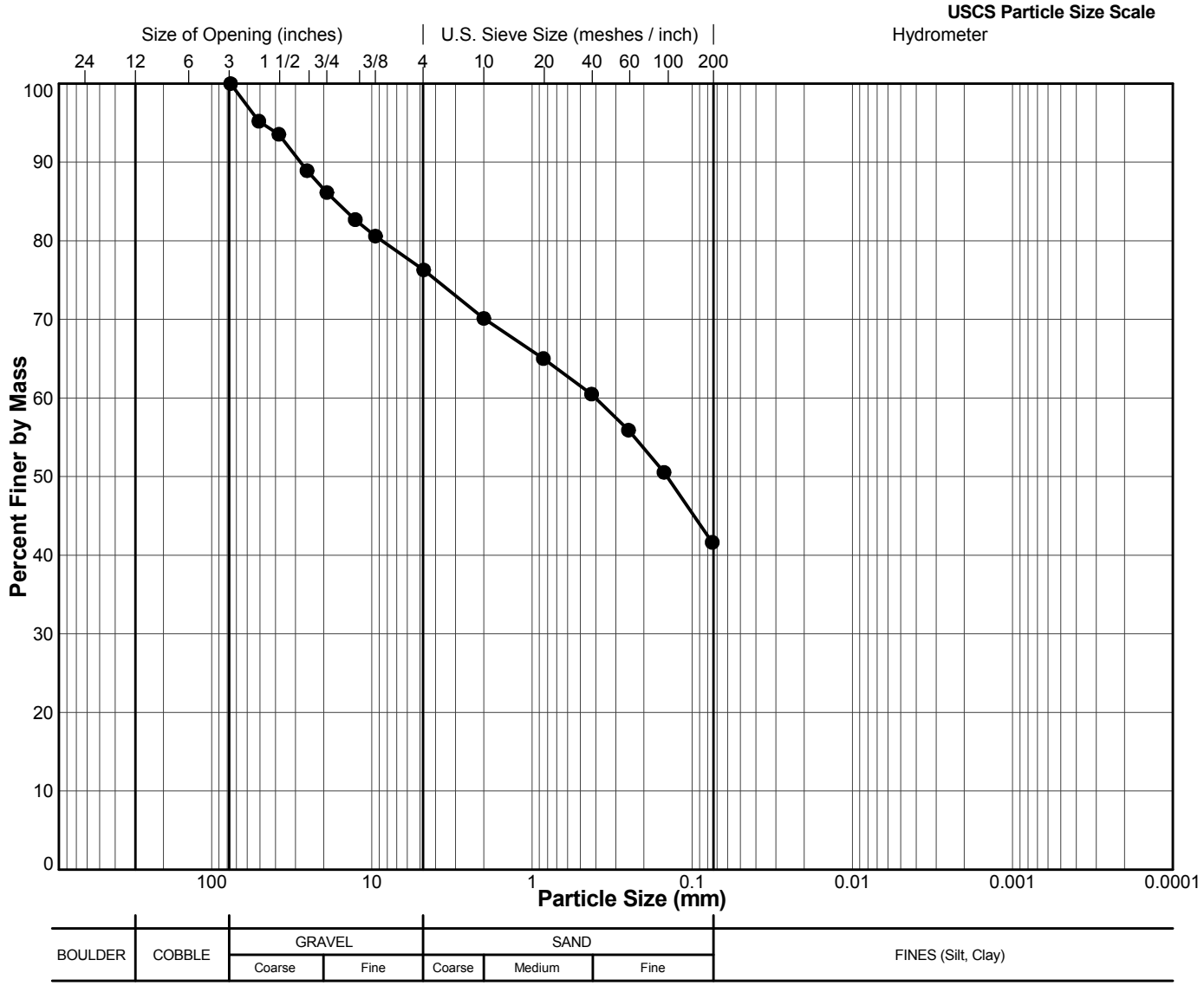
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-47**
Project: 2012 Drilling Program	**Sample No.: 1 to 10**
Location: Meliadine Gold Project	**Depth Interval (m):** 16.60 to 17.30
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 76.2	

Method: Split, Washed



EB/MM	**9/7/2012**	**LP**	**9/25/2012**
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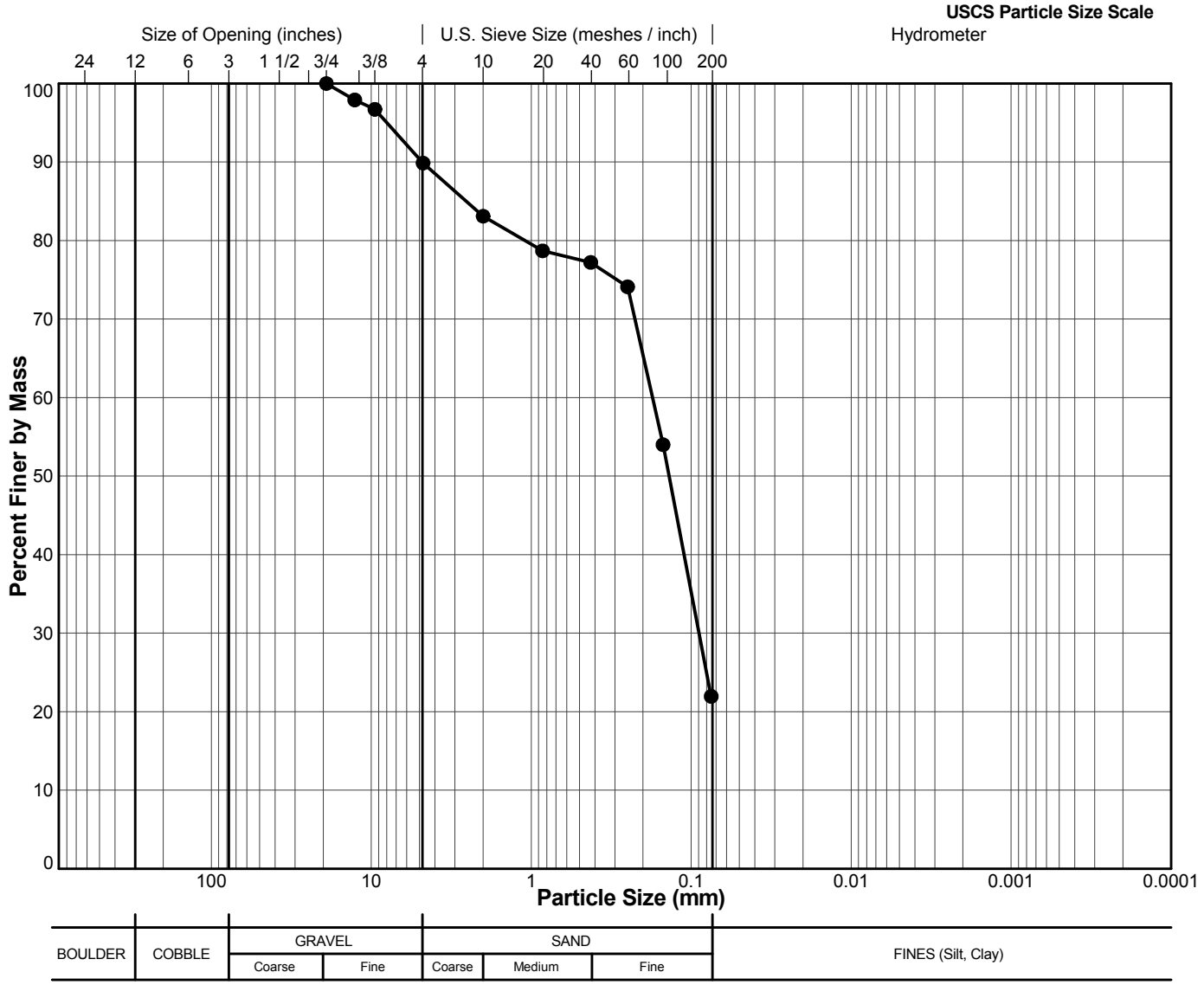
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-58**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.45 to 2.85
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	
Method: Split, Washed	



SK	**6/19/2012**	**LP**	**6/20/2012**
Tech	Date	Checked	Date

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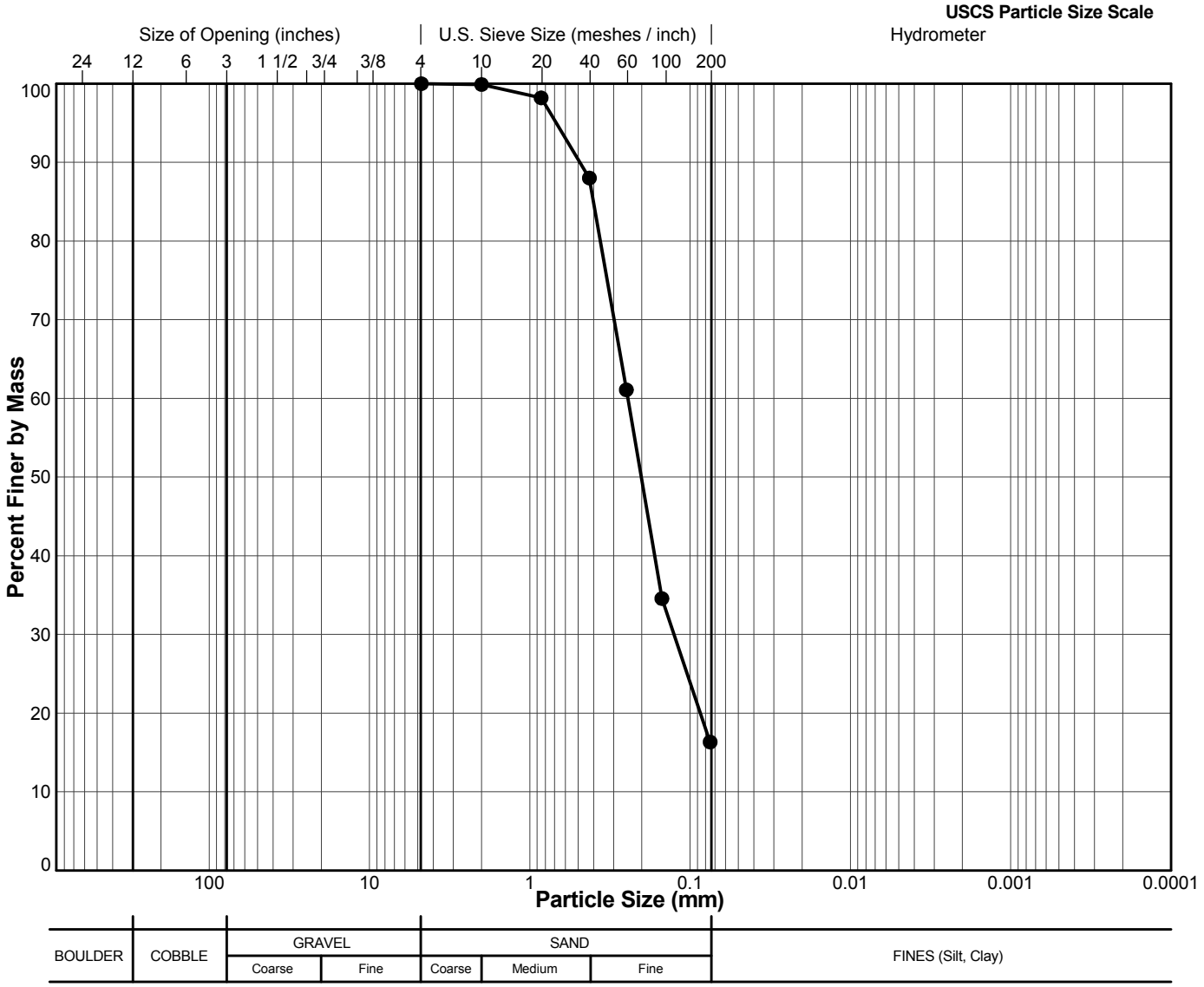
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-60**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.35 to 2.88
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 4.75	
Method: Split, Washed	



BM	9/12/2012	LP	9/25/2012
Tech	Date	Checked	Date

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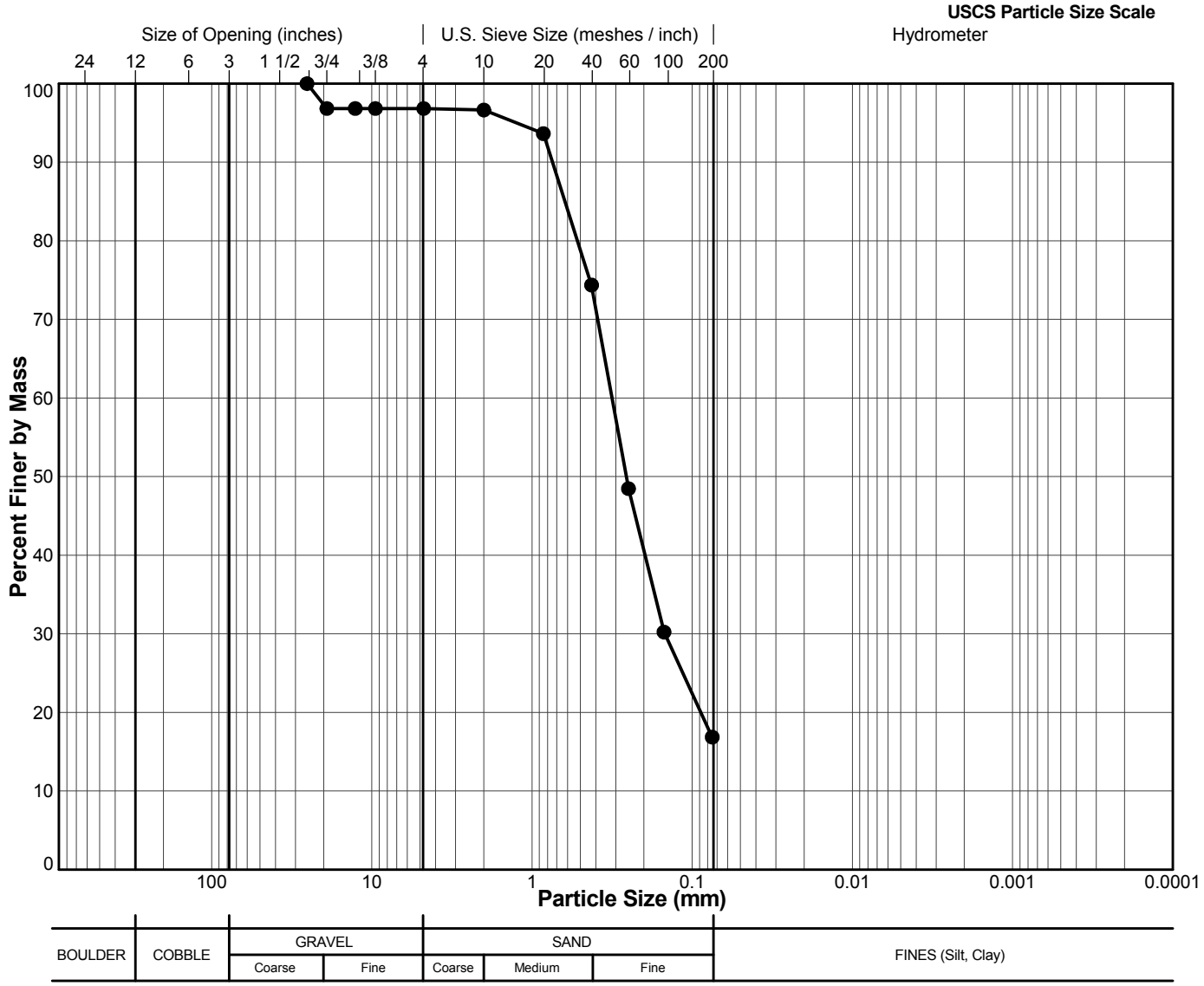
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-60**
Project: 2012 Drilling Program	**Sample No.: 2**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.90 to 3.90
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 25.4	
Method: Split, Washed	



BM	**9/12/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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PARTICLE SIZE ANALYSIS OF SOILS

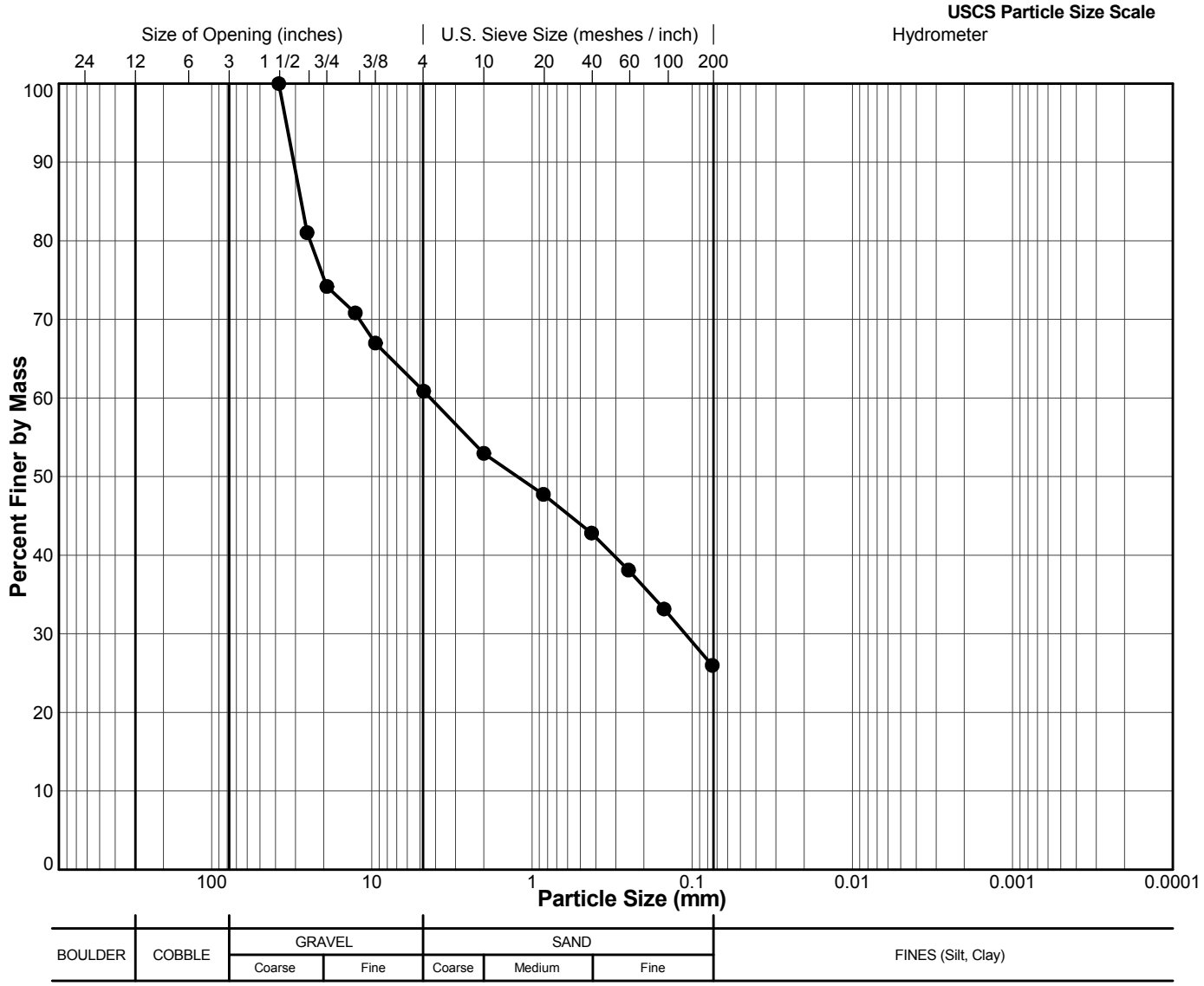
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-60**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 6.65 to 6.80
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 38.1	

Method: Split, Washed



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Tech	Date	Checked	Date

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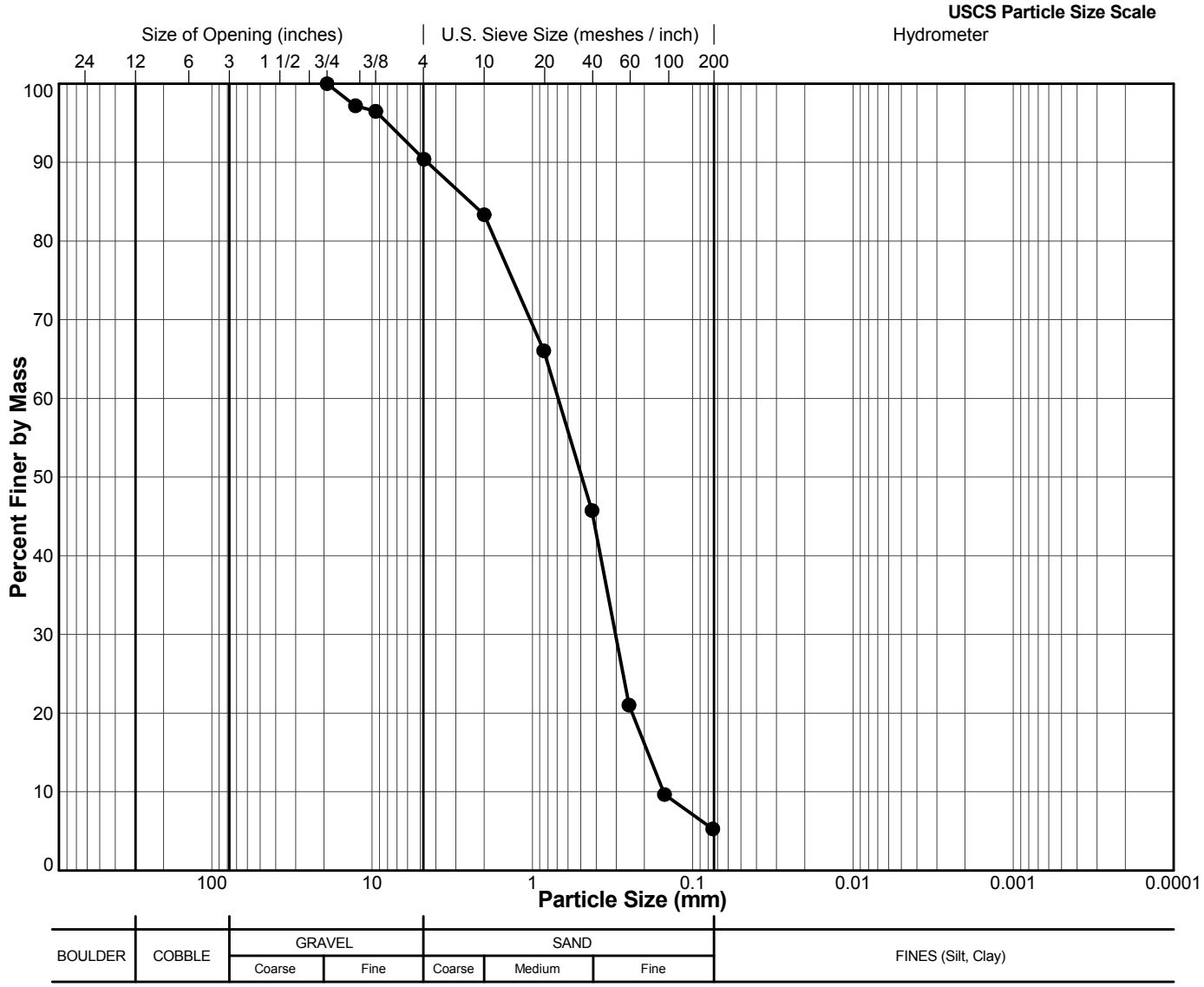
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-63**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.30 to 1.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

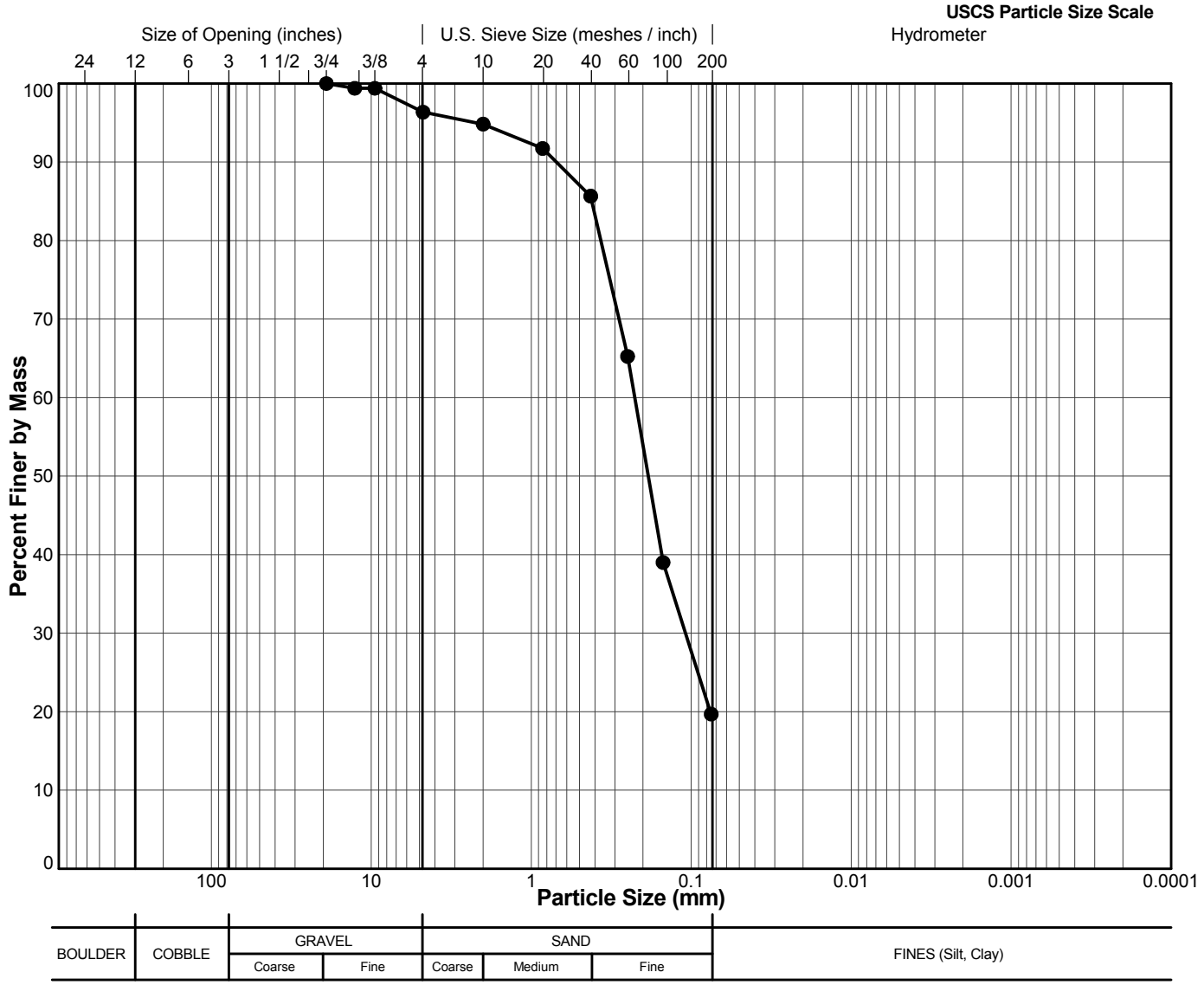
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-63**
Project: 2012 Drilling Program	**Sample No.: 2a+2b Combined**
Location: Meliadine Gold Project	**Depth Interval (m):** 1.50 to 2.70
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 19.1	

Method: Split, Washed



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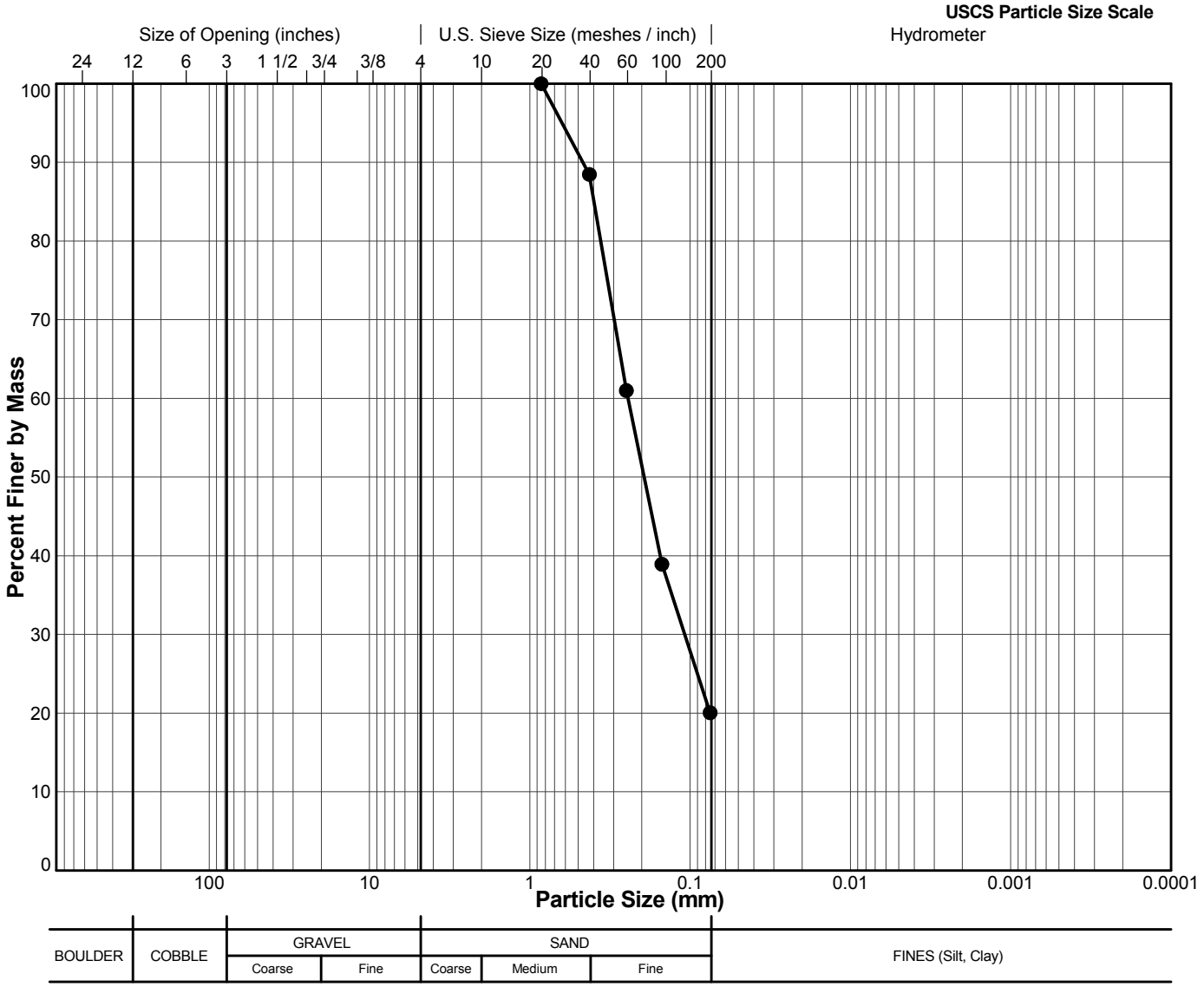
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-63**
Project: 2012 Drilling Program	**Sample No.: 3**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.80 to 3.20
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 0.85	
Method: Split, Washed	



EB	**9/5/2012**	**LP**	**9/25/2012**
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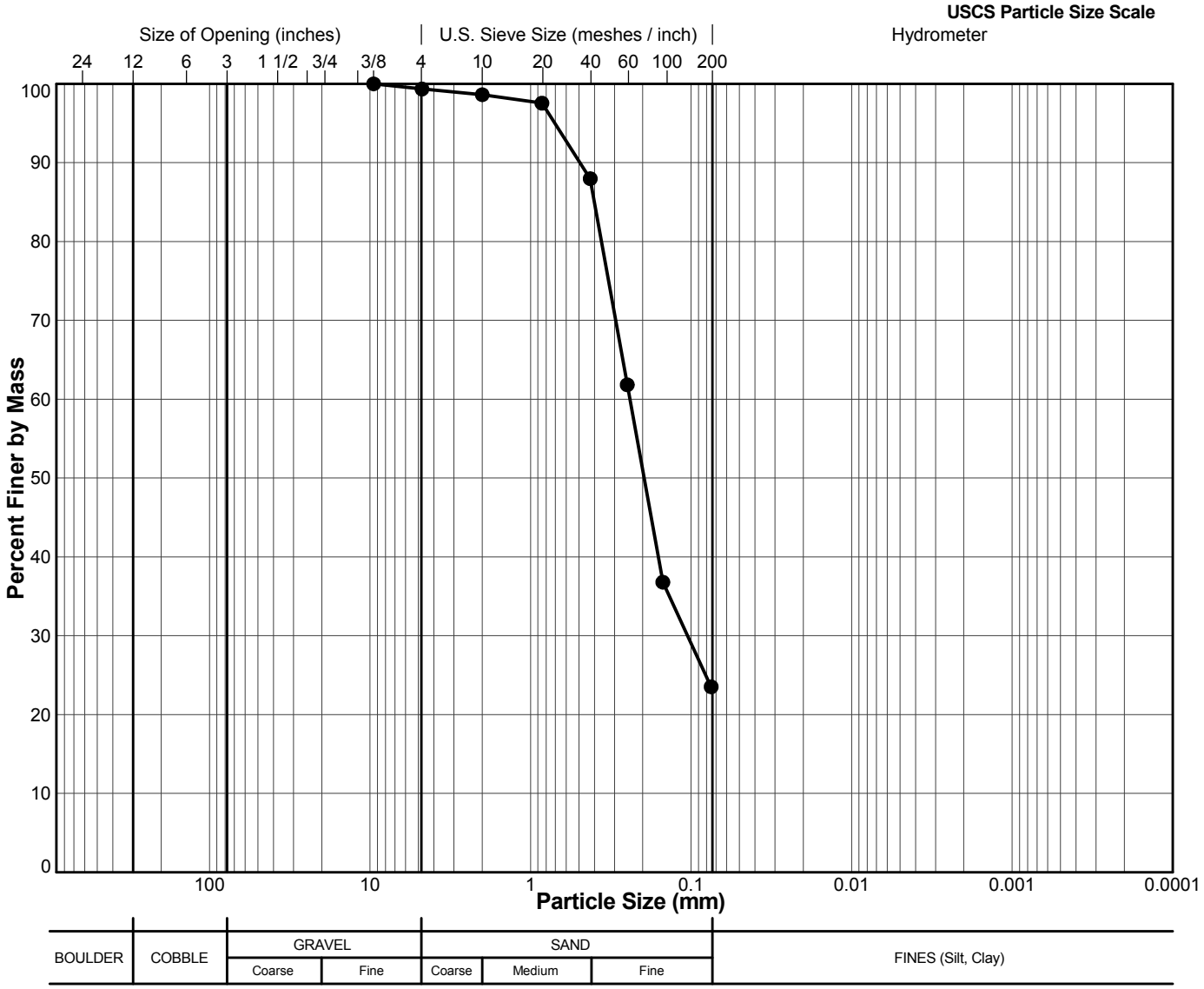
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-63**
Project: 2012 Drilling Program	**Sample No.: 4**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.35 to 3.45
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	
Method: Split, Washed	



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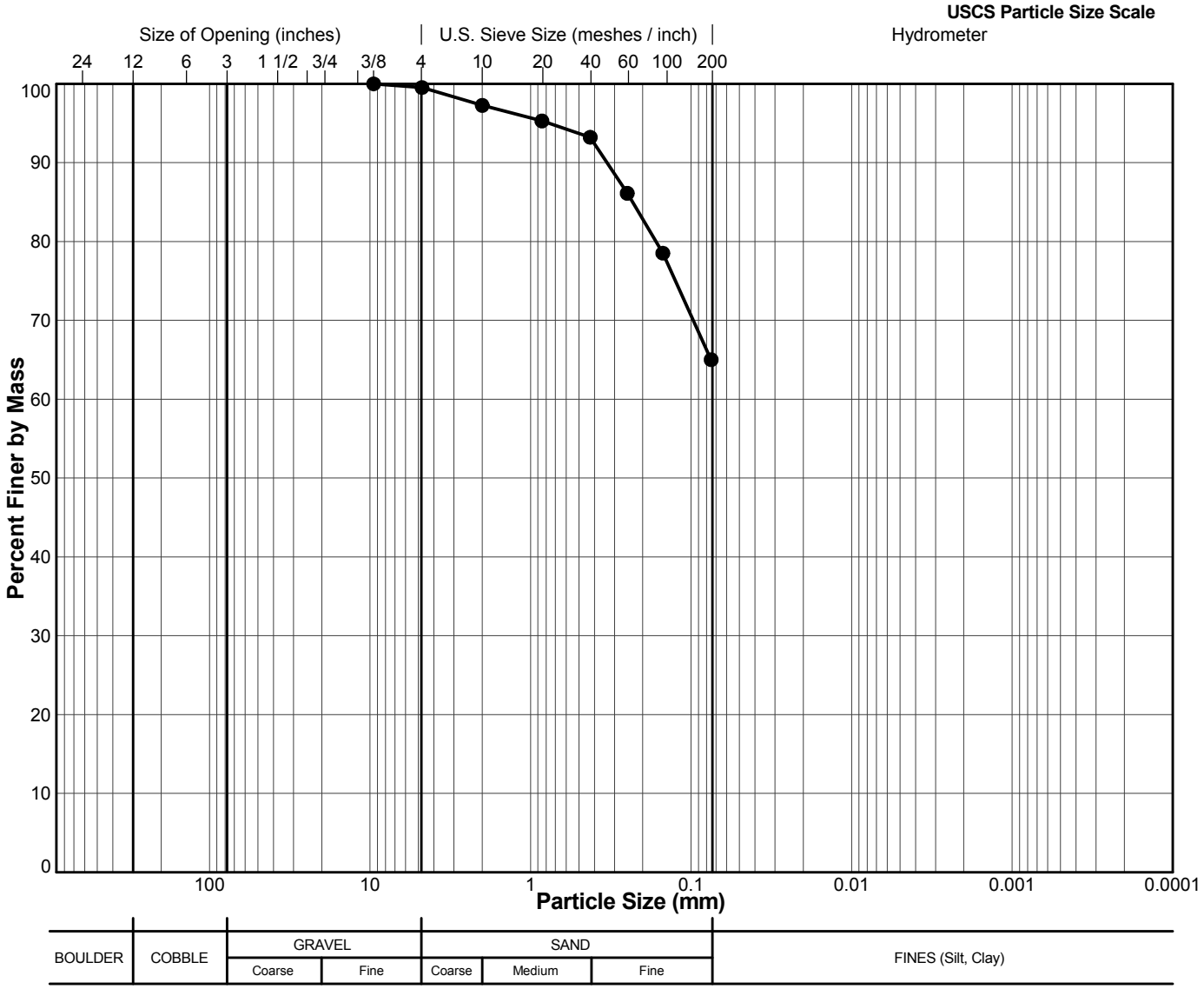
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-64**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 2.04 to 2.50
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 9.5	
Method: Split, Washed	



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PARTICLE SIZE ANALYSIS OF SOILS

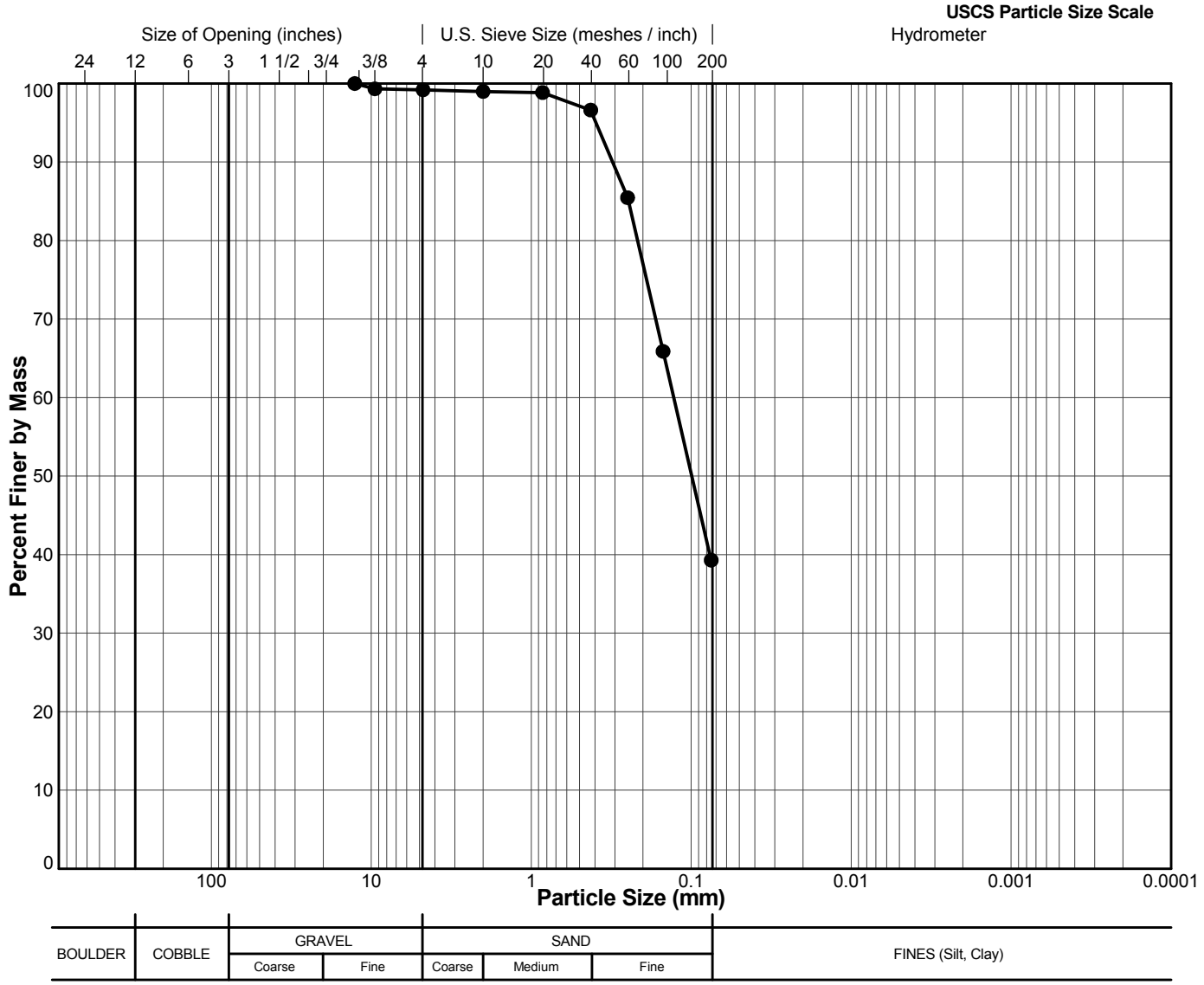
Reference(s)
ASTM D 422-63 (2007)

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-64**
Project: 2012 Drilling Program	**Sample No.: 2a+2b Combined**
Location: Meliadine Gold Project	**Depth Interval (m):** 3.00 to 3.75
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	

Method: Split, Washed



EB	**9/5/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

Golder Associates Ltd.
500 - 4260 Still Creek Drive Burnaby, British Columbia 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

File:O:\ACTIVE_2011\1428\11-1428-0011_AEMMELIADINETALINGS\3200_2012 DRILLING PROGRAM\GINT\MASTERFILE 14AUG2012\MASTER_FILE_22AUGUST2012.GPJ Output Form:_LAB_PARTICLE SIZE (SINGLE) Template:BC REGION TEMPLATE BETA 2.GDT Library:BC REGION LIBRARY.GLB ebarnes 10/03/12

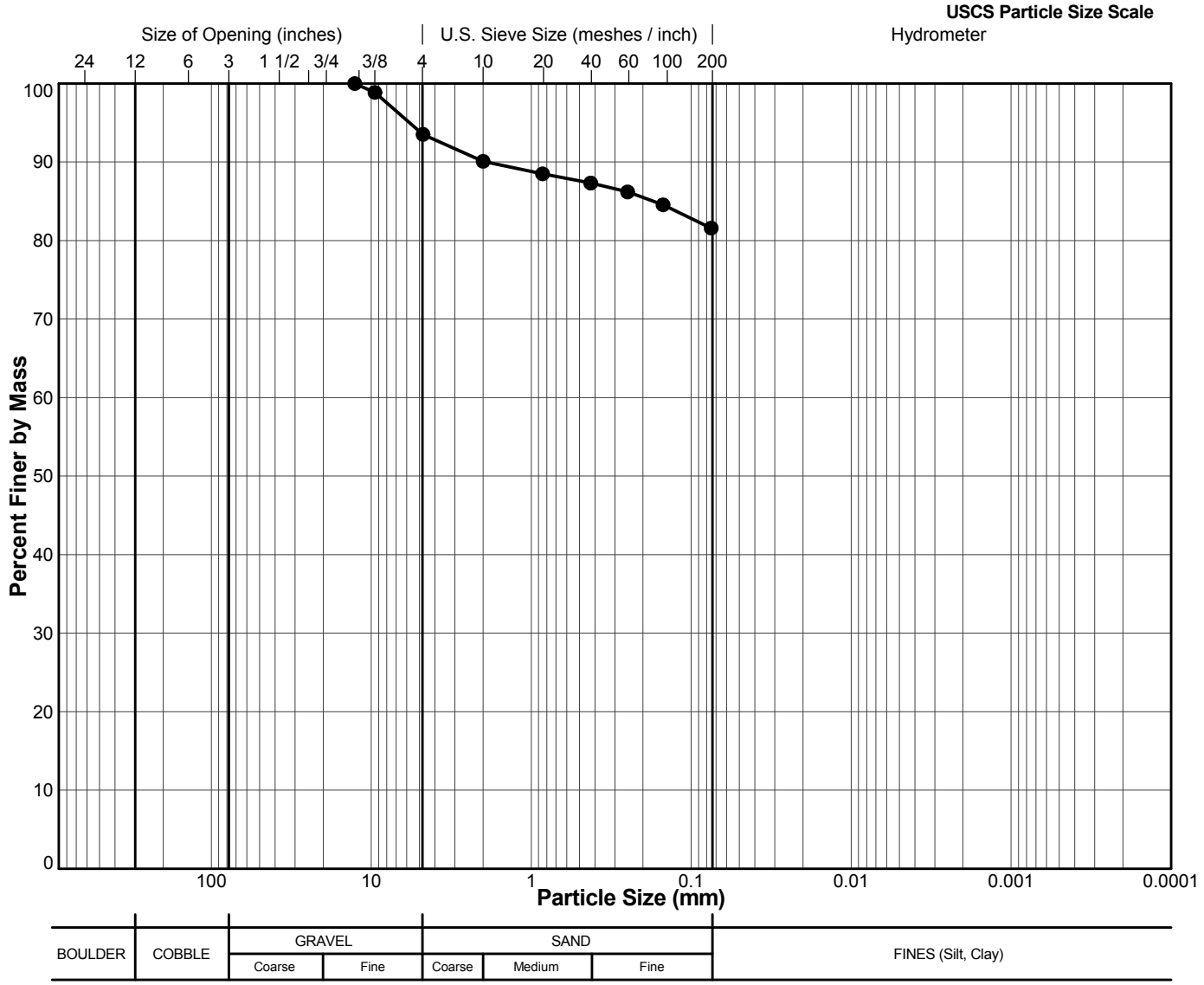
PARTICLE SIZE ANALYSIS OF SOILS

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

Client: Agnico-Eagle Mines Ltd.	**Borehole ID: GT12-69**
Project: 2012 Drilling Program	**Sample No.: 1**
Location: Meliadine Gold Project	**Depth Interval (m):** 6.75 to 6.80
Project No.: 11-1428-0011 **Phase:** 3200 **Task:** 3300	**Lab Schedule No.:** 143

Other Remarks: **N/A**

Specific Gravity (assumed):	**Shape:**
Max. Particle Size Passing (mm): 12.7	
Method: Split, Washed	



BM	**9/12/2012**	**LP**	**9/25/2012**
Tech	Date	Checked	Date

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APPENDIX C

Thermistor Certificate of Compliance Forms

innovation in geotechnical instrumentation

Certificate of Compliance

RST Instruments Ltd., 11545 Kingston St., Maple Ridge, British Columbia, Canada V2X 0Z5
Tel: 604 540 1100 • Fax: 604 540 1005 • Toll Free: 1 800 665 5599 (North America only)
e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Model DT2055 Vibrating Wire Data Logger

This is to certify that s/n 02414 meets RST Instruments specifications for this product.

Technician: J. Chu

Date: May 25, 2012

ELL0220A

innovation in geotechnical instrumentation

Certificate of Compliance

RST Instruments Ltd., 11545 Kingston St., Maple Ridge, British Columbia, Canada V2X 0Z5
Tel: 604 540 1100 • Fax: 604 540 1005 • Toll Free: 1 800 665 5599 (North America only)
e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Model DT2055 Vibrating Wire Data Logger

This is to certify that s/n 02415 meets RST Instruments specifications for this product.

Technician: J. Chu

Date: May 25, 2012

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Tel: 604 540 1100 • Fax: 604 540 1005 • Toll Free: 1 800 665 5599 (North America only)
e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Certificate of Compliance

Model DT2055 Vibrating Wire Data Logger

This is to certify that s/n 02416 meets RST Instruments specifications for this product.

Technician: J. Chu

Date: May 25, 2012

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instrumentation

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e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Certificate of Compliance

Model DT2055 Vibrating Wire Data Logger

This is to certify that s/n 02413 meets RST Instruments specifications for this product.

Technician: J. Chu

Date: May 25, 2012

ELL0220A

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Tel: 604 540 1100 • Fax: 604 540 1005 • Toll Free: 1 800 665 5599 (North America only)
e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Certificate of Compliance

Thermistor Strings

Customer: Golder Associates-Burnaby
Work Order: Q022990
Thermistor Type: 2252 Ω

Number of Points: 10
Length: 21.5 m

This is to certify that Thermistor String S/N: TS3335 - TS3338 meets the RST Instruments specifications for the product.

Technician: W. Mok DM Date: 29 May, 2012

THM0008B

Applied Science Technologists and Technicians of British Columbia
22724
A.C
AL CULLEY
AScT

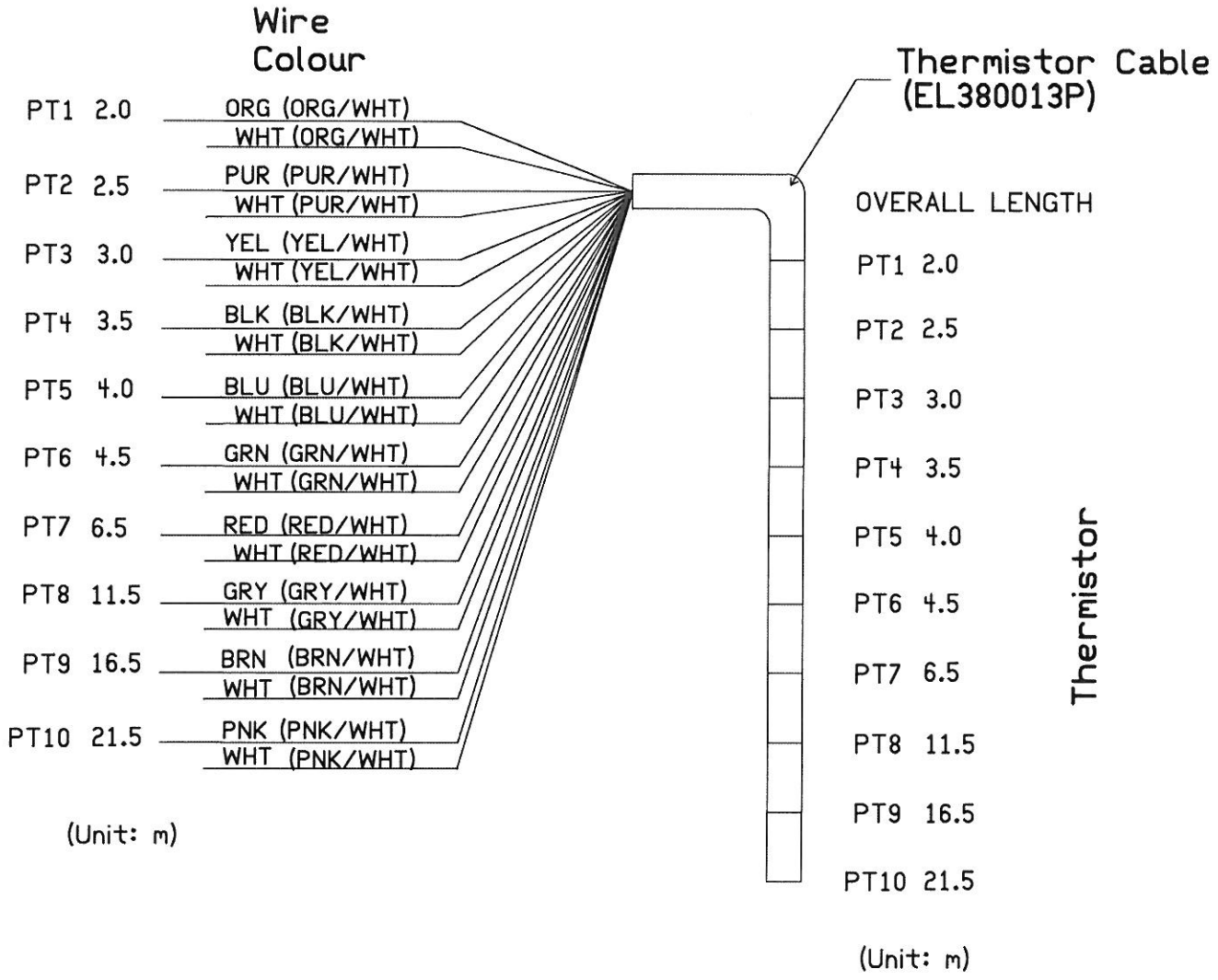
Resistance versus Temperature Relationship 2252 NTC Thermistors

R ohms	T deg C
76000	-40.04
75000	-39.84
74000	-39.64
73000	-39.43
72000	-39.23
71000	-39.01
70000	-38.80
69000	-38.58
68000	-38.36
67000	-38.13
66000	-37.90
65000	-37.67
64000	-37.43
63000	-37.19
62000	-36.95
61000	-36.70
60000	-36.44
59000	-36.18
58000	-35.92
57000	-35.65
56000	-35.37
55000	-35.09
54000	-34.81
53000	-34.52
52000	-34.22
51000	-33.92
50000	-33.60
49000	-33.29
48000	-32.96
47000	-32.63
46000	-32.29
45000	-31.94
44000	-31.58
43000	-31.22
42000	-30.84
41000	-30.45
40000	-30.06
39000	-29.65
38000	-29.23
37000	-28.80
36000	-28.35
35000	-27.89
34000	-27.42
33000	-26.93
32000	-26.42
31000	-25.89
30000	-25.35
29000	-24.79
28000	-24.20
27000	-23.59
26000	-22.95
25000	-22.29
24000	-21.60
23000	-20.87
22500	-20.49
22000	-20.11

R ohms	T deg C
21500	-19.71
21000	-19.30
20500	-18.89
20000	-18.46
19500	-18.02
19000	-17.56
18500	-17.10
18000	-16.61
17500	-16.12
17000	-15.61
16500	-15.08
16000	-14.53
15800	-14.30
15600	-14.07
15400	-13.84
15200	-13.61
15000	-13.37
14800	-13.13
14600	-12.88
14400	-12.64
13900	-12.00
13400	-11.33
12900	-10.64
12400	-9.91
12200	-9.61
12000	-9.31
11800	-9.00
11600	-8.68
11400	-8.36
11200	-8.03
11000	-7.69
10800	-7.35
10600	-7.00
10400	-6.64
10200	-6.28
10000	-5.90
9800	-5.52
9600	-5.13
9400	-4.73
9200	-4.32
9000	-3.90
8800	-3.47
8700	-3.25
8600	-3.03
8500	-2.81
8400	-2.58
8300	-2.35
8200	-2.12
8100	-1.88
8000	-1.64
7900	-1.39
7800	-1.15
7700	-0.90
7600	-0.64
7500	-0.38
7400	-0.12

R ohms	T deg C
7300	0.15
7200	0.42
7100	0.69
7000	0.97
6900	1.26
6800	1.54
6700	1.84
6600	2.14
6500	2.44
6400	2.75
6300	3.06
6200	3.38
6100	3.71
6000	4.04
5900	4.38
5800	4.72
5700	5.07
5600	5.43
5500	5.79
5400	6.17
5300	6.55
5200	6.94
5100	7.33
5000	7.74
4900	8.16
4800	8.58
4700	9.02
4600	9.46
4500	9.92
4400	10.39
4300	10.87
4200	11.36
4100	11.87
4000	12.39
3900	12.93
3850	13.20
3800	13.48
3750	13.76
3700	14.05
3650	14.34
3600	14.63
3550	14.93
3500	15.24
3450	15.55
3400	15.86
3350	16.18
3300	16.51
3250	16.84
3200	17.18
3150	17.52
3100	17.87
3050	18.23
3000	18.59
2950	18.96
2900	19.33
2850	19.72

R ohms	T deg C
2800	20.11
2750	20.51
2700	20.92
2650	21.33
2600	21.76
2550	22.19
2500	22.64
2450	23.09
2400	23.56
2350	24.04
2300	24.52
2250	25.02
2200	25.54
2150	26.06
2100	26.60
2050	27.16
2000	27.73
1950	28.32
1900	28.92
1880	29.17
1860	29.42
1840	29.67
1820	29.93
1800	30.19
1780	30.45
1760	30.72
1740	30.99
1720	31.26
1700	31.54
1680	31.82
1660	32.10
1640	32.39
1620	32.69
1600	32.98
1580	33.28
1560	33.59
1540	33.90
1520	34.21
1500	34.53
1480	34.85
1460	35.18
1440	35.52
1420	35.86
1400	36.20
1380	36.55
1360	36.91
1340	37.27
1320	37.64
1300	38.02
1280	38.40
1260	38.79
1240	39.18
1220	39.58
1200	40.00
1180	40.41
1160	40.84



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Title:	THERMISTOR CABLE		
J/N:	WOQ022990	Revision:	A
Author:	WY	Size:	A
Date:	2012/05/15	Sheet	1 of 1

S/N: TS3335-TS3338

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Tel: 604-540-1100
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e-mail: admin@rstinstruments.com

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HUGH CARTER
(604) 296-2838 Ext.

CUST. NO.	SALES REP.	PURCH. ORDER NO.	SHIP VIA	SHIP DATE
GOLD02	Hayley Croteau	1114280011.3200	PUROLATOR AIR PPD & CHG	31-May-12

QTY. ORD.	SHIPPED	PART NO. / PART DESCRIPTION	UNIT PRICE
4.00	EA 4	TH0021-10-21.5 10 POINT THERMISTOR STRING - 21.5M LENGTH, WITH NO CONNECTOR SENSORS AT 2M, 2.5M, 3M, 3.5M, 4M, 4.5M, 6.5M, 11.5M, 16.5M AND 21.5M FROM TOP OF CABLE TH0021 MULTI THERMISTOR PT. 2252 ohm 0.1° C EL380013P 13 PAIR 24 AWG STC, 1xKEVLAR #49, WATER BLOCKED PU JACKE	
4.00	EA 4	DT2055-T 10 CHANNEL LOGGER w/ 1 CABLE GLAND C/W CD AND COMMUNICATION CABLE SERIAL NUMBER(S): 02413 - 02416	

Subject to RST Instruments Sales Terms and Conditions (http://www.rstinstruments.com/StandardTerms.pdf).

① - 57 x 57 x 32 cm @ 17 Kg.

PACKING LIST

MIL 0016A

E-4

APPENDIX D

Soil and Rock Core Photographs

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-01
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 12.78 M

Golder Associates

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REVIEW	REM	09-28-12		

D1

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PROJECT
AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE
BOREHOLE GT12-01
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 12.78 M

Golder Associates

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REVIEW	REM	09-28-12		

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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 7.27 M

Golder Associates

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REVIEW	REM	09-28-12		

D3

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 7.27 M

Golder Associates

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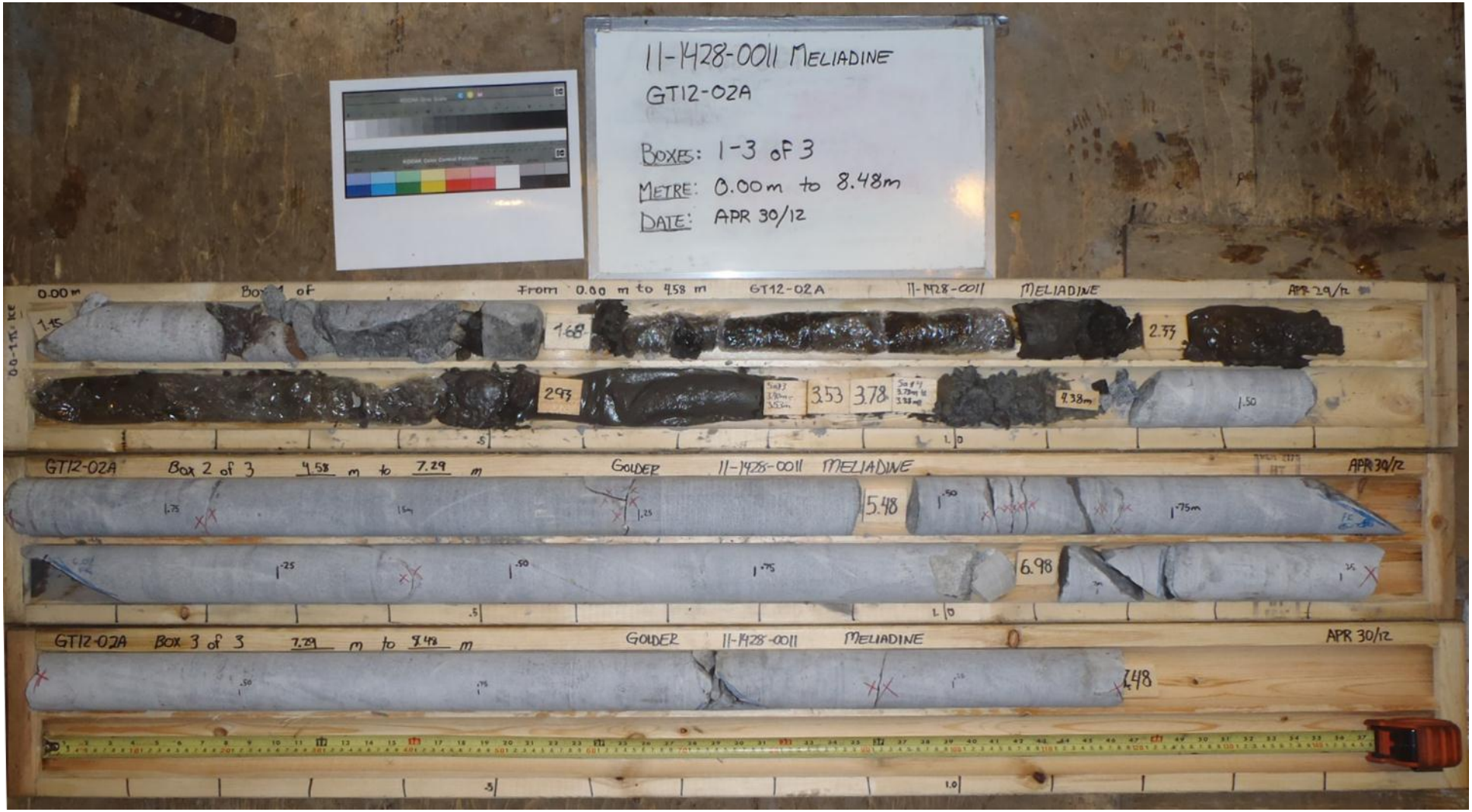

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02A
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 8.48 M

Golder Associates

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02A
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 8.48 M

Golder Associates

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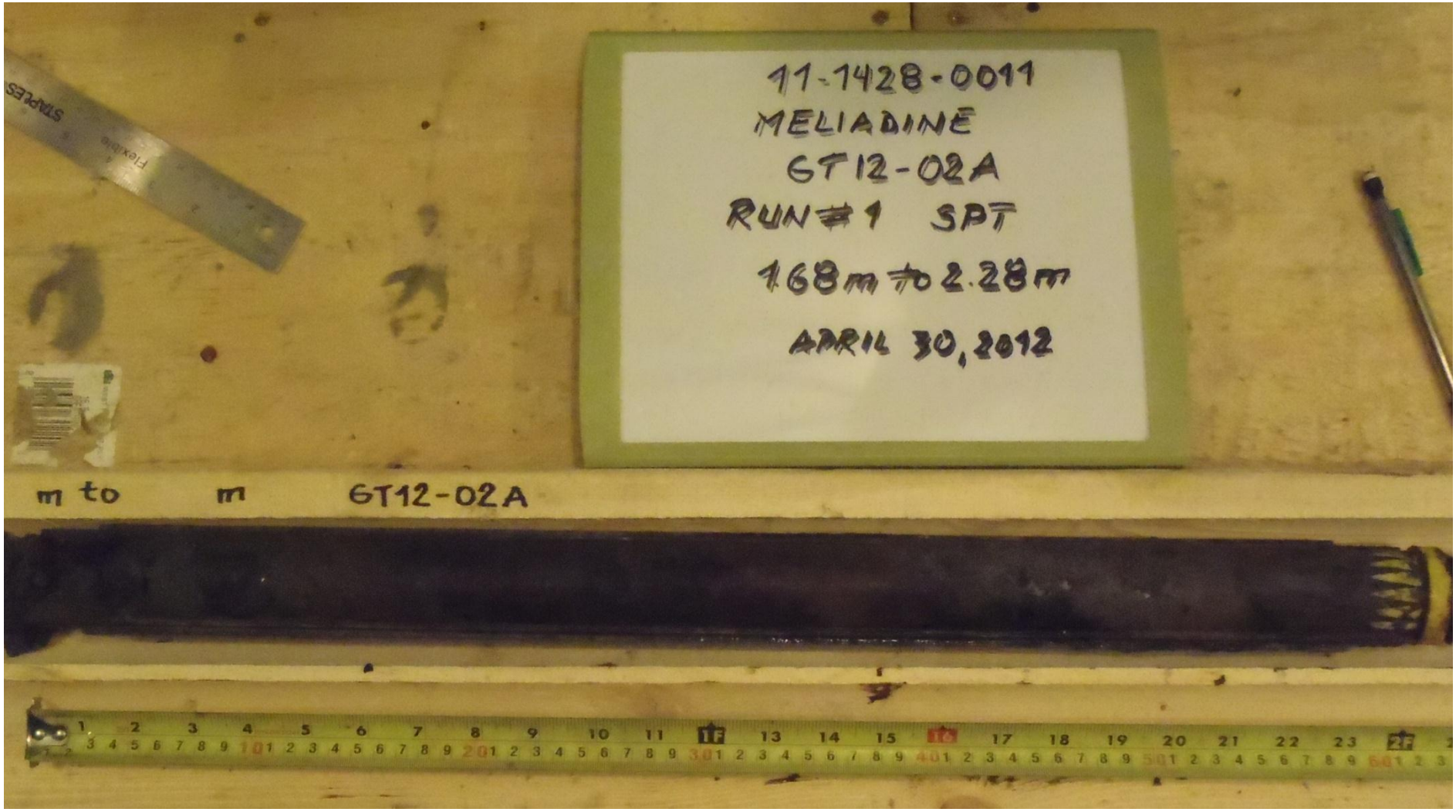

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02A
HQ DIAMOND DRILL RUN #1 SPT PHOTOGRAPH FROM 1.68 M TO 2.28 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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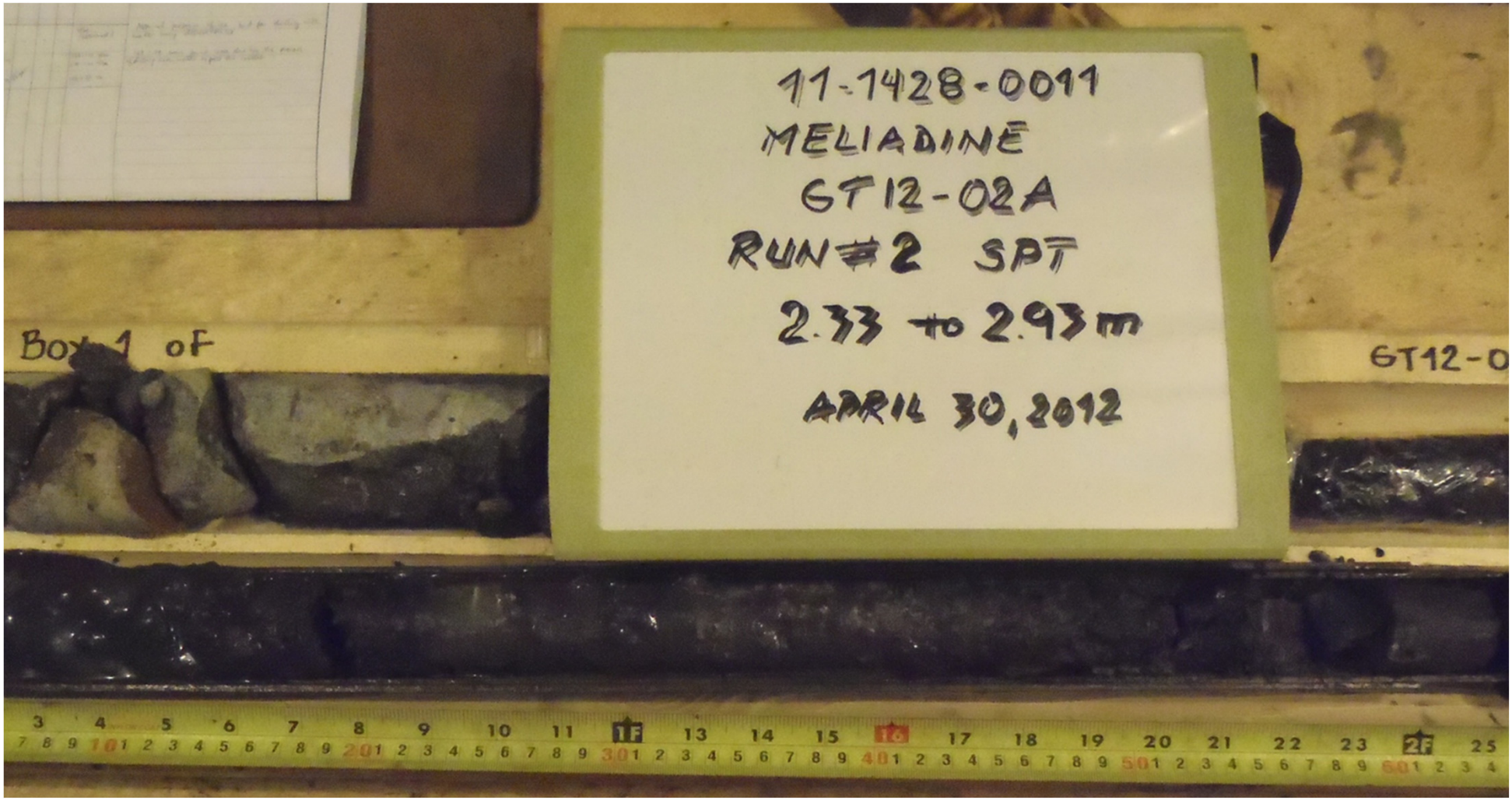

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02A
HQ DIAMOND DRILL RUN #2 SPT PHOTOGRAPH FROM 2.33 M TO 2.93 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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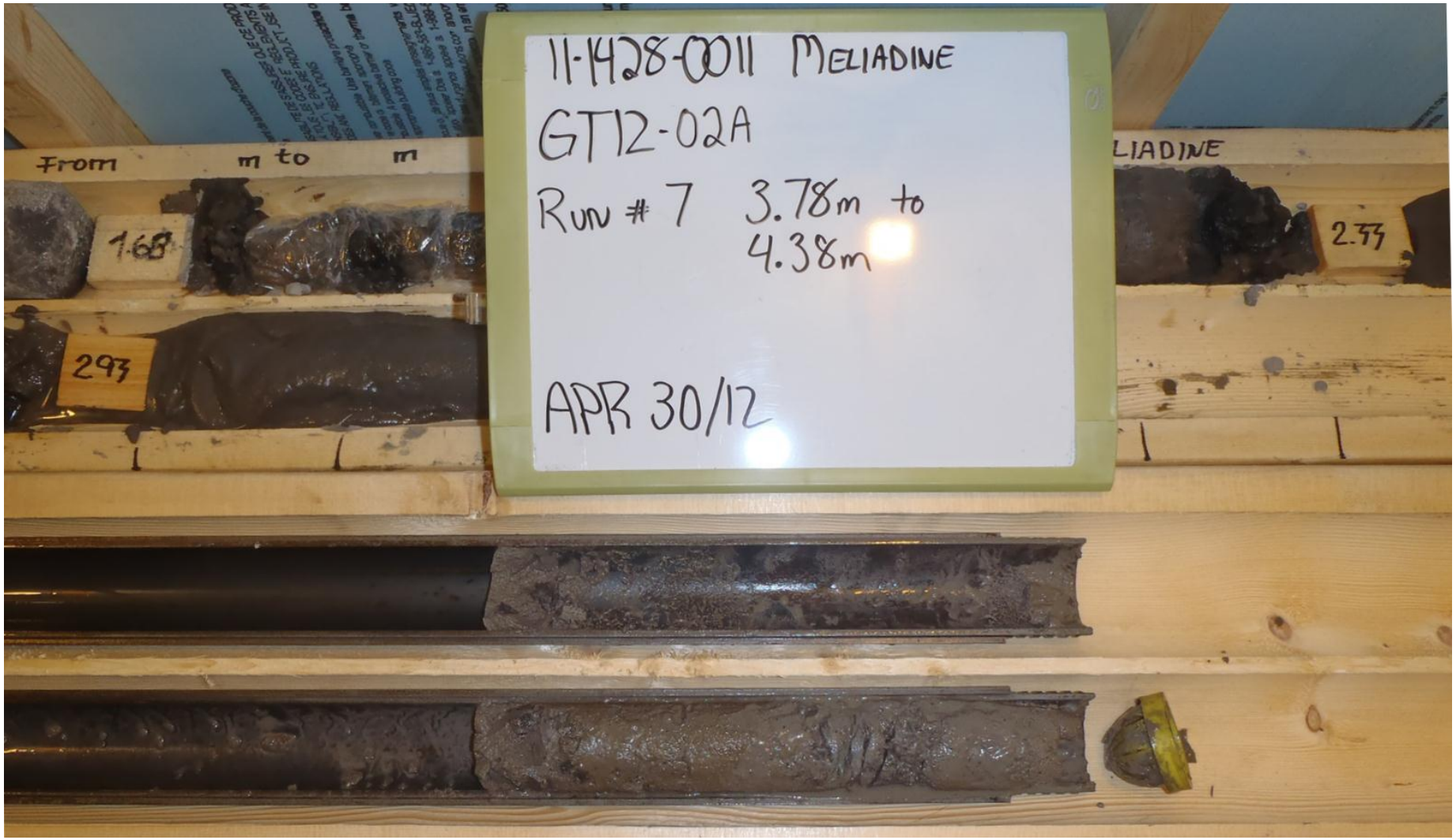

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-02A
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH
FROM 3.78 M TO 4.38 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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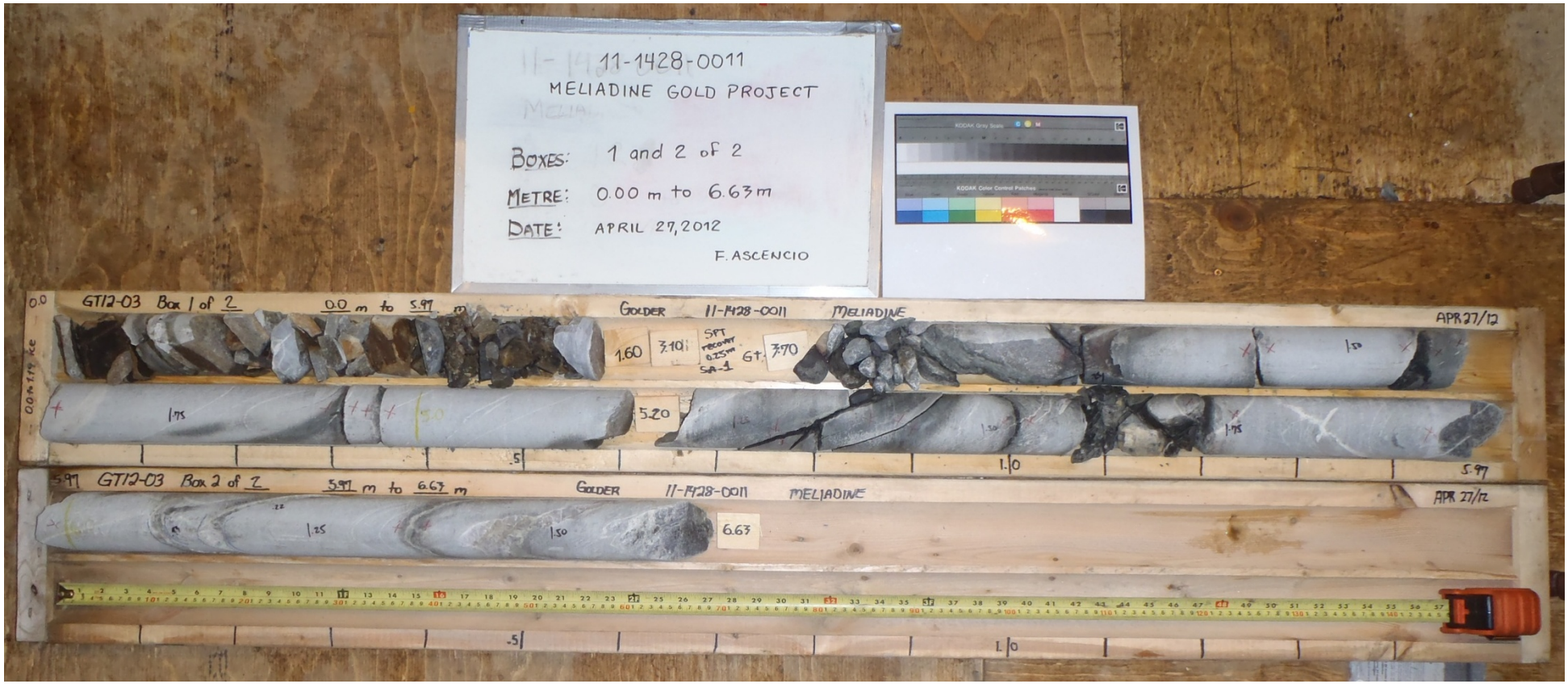

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 6.63 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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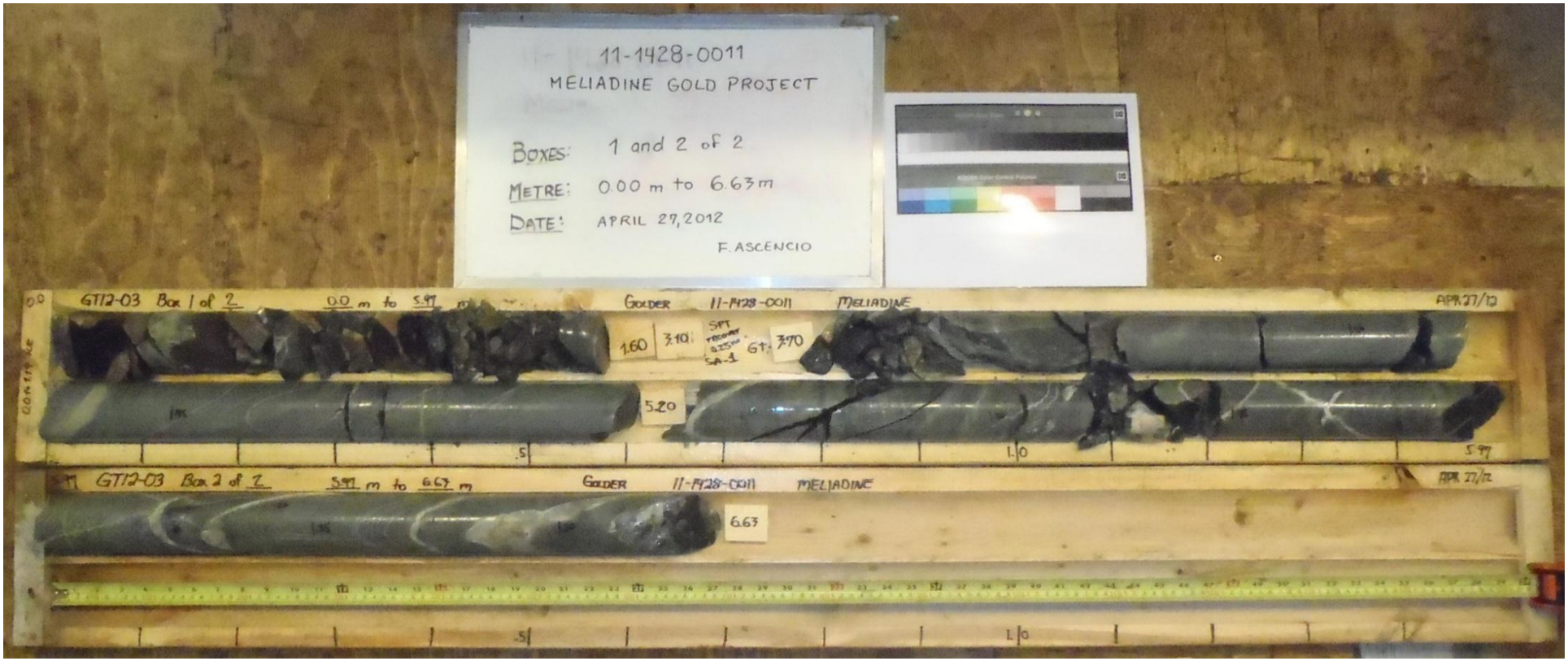

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 6.63 M

Golder Associates

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03
HQ DIAMOND DRILL SA #1 PHOTOGRAPH
FROM 3.10 M TO 3.25 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

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PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-03B** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 5.15 M**

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
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REVIEW	REM	09-28-12			

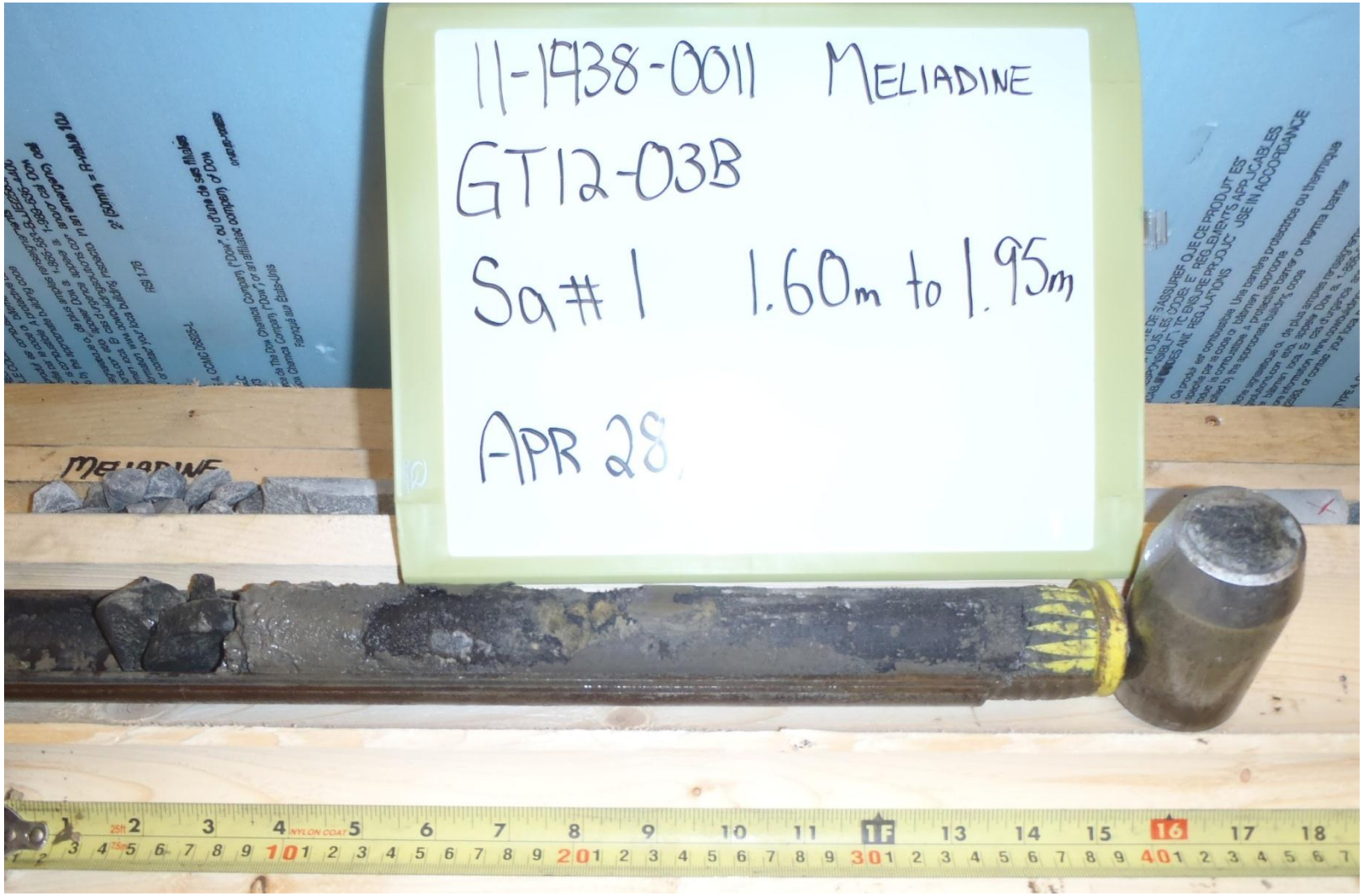
FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-03B** **WET HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 5.15 M**

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
CADD	CR	08-30-12	D14		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03B
HQ DIAMOND DRILL SA #1 PHOTOGRAPH
FROM 1.60 M TO 1.95 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D15

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03B
HQ DIAMOND DRILL SA #3 PHOTOGRAPH
FROM 2.10 M TO 2.45 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
CADD	CR	08-30-12	D16		
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03B
HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 2.45 M TO 2.65 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D17

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-03B HQ DIAMOND DRILL RUN #6 PHOTOGRAPH FROM 2.65 M TO 3.25 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D18

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-03B
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH
FROM 3.25 M TO 3.85 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D19

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	RFM	09-28-12		

D20

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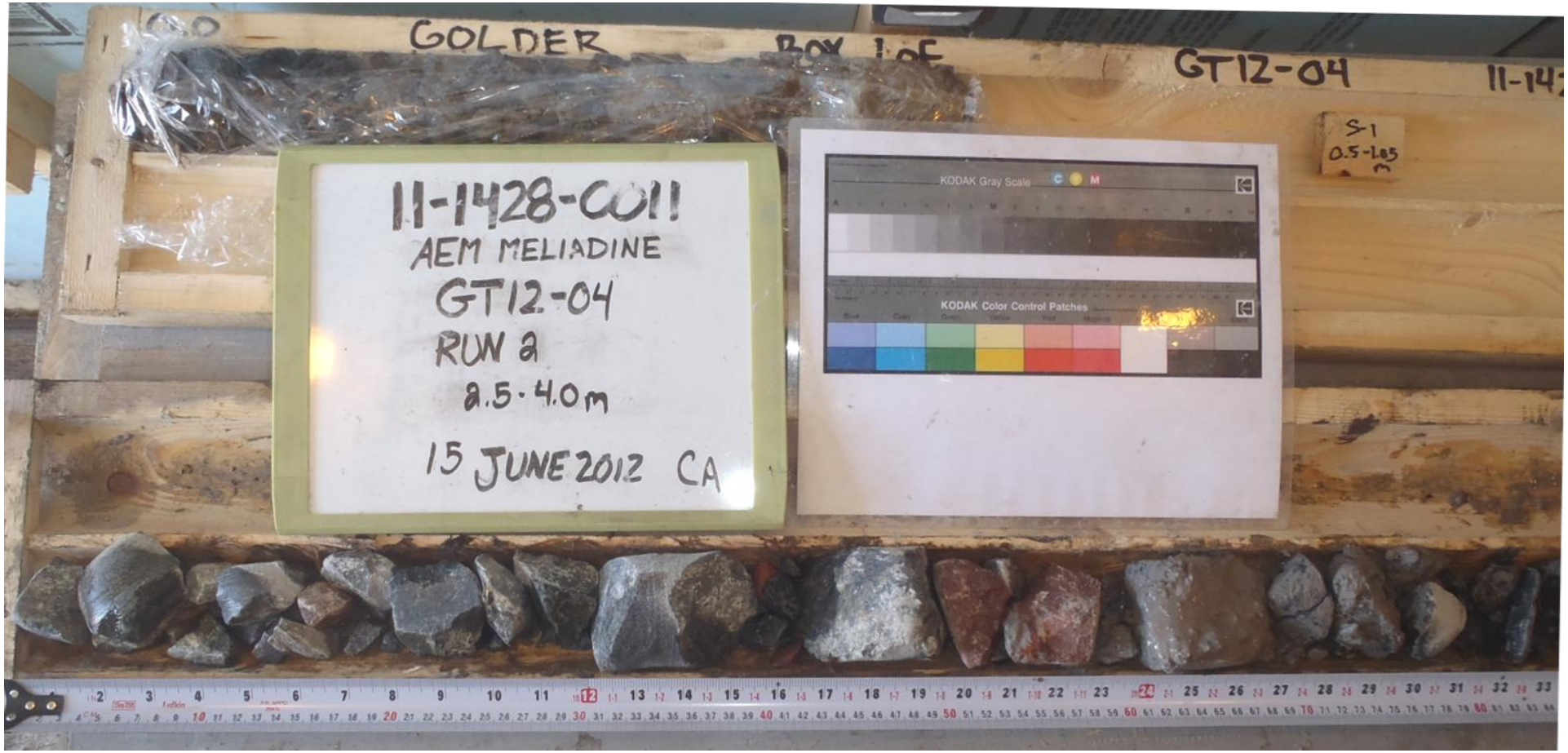


PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D21

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

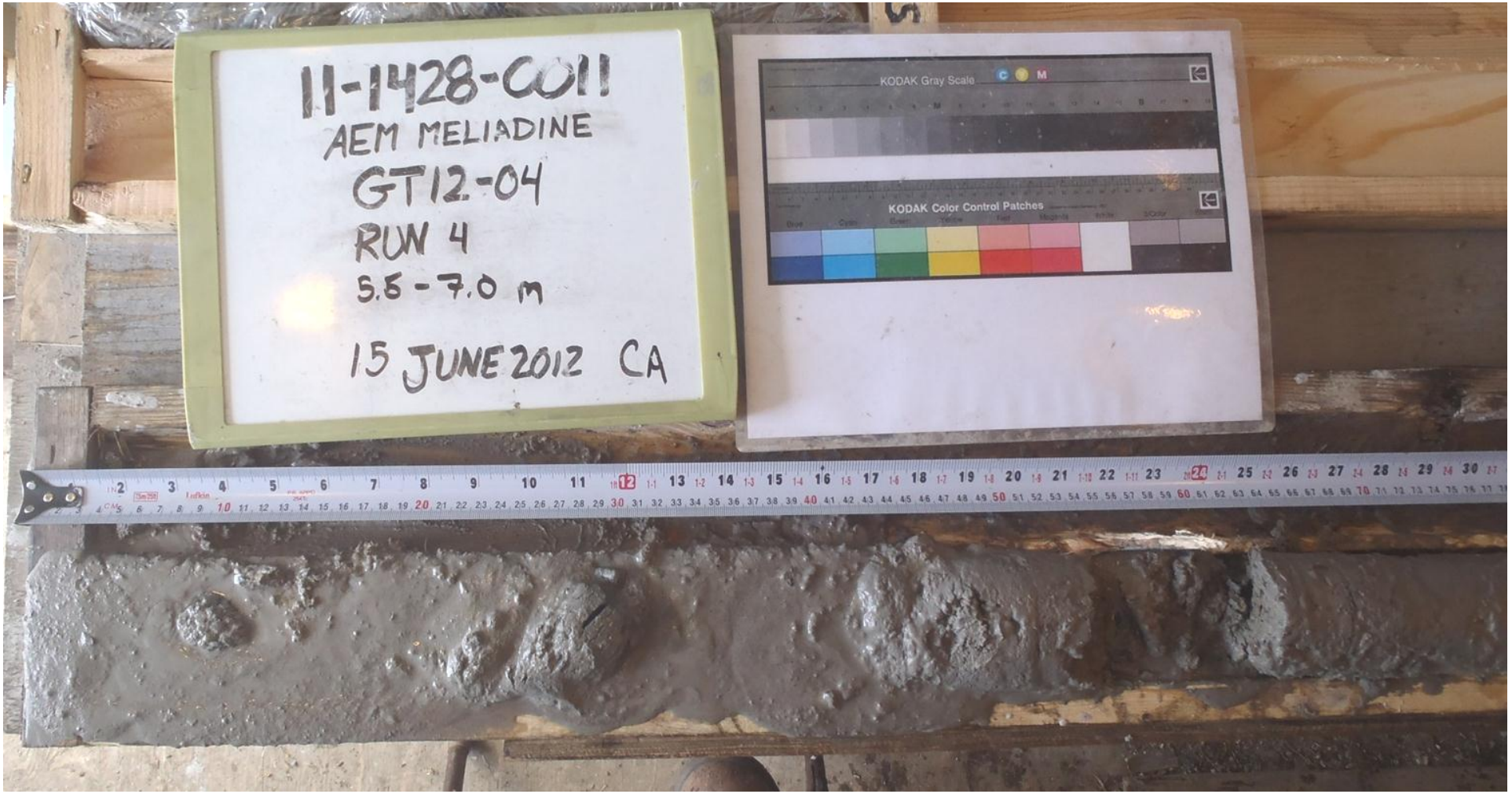
BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #3 PHOTOGRAPH FROM 4.00 M TO 5.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D22

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 5.50 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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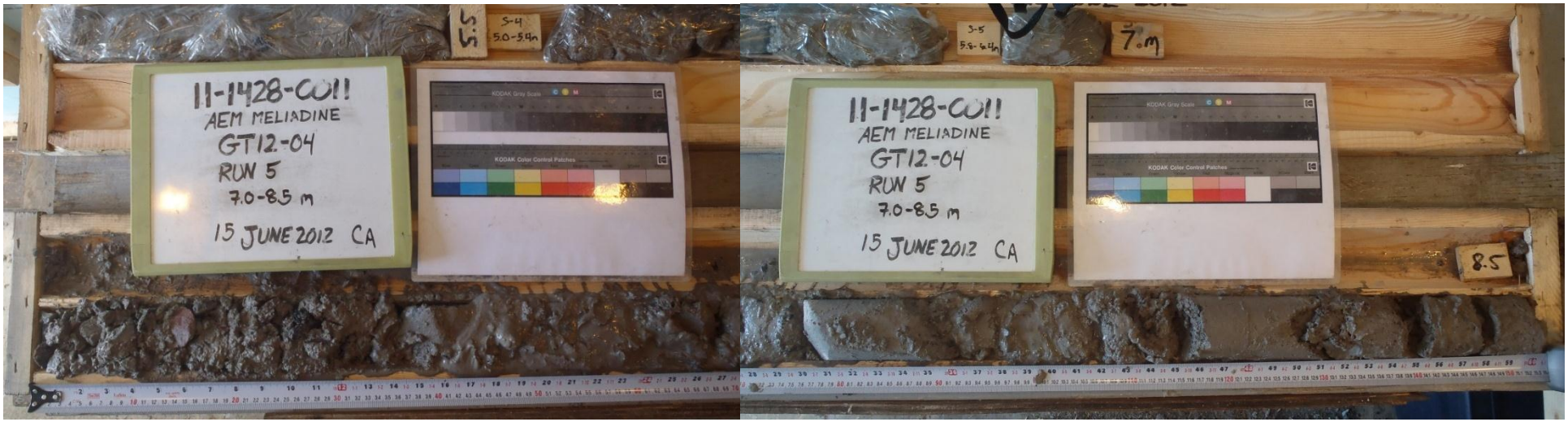
REVIEW	REM	09-28-12		



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D24	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #6 PHOTOGRAPH
FROM 8.50 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-04
HQ DIAMOND DRILL RUN #6-7 PHOTOGRAPH FROM 8.00 M TO 11.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
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REVIEW	REM	09-28-12		

D26

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-04 HQ DIAMOND DRILL RUN #8-9 PHOTOGRAPH FROM 11.00 M TO 14.00 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
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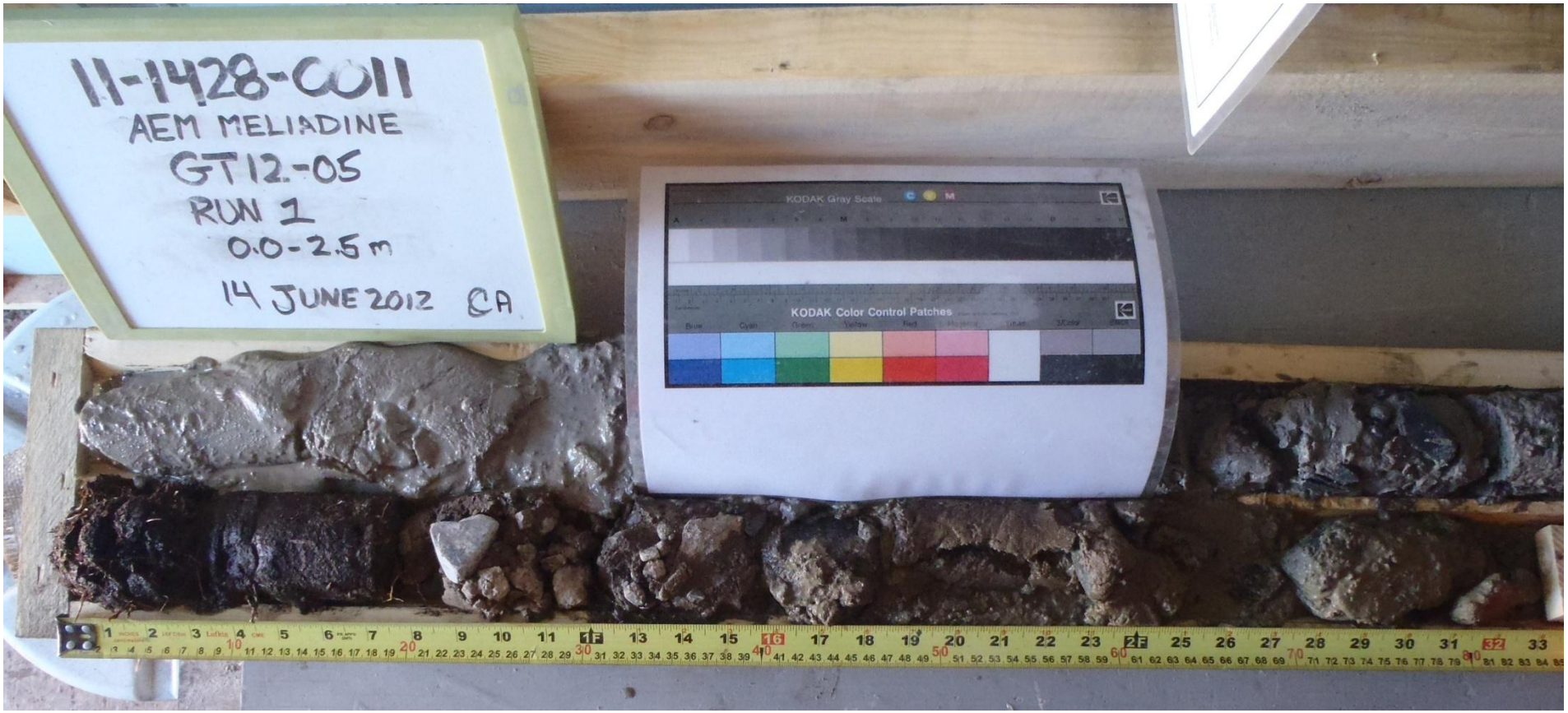

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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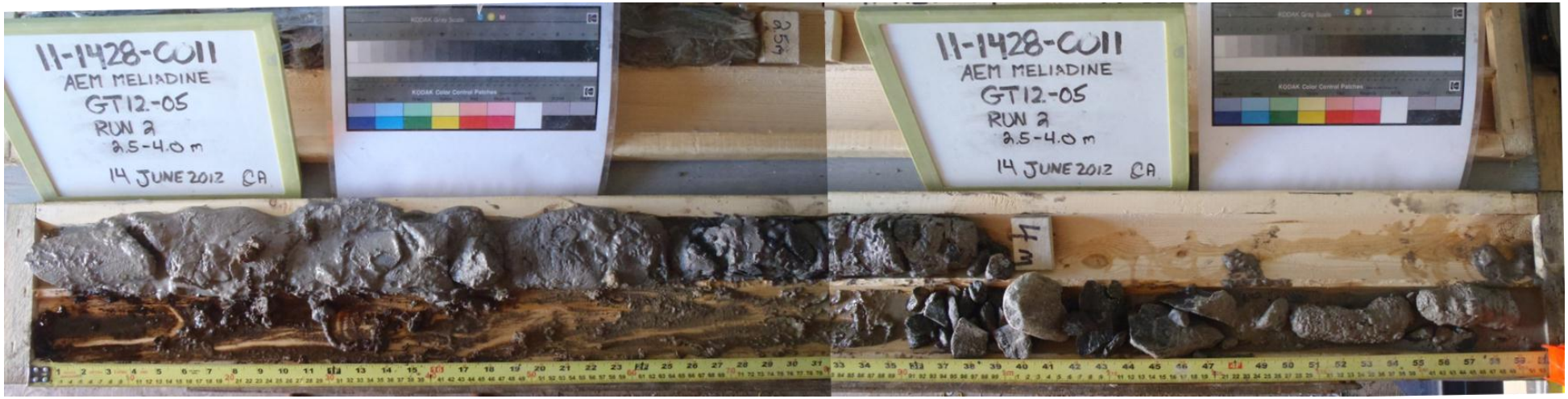
REVIEW	REM	09-28-12		

D28



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D29	
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REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #5-6 PHOTOGRAPH FROM 6.50 M TO 9.50 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
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REVIEW	REM	09-28-12			

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #7-8 PHOTOGRAPH FROM 9.50 M TO 12.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #9-10 PHOTOGRAPH FROM 12.50 M TO 15.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	RFM	09-28-12		

D32

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #11-12 PHOTOGRAPH FROM 15.50 M TO 18.50 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
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D33

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-05
HQ DIAMOND DRILL RUN #13 PHOTOGRAPH FROM 18.50 M TO 19.60 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D34

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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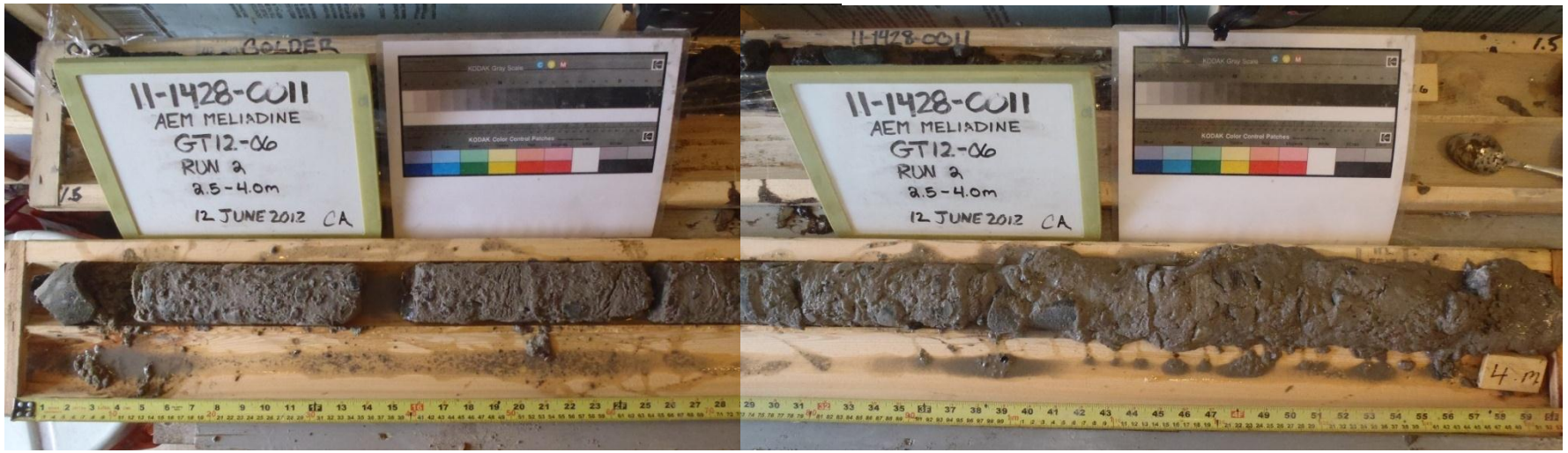

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #3 PHOTOGRAPH
FROM 4.00 M TO 5.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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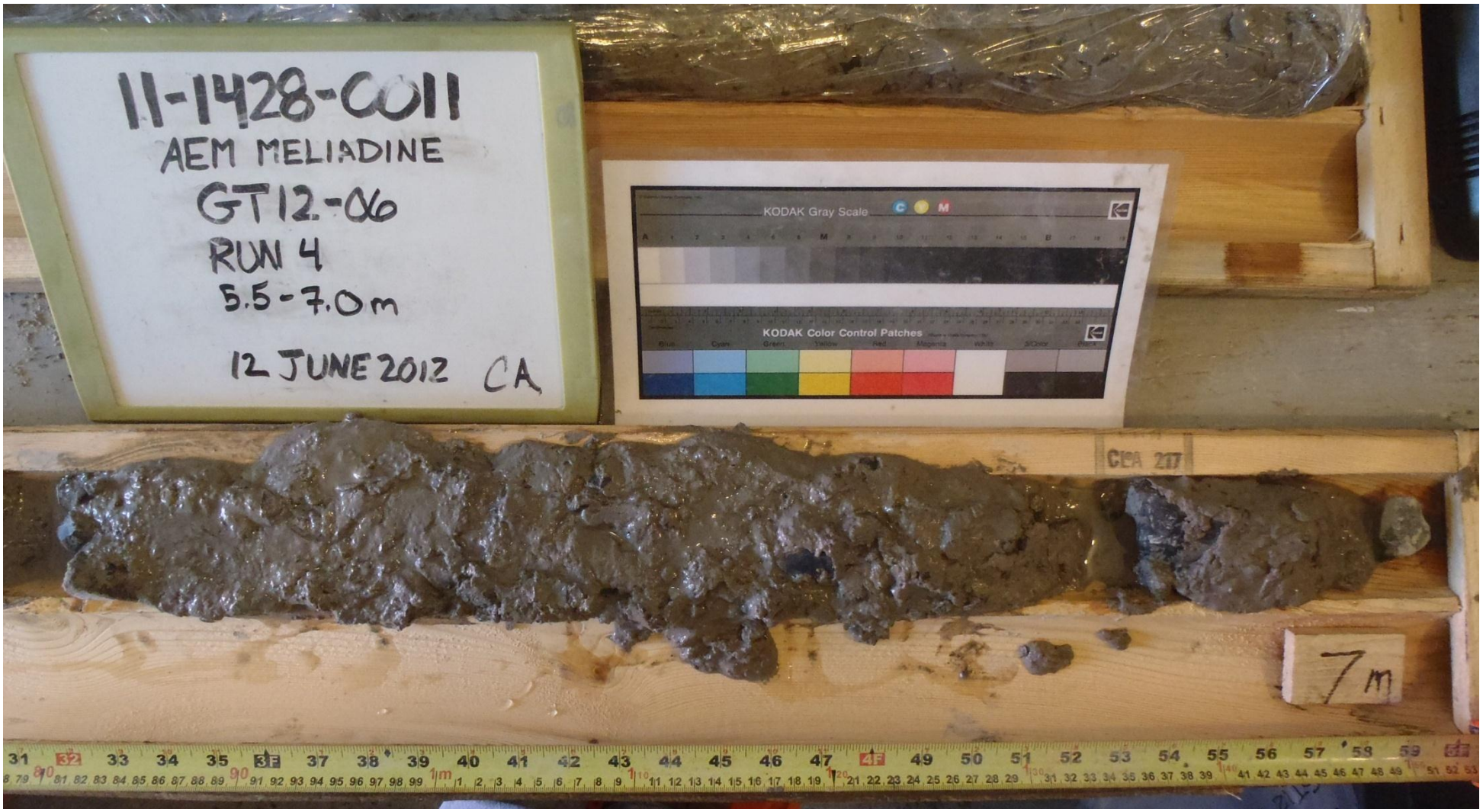

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 5.50 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D38

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #5 PHOTOGRAPH FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
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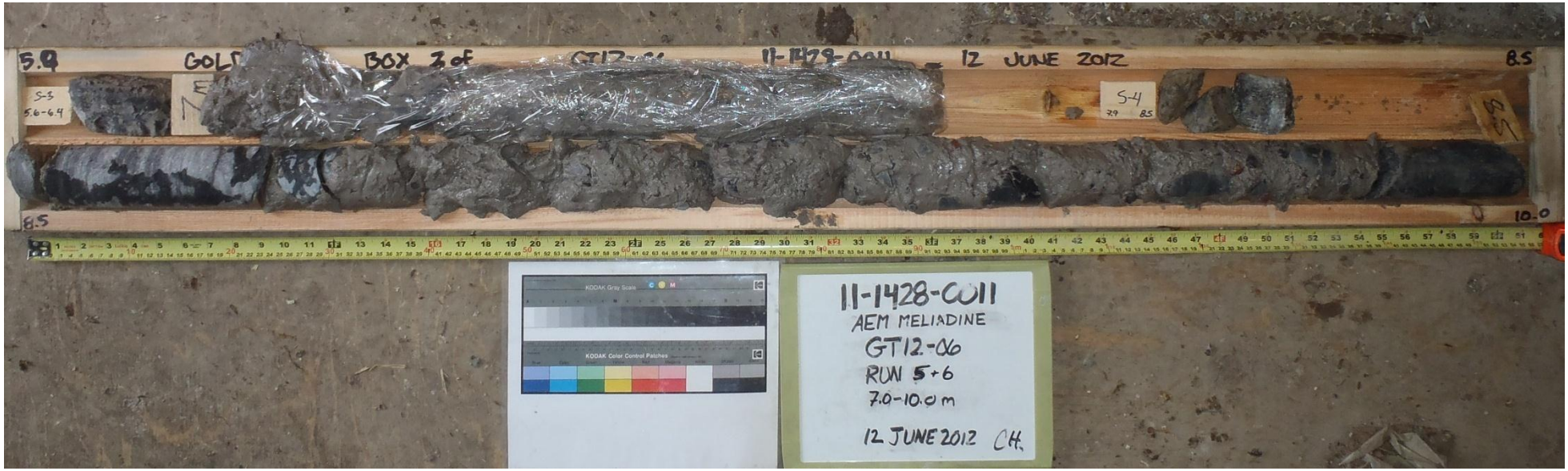
FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #5-6 PHOTOGRAPH FROM 7.00 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #7-8 PHOTOGRAPH FROM 10.00 M TO 13.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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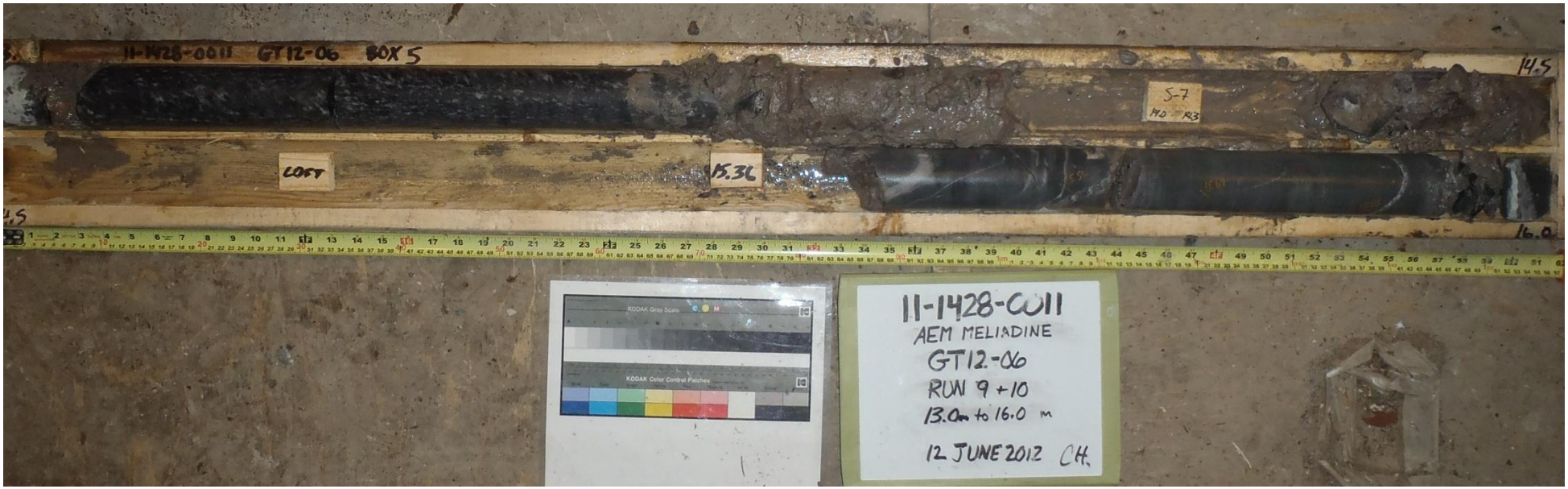

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #9-10 PHOTOGRAPH FROM 13.00 M TO 16.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D42	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #9-10 PHOTOGRAPH FROM 13.00 M TO 16.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D43	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #11-12 PHOTOGRAPH FROM 16.00 M TO 19.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT
AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE
BOREHOLE GT12-06
HQ DIAMOND DRILL RUN #11-12 PHOTOGRAPH
FROM 16.00 M TO 19.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.00 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D46

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D47	
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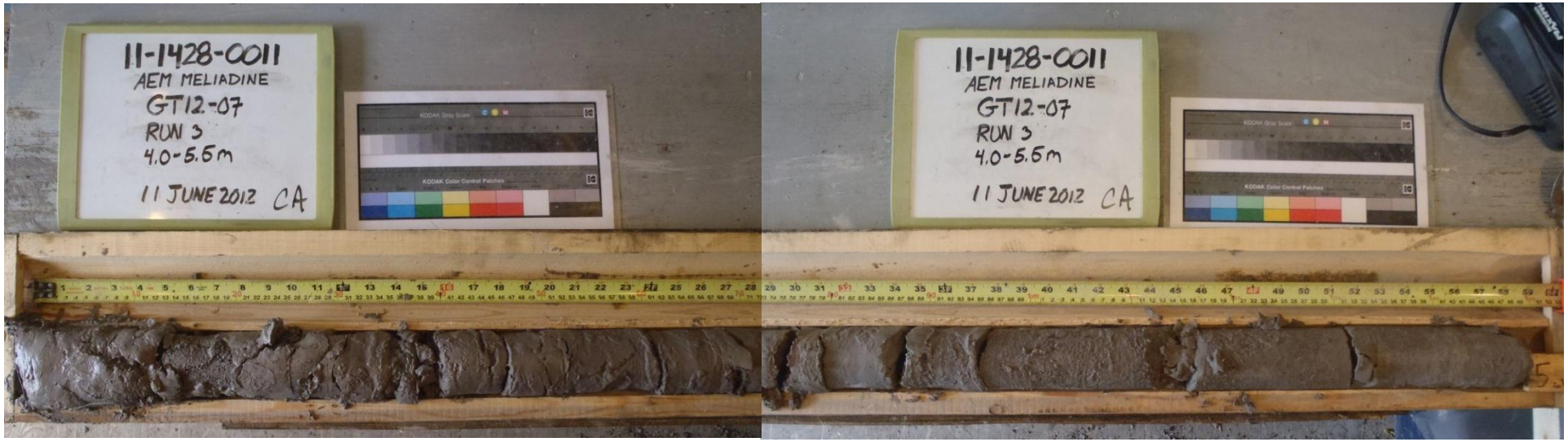
FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #3 PHOTOGRAPH
FROM 4.00 M TO 5.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D48	
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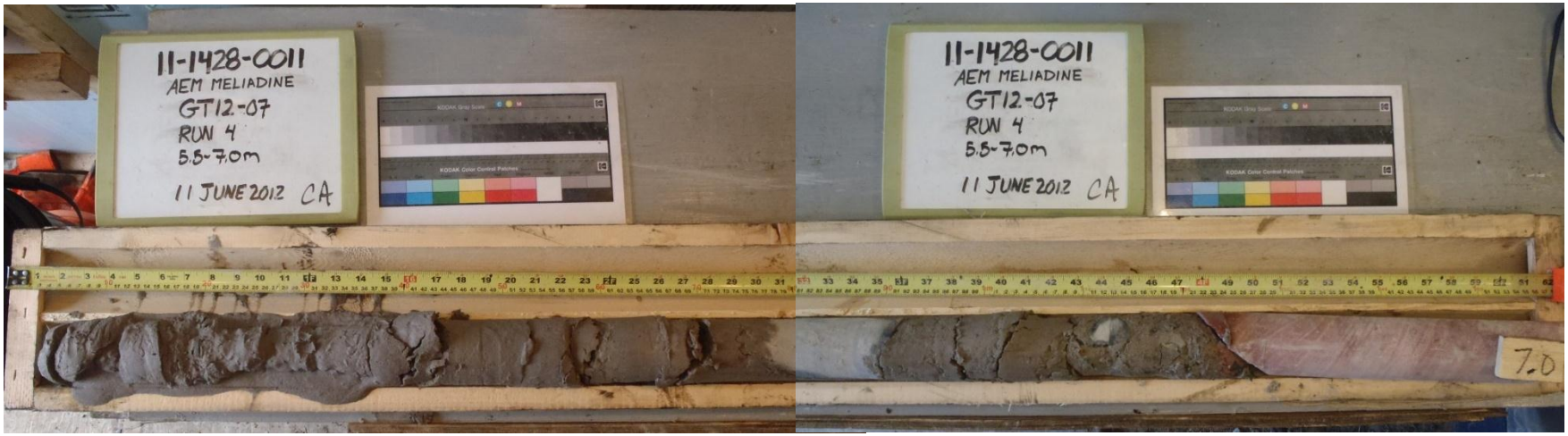

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 5.50 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D49	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D50

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #6 PHOTOGRAPH
FROM 8.50 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D51	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH FROM 10.00 M TO 11.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D52	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH
FROM 10.00 M TO 11.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #8-9 PHOTOGRAPH FROM 11.50 M TO 14.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

D54

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #10-11 PHOTOGRAPH FROM 14.50 M TO 17.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #10-11 PHOTOGRAPH FROM 14.50 M TO 17.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #12 PHOTOGRAPH FROM 17.50 M TO 19.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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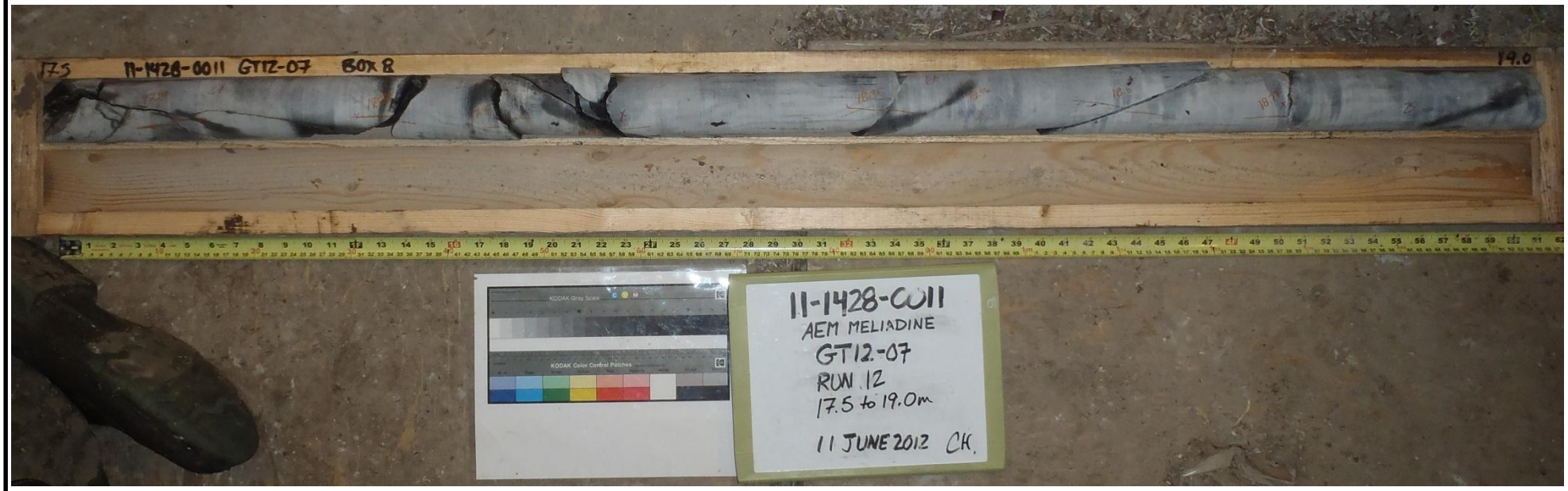

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-07
HQ DIAMOND DRILL RUN #12 PHOTOGRAPH FROM 17.50 M TO 19.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-08
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 4.00 M TO 5.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-08
HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 5.50 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-08
HQ DIAMOND DRILL RUN #9-10 PHOTOGRAPH FROM 11.50 M TO 14.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-08
HQ DIAMOND DRILL RUN #11 PHOTOGRAPH
FROM 14.50 M TO 16.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-08
HQ DIAMOND DRILL RUN #11 PHOTOGRAPH FROM 14.50 M TO 16.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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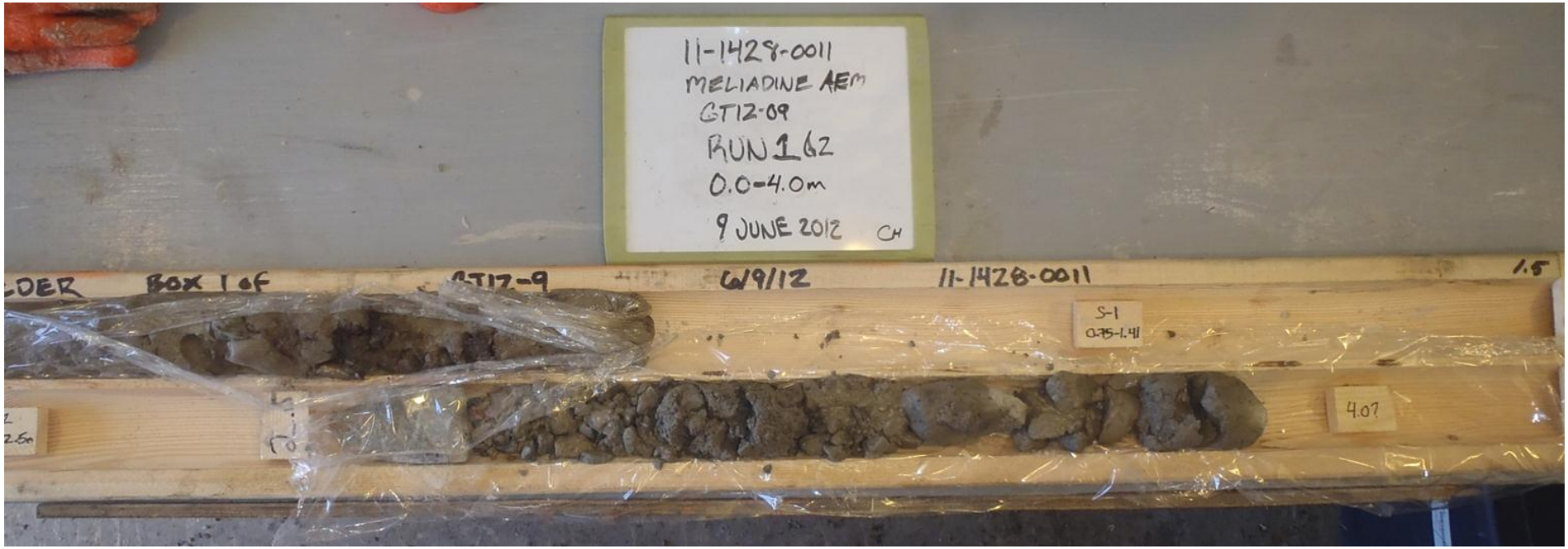

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #1 & 2 PHOTOGRAPH
FROM 0.00 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D65	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D66	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #2
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #5 & 6 PHOTOGRAPH FROM 7.00 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #9 & 10 PHOTOGRAPH FROM 13.00 M TO 16.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #7 & 8
FROM 10.0 M TO 13.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
HQ DIAMOND DRILL RUN #11-12 PHOTOGRAPH FROM 10.0 M TO 19.00 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
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REVIEW	REM	09-28-12			

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
WET HQ DIAMOND DRILL RUN #13
FROM 19.0 M TO 20.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

D72

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
DRY HQ DIAMOND DRILL RUN #11 & 12
FROM 16.0 M TO 19.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-09
DRY HQ DIAMOND DRILL RUN #13
FROM 19.0 M TO 20.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

D74

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 3.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D75

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.00 M TO 5.40 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-10** **HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 5.40 M TO 7.40 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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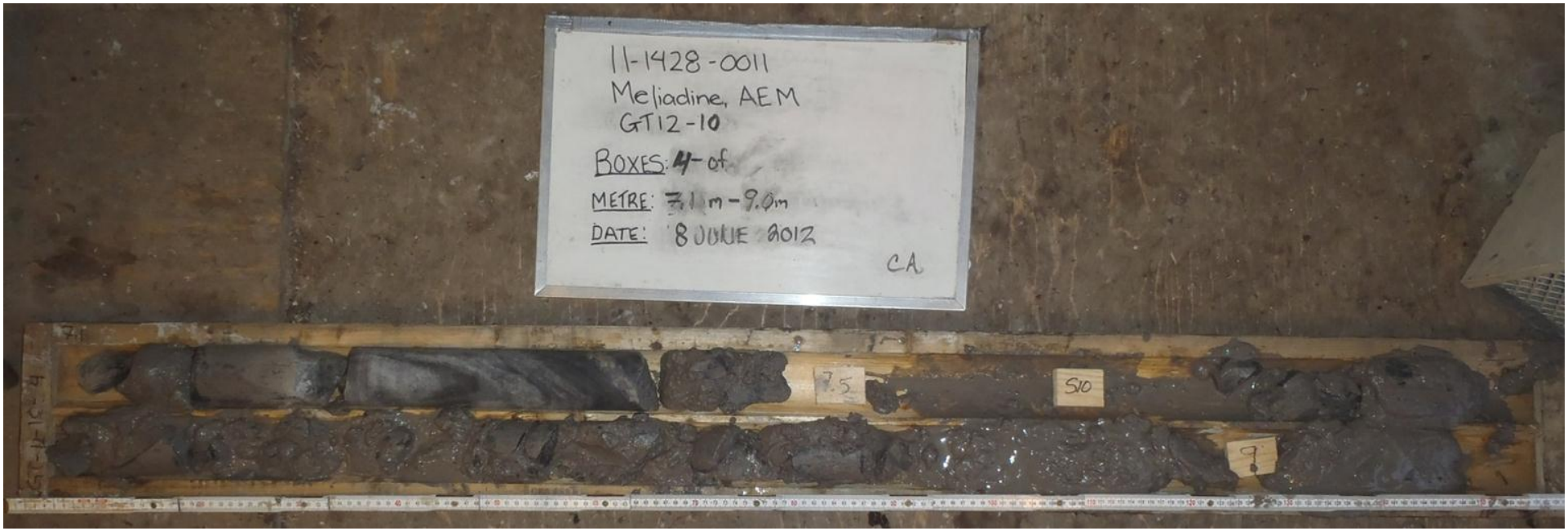

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 7.10 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 9.00 M TO 12.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-10 HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 11.50 M TO 13.50 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
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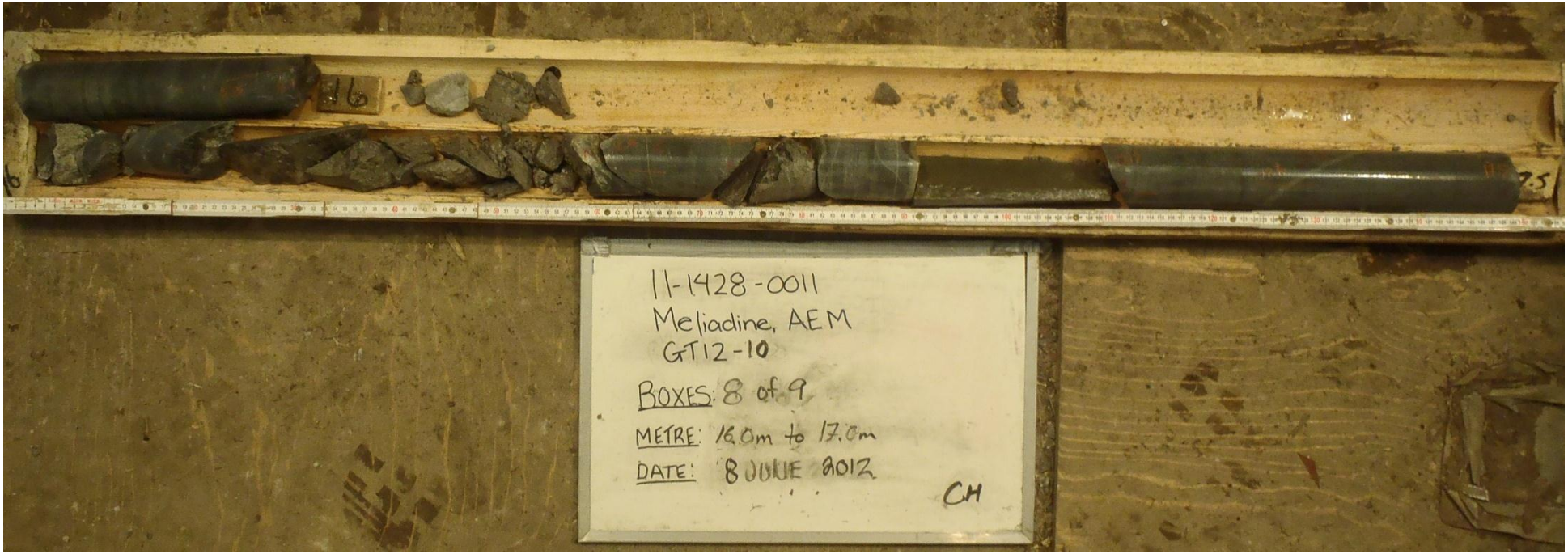

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 16.00 M TO 17.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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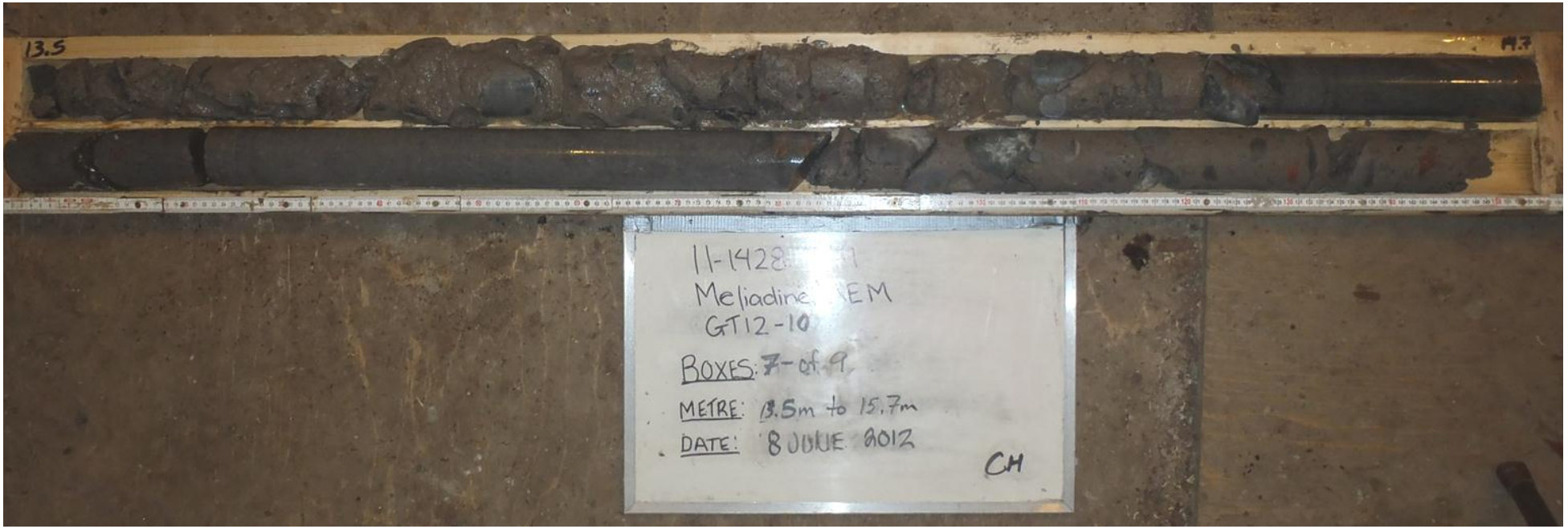

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 13.50 M TO 15.70 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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D82

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 13.50 M TO 15.70 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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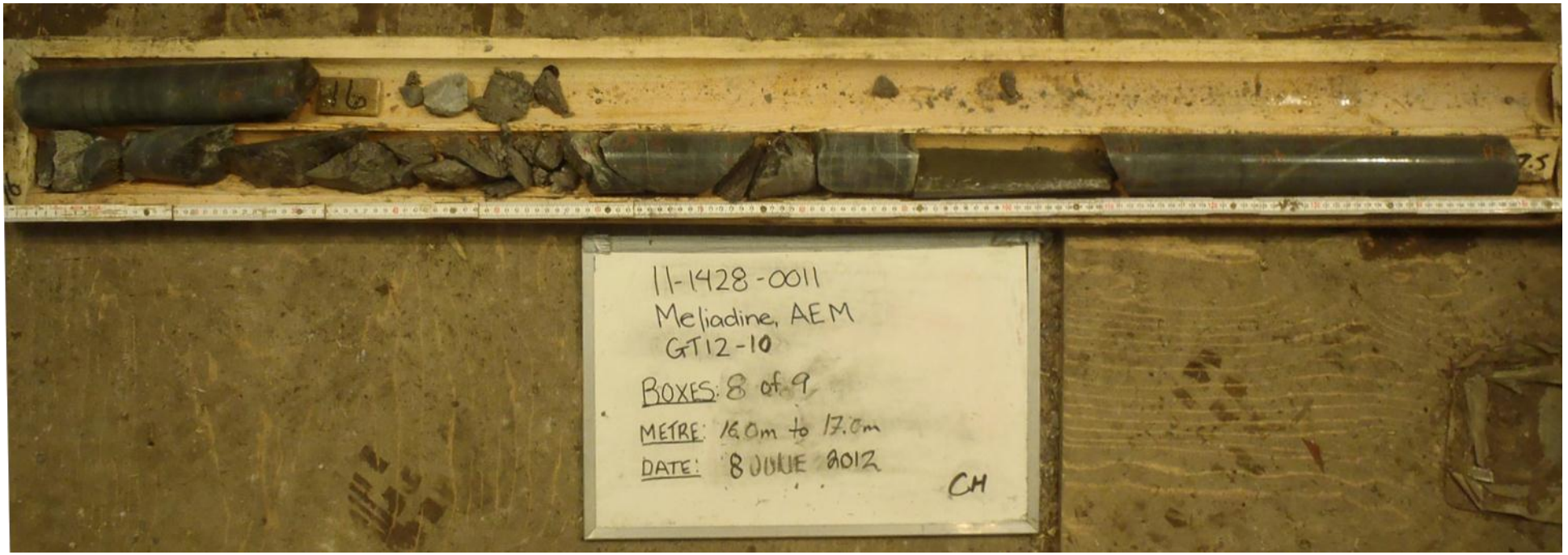

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 16.00 M TO 17.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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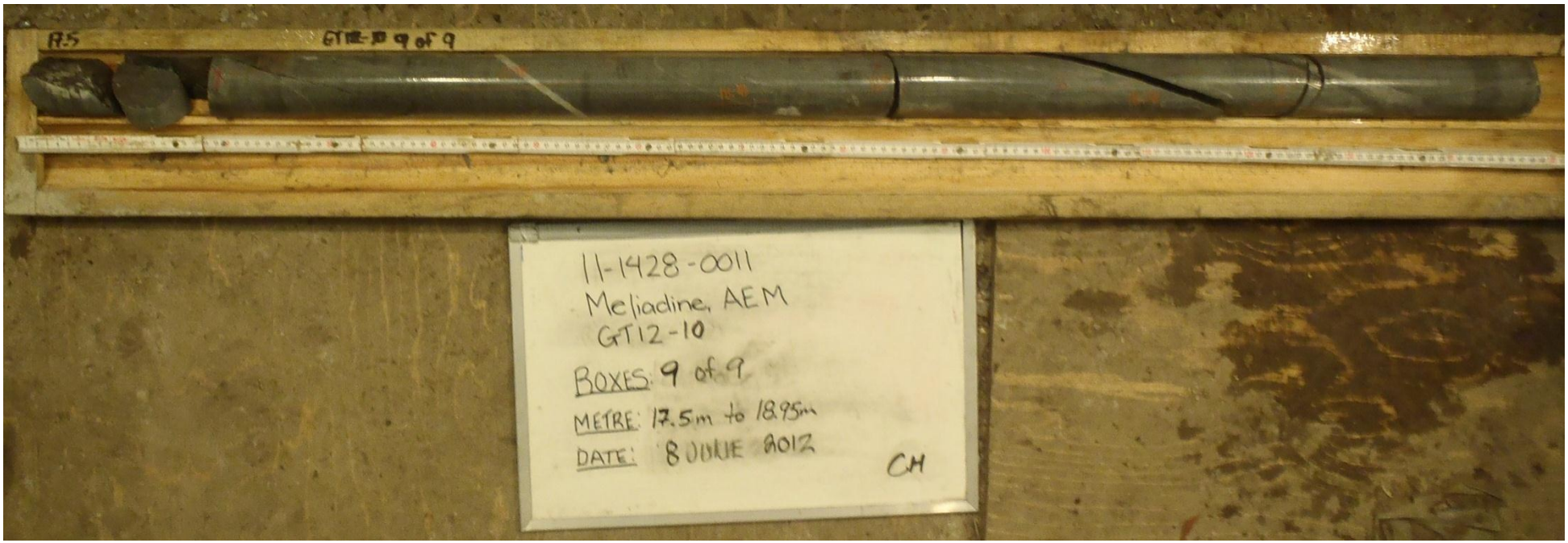

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-10
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 17.50 M TO 18.95 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-11
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 3.00 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
CADD	CR	08-30-12	D86		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-11
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D87		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-11
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D88	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-11
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 9.00 M TO 11.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-11** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 9.00 M TO 11.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D90		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-11
HQ DIAMOND DRILL RUN 1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D91	
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REVIEW	REM	09-28-12		

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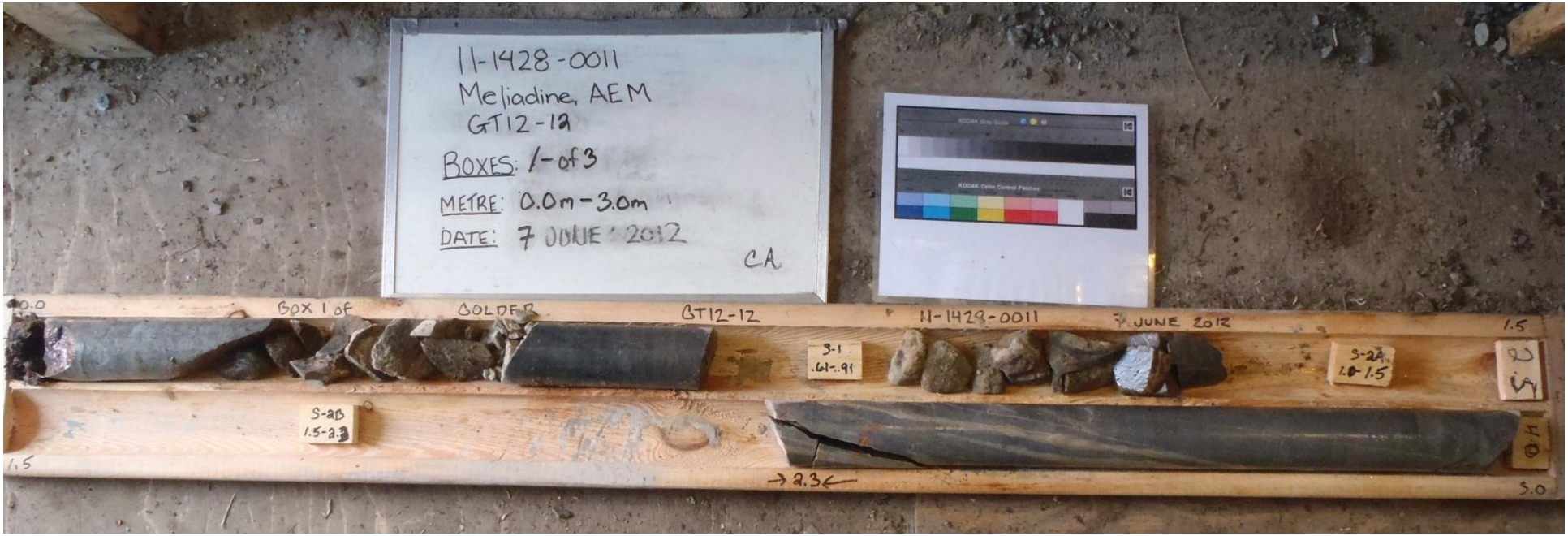


PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

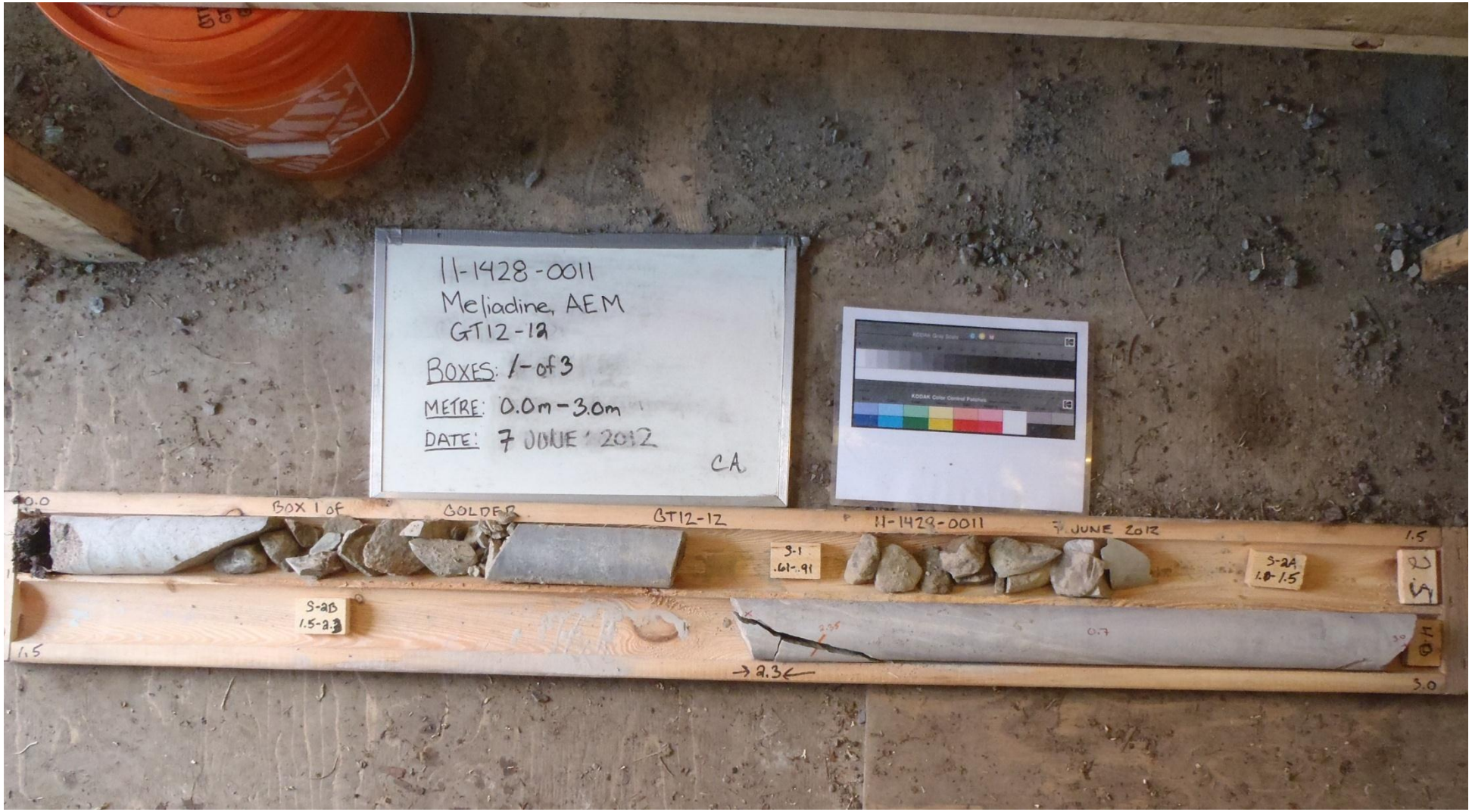
TITLE

BOREHOLE GT12-12
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D92		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-12
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 3.00 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
CADD	CR	08-30-12	D93		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

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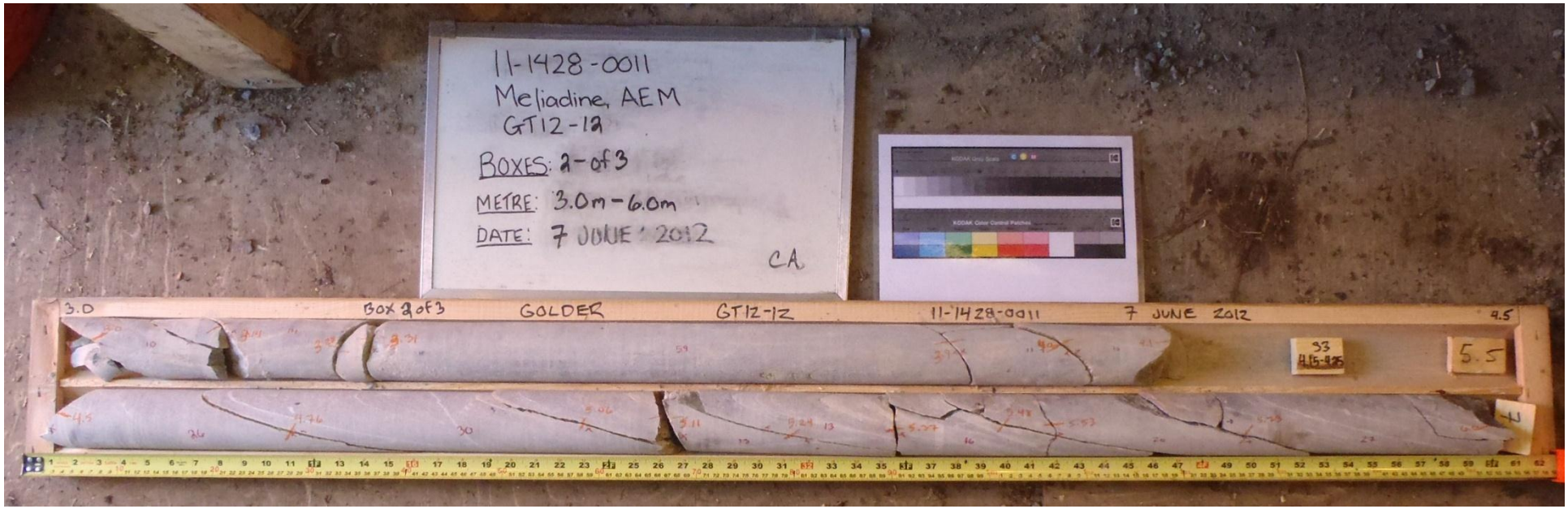

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-12
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.00 M TO 6.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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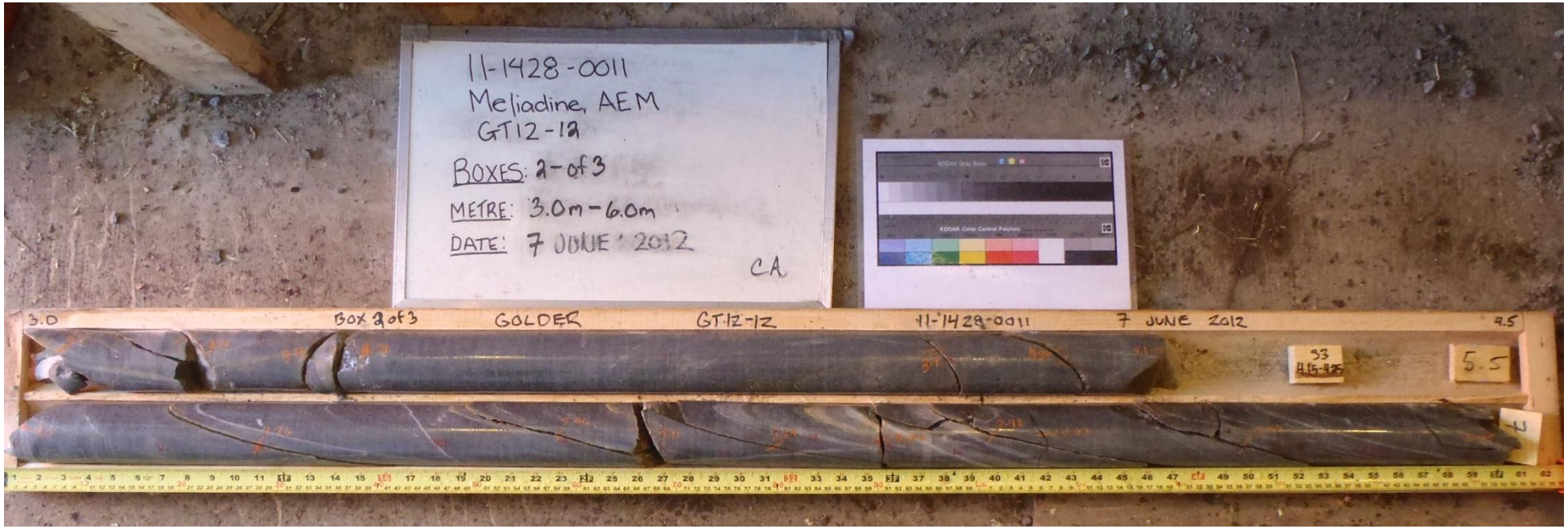

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-12
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.00 M TO 6.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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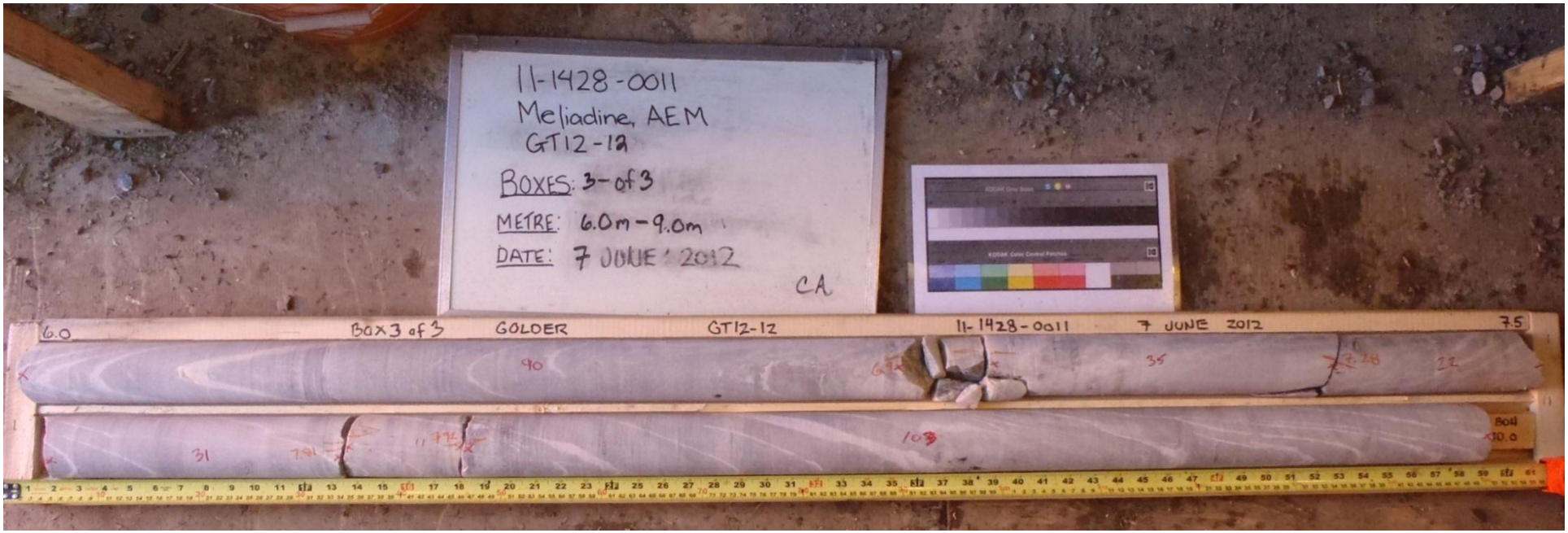
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-12
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D96		
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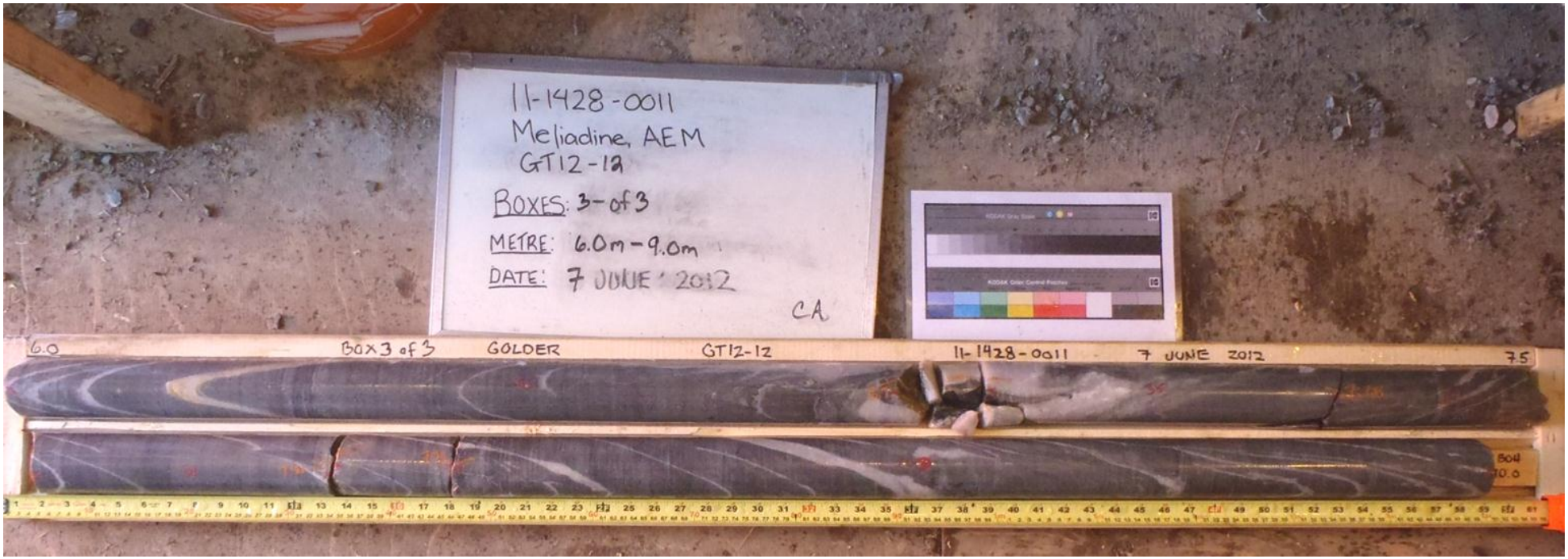

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-12
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

D97

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-13
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 8.15 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D98

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-13
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.15 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D99

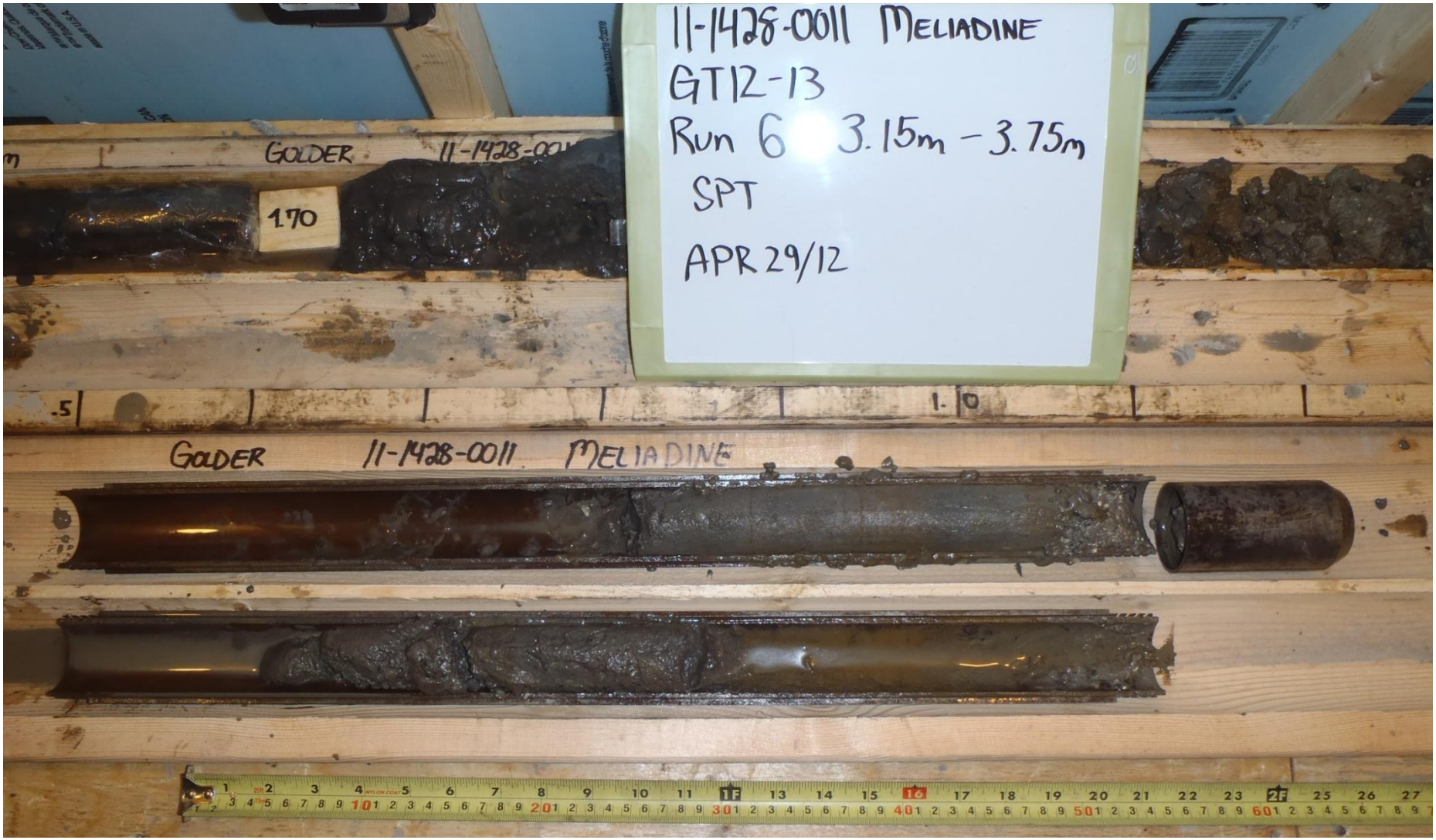
FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	**BOREHOLE GT12-13** **HQ DIAMOND DRILL RUN #3 SPT PHOTOGRAPH FROM 2.48 M TO 2.93 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D100	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-13
HQ DIAMOND DRILL RUN #6 SPT PHOTOGRAPH FROM 3.15 M TO 3.75 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D101	
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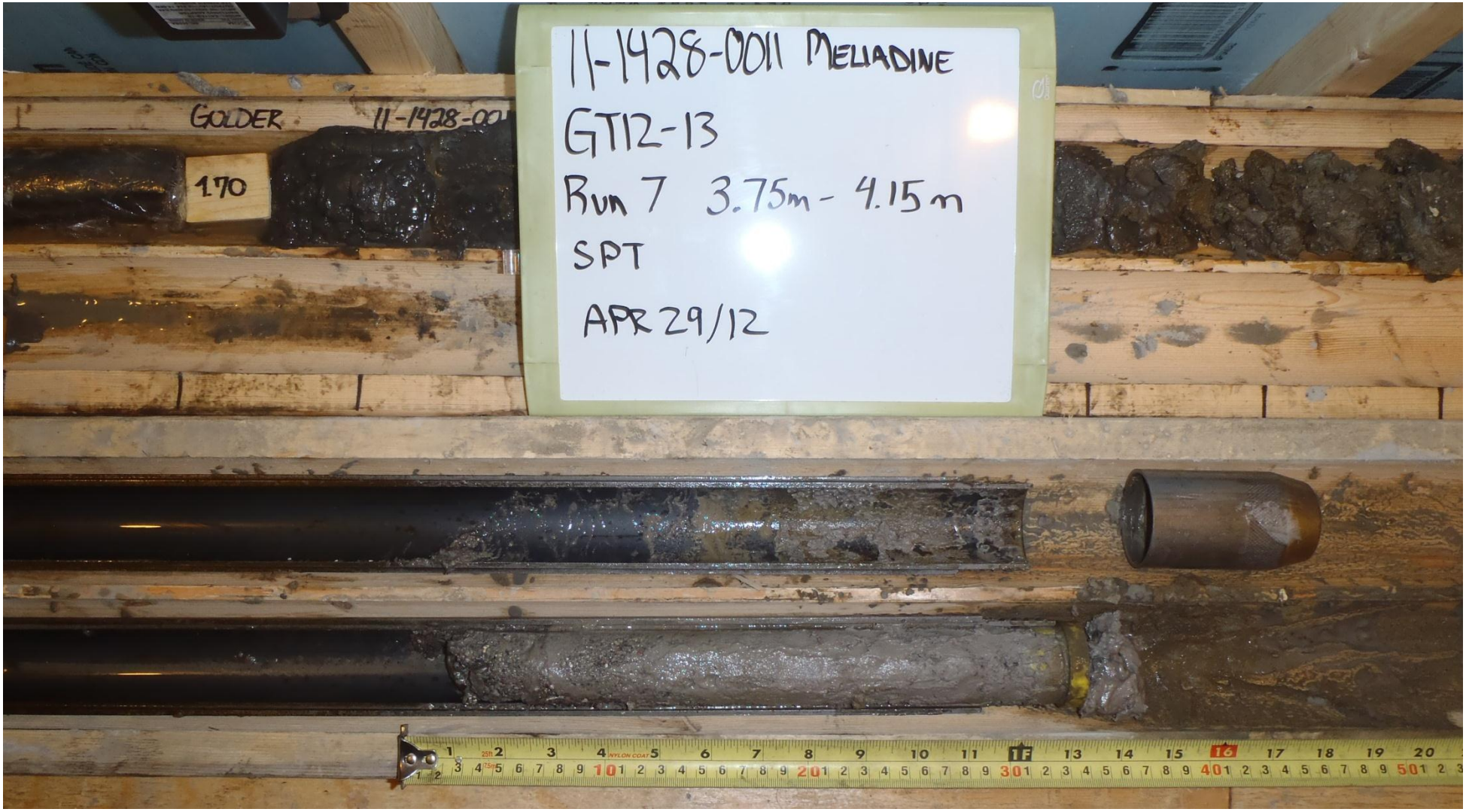
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-13
HQ DIAMOND DRILL RUN #7 SPT PHOTOGRAPH FROM 3.75 M TO 4.15 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 4.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D103	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 3.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 3.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.00 M TO 4.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.00 M TO 4.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-14** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 6.00 M TO 9.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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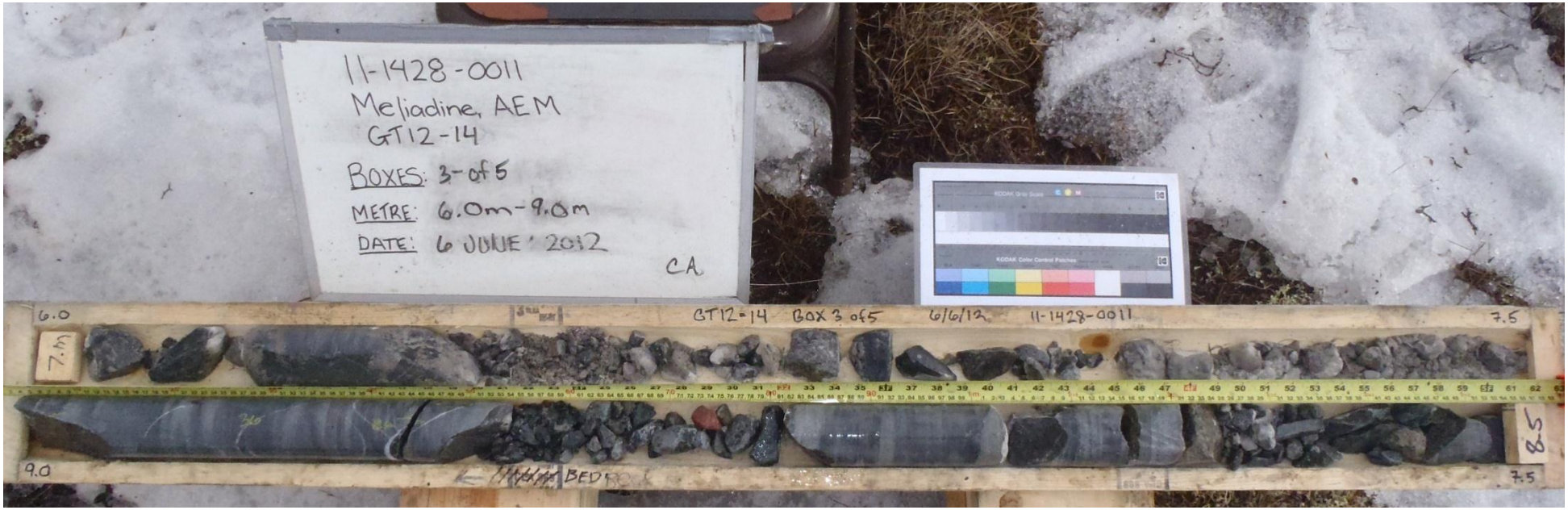

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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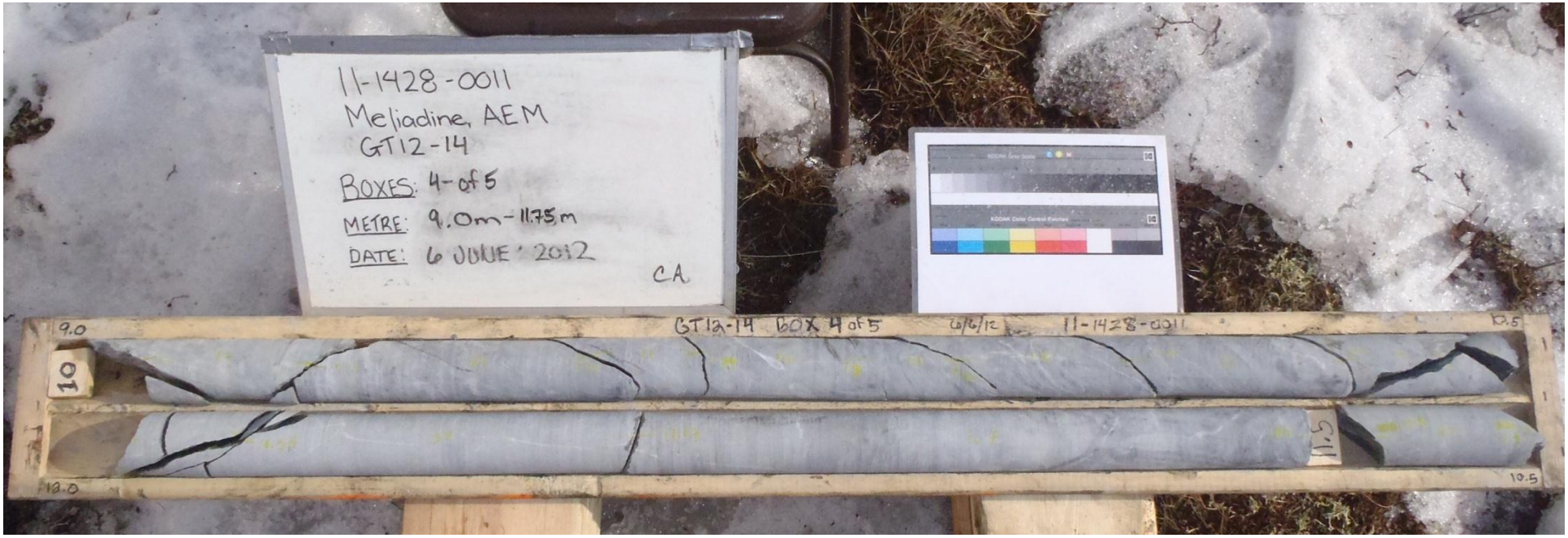

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 9.00 M TO 11.75 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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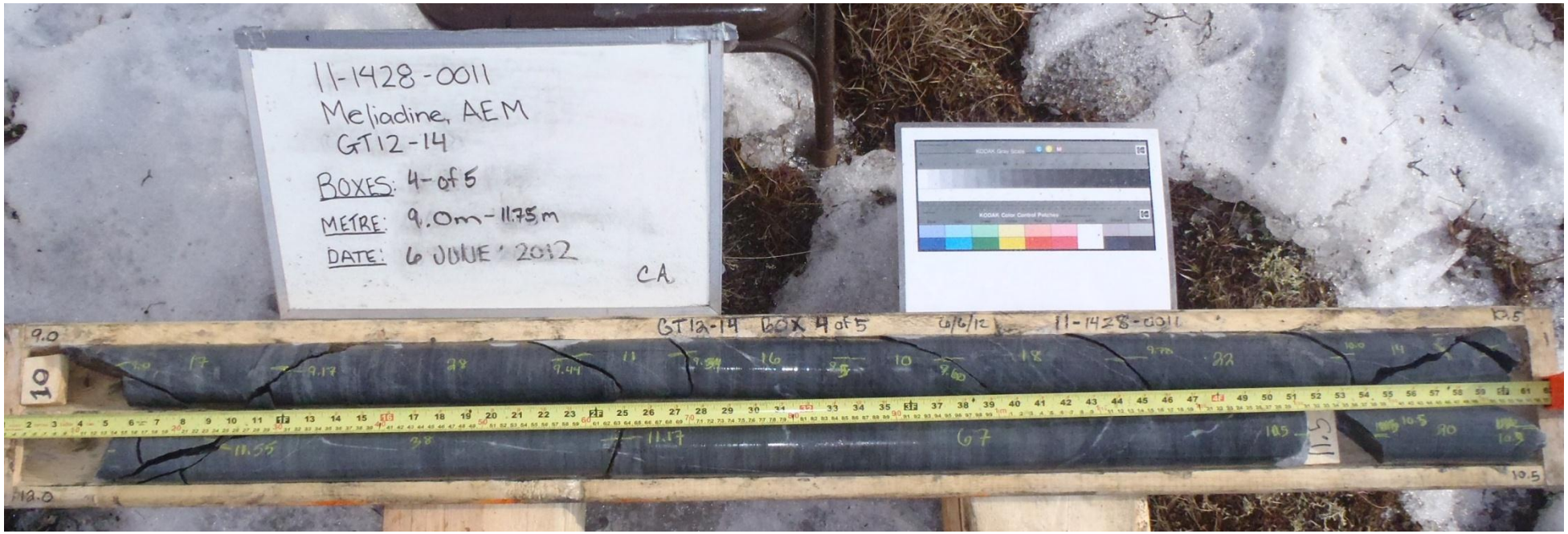

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 9.00 M TO 11.75 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 11.75 M TO 12.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-14
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 11.75 M TO 12.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D113	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-15** **HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 8.50 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-15** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 8.50 M TO 16.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D115	
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REVIEW	REM	09-28-12		

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PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-15** **WET HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 8.50 M TO 16.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-15** **HQ DIAMOND DRILL RUN #1 PHOTOGRAPH** **FROM 0.00 M TO 0.49 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-15
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH FROM 1.67 M TO 2.12 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D118

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-15
HQ DIAMOND DRILL RUNS #1-3 PHOTOGRAPH FROM 0.00 M TO 2.12 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D119	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-16** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 10.95 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D120	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-16 WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 10.95 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
	DESIGN	CR	08-30-12	SCALE NTS	REV. A
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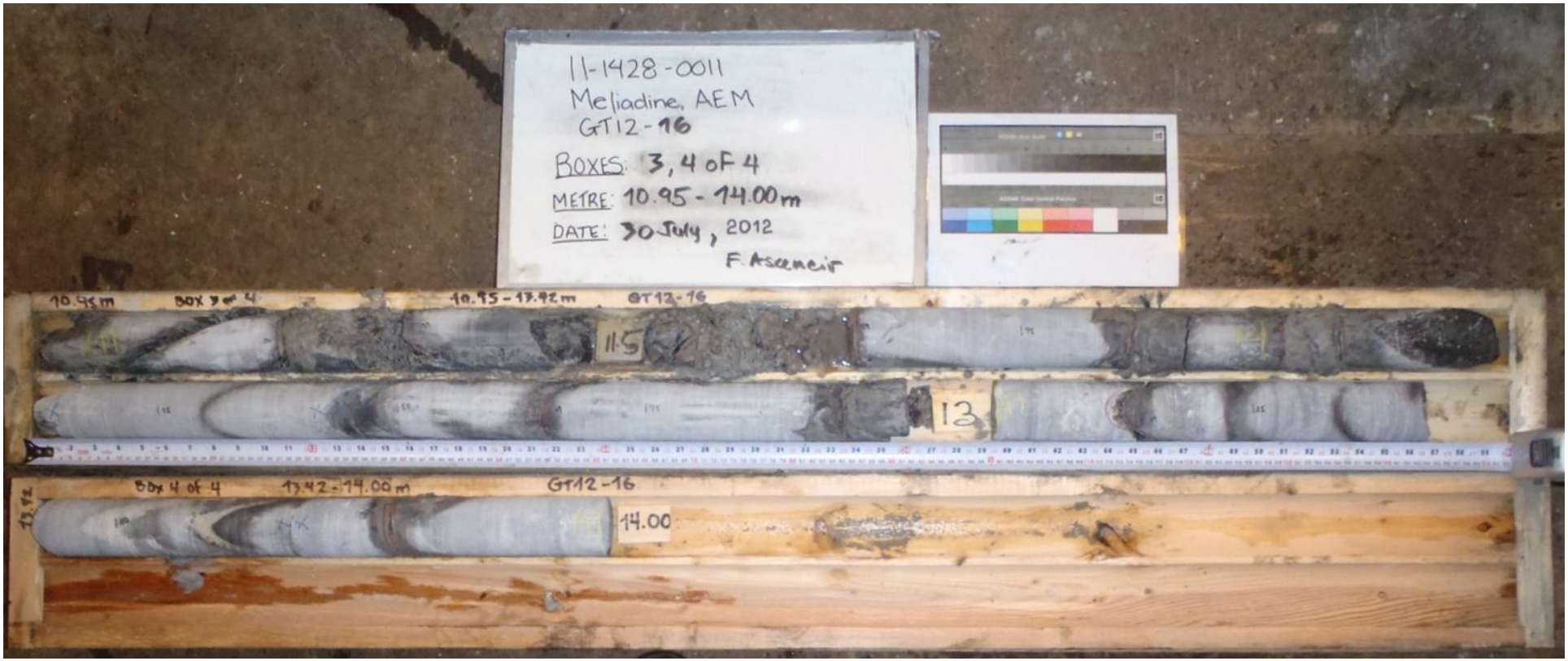
	REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-16
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 10.95 M TO 14.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D122	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-16
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 10.95 M TO 14.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-16
HQ DIAMOND DRILL RUN #2 (SPT 1) PHOTOGRAPH FROM 1.65 M TO 1.87 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D124	
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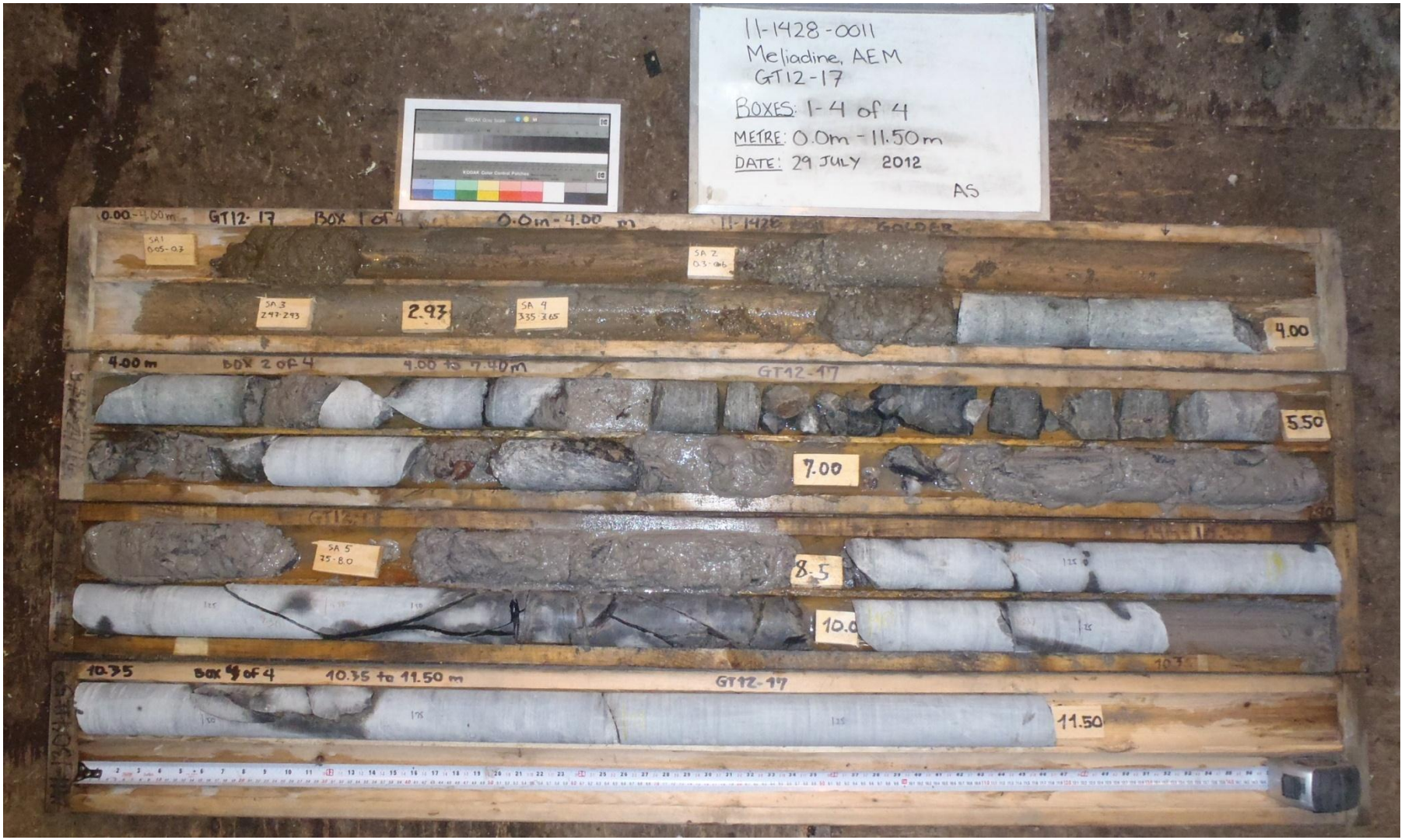
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-17
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 11.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D125	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-17
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 11.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D126	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-17
HQ DIAMOND DRILL RUN #2 (SPT 1) PHOTOGRAPH
FROM 0.00 M TO 11.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D127	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-18** **HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 7.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D128	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-18 DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 7.00 M TO 11.25 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
	DESIGN	CR	08-30-12	SCALE NTS	REV. A
	CADD	CR	08-30-12	D129	
	CHECK	AS	08-30-12		
	REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-18** **WET HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 7.00 M TO 11.25 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D130		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-19
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 6.18 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D131	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-19
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 6.18 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D132	
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REVIEW	REM	09-28-12		

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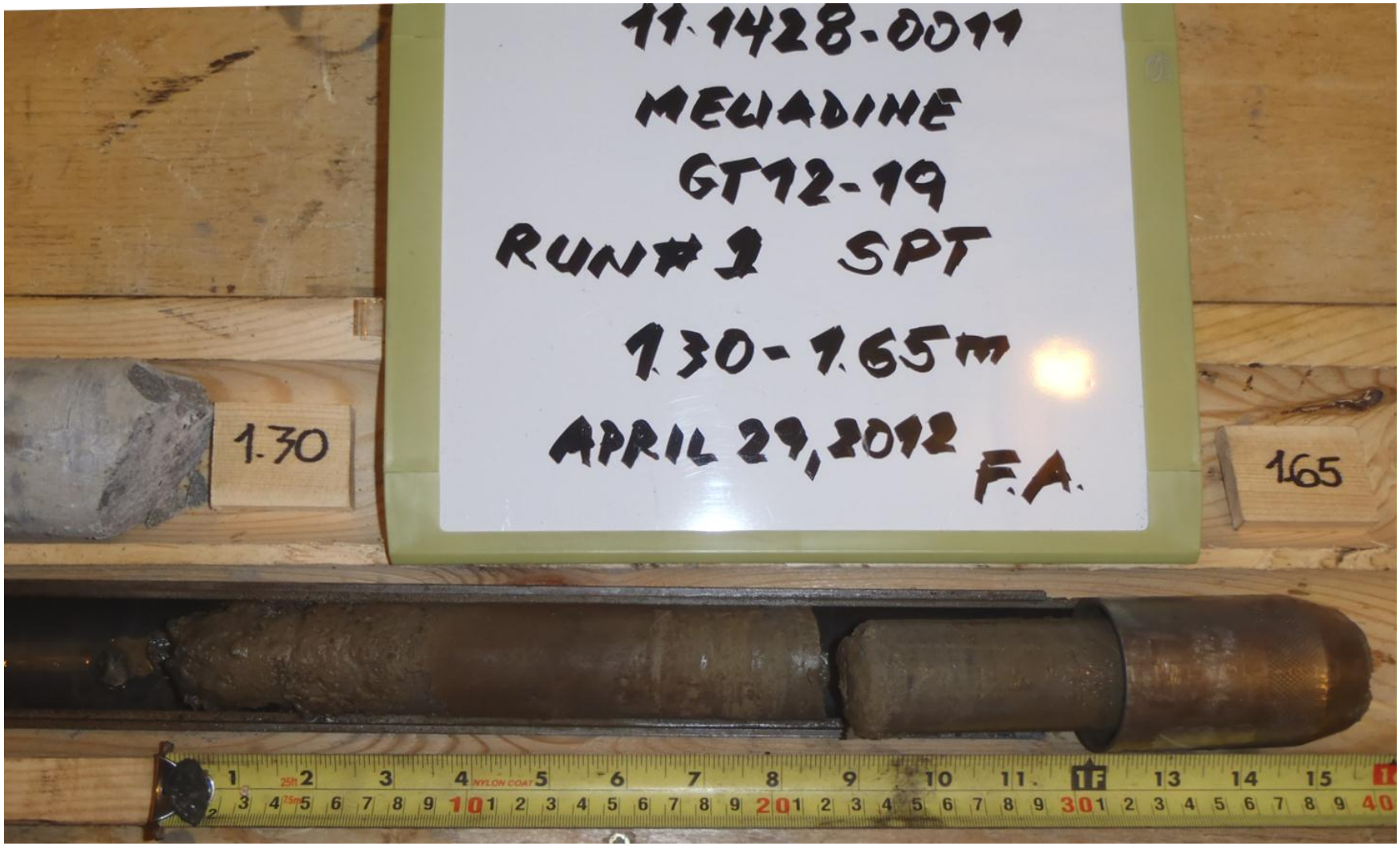


PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

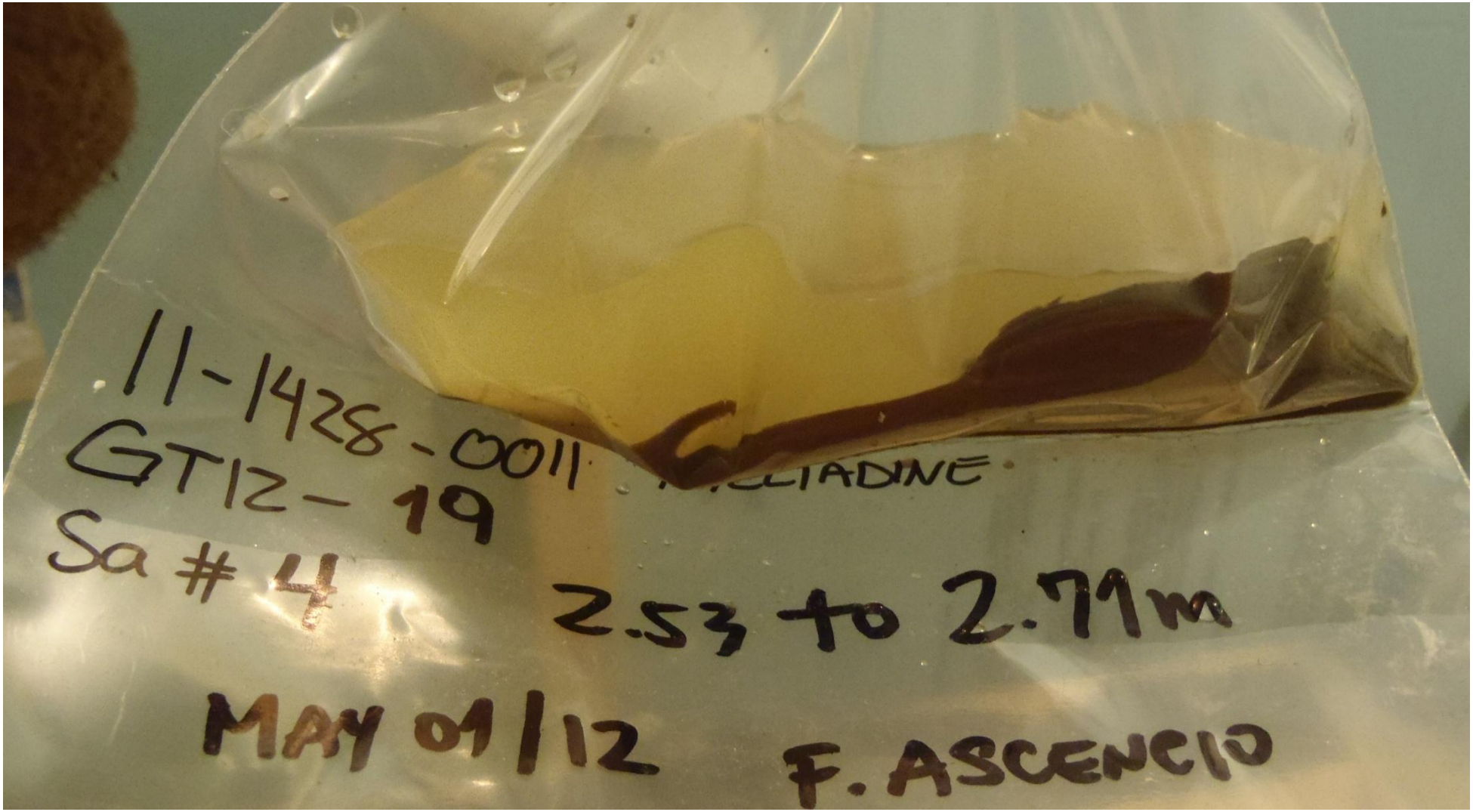
TITLE

BOREHOLE GT12-19
HQ DIAMOND DRILL RUN #1 SPT PHOTOGRAPH FROM 1.30 M TO 1.65 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D133	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-19 HQ DIAMOND DRILL SA #4 PHOTOGRAPH FROM 2.53 M TO 2.71 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D134	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-20
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 7.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D135	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-20** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 7.50 M TO 11.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D136		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-20
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 7.50 M TO 11.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

D137

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D139	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
HQ DIAMOND DRILL RUN #3 PHOTOGRAPH
FROM 4.00 M TO 5.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
DRY HQ DIAMOND DRILL RUN #5 PHOTOGRAPH FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
WET HQ DIAMOND DRILL RUN #5 PHOTOGRAPH FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
DRY HQ DIAMOND DRILL RUN #6 PHOTOGRAPH FROM 8.50 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-21
WET HQ DIAMOND DRILL RUN #6 PHOTOGRAPH FROM 8.50 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-22
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D145	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-22
DRY HQ DIAMOND DRILL RUN #3 & 4 PHOTOGRAPH
FROM 4.00 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-22
WET HQ DIAMOND DRILL RUN #3 & 4 PHOTOGRAPH FROM 4.00 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-22
DRY HQ DIAMOND DRILL RUN #5 PHOTOGRAPH FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-22
WET HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-23
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-23** **HQ DIAMOND DRILL RUN #2 PHOTOGRAPH** **FROM 3.00 M TO 4.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-23
HQ DIAMOND DRILL RUN #3 & 4 PHOTOGRAPH FROM 4.50 M TO 7.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-23
DRY HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 7.50 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-23
WET HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 7.50 M TO 9.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D154	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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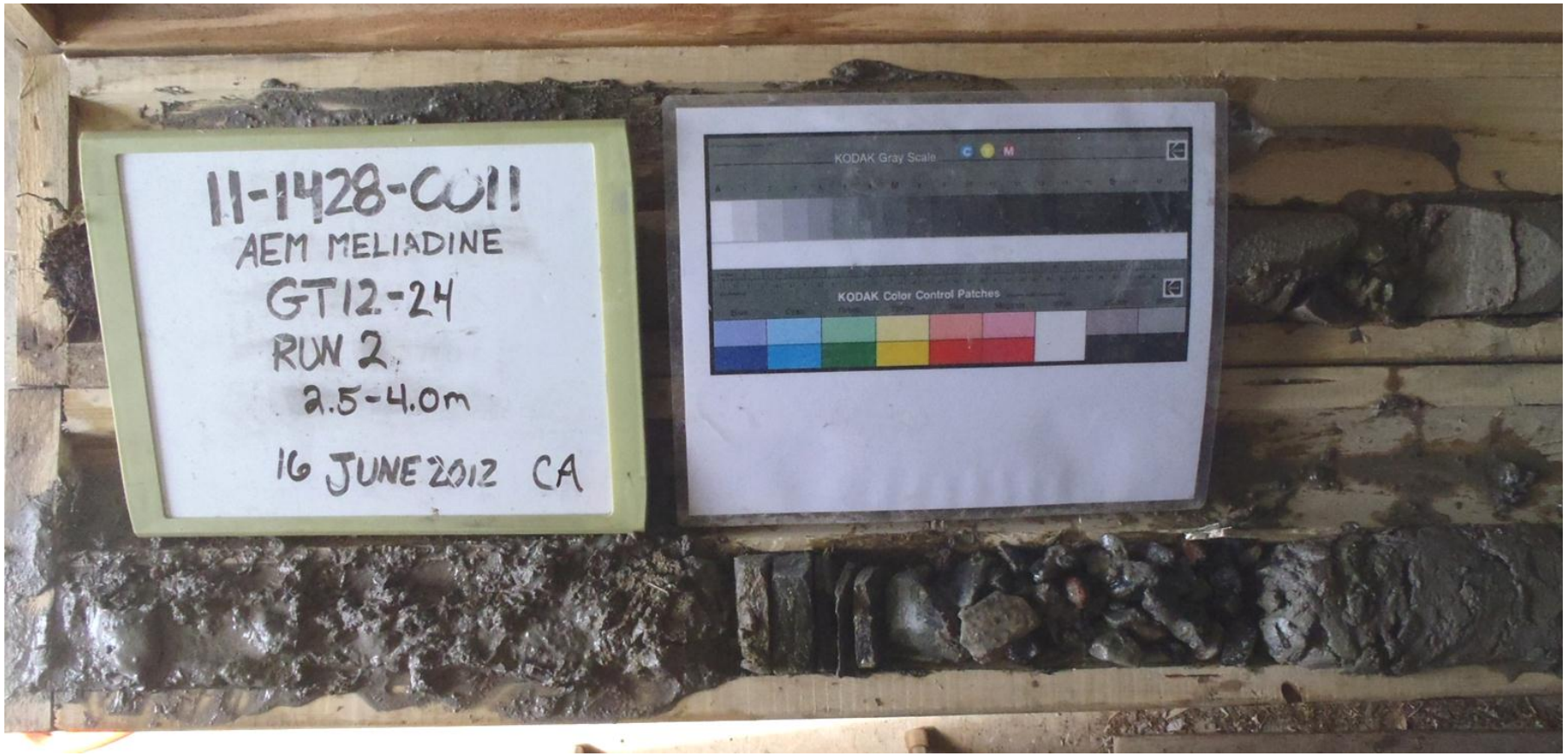

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

PROJECT

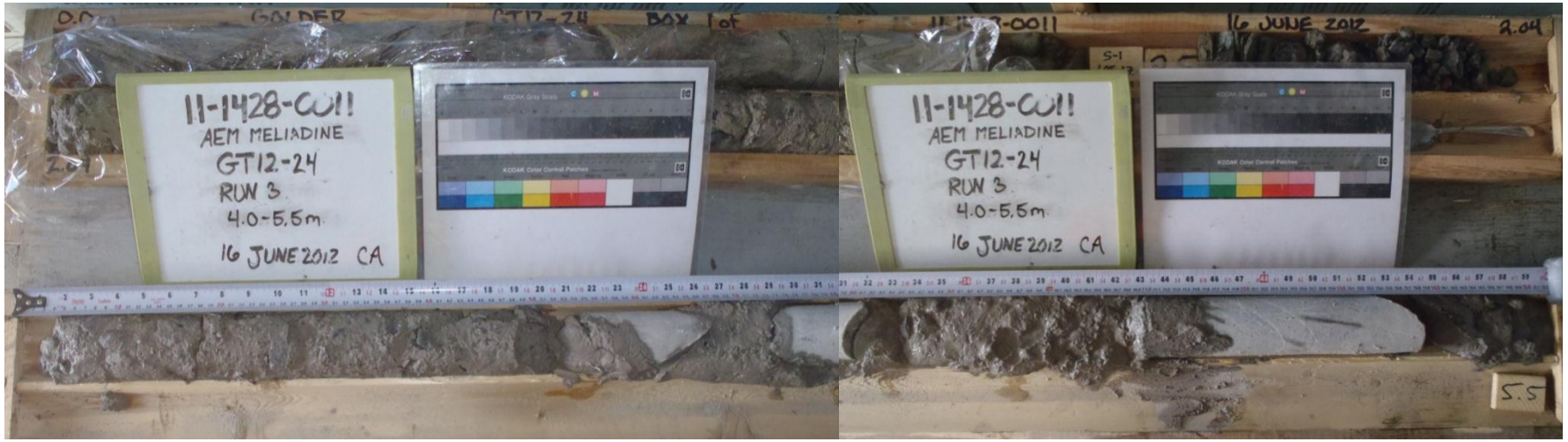
AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.50 M TO 4.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D157	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #3 PHOTOGRAPH FROM 4.00 M TO 5.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D158	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 5.50 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D159	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #5 PHOTOGRAPH
FROM 7.00 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D160	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #6 PHOTOGRAPH
FROM 8.50 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D161	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH
FROM 10.00 M TO 11.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D162	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-24** **HQ DIAMOND DRILL RUN #8 PHOTOGRAPH** **FROM 11.50 M TO 13.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D163		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
HQ DIAMOND DRILL RUN #9 PHOTOGRAPH
FROM 13.00 M TO 14.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D164		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
DRY HQ DIAMOND DRILL RUN #10 PHOTOGRAPH FROM 14.50 M TO 16.00 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
CADD	CR	08-30-12	D165		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

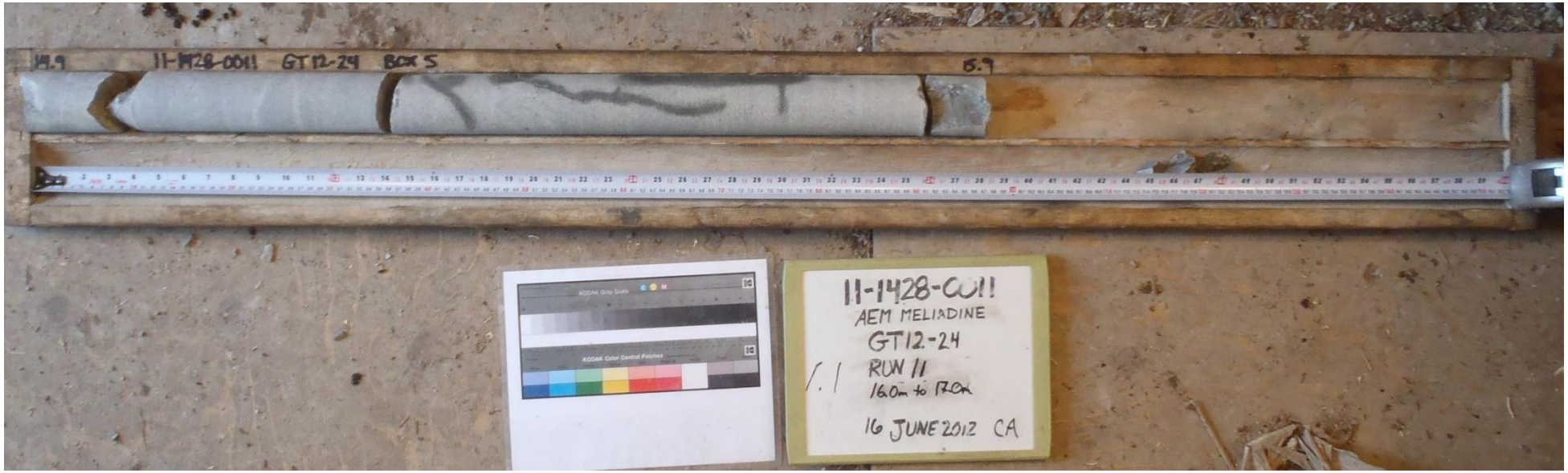
BOREHOLE GT12-24
WET HQ DIAMOND DRILL RUN #10 PHOTOGRAPH
FROM 14.50 M TO 16.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D166

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-24
DRY HQ DIAMOND DRILL RUN #11 PHOTOGRAPH
FROM 16.00 M TO 17.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D167		
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

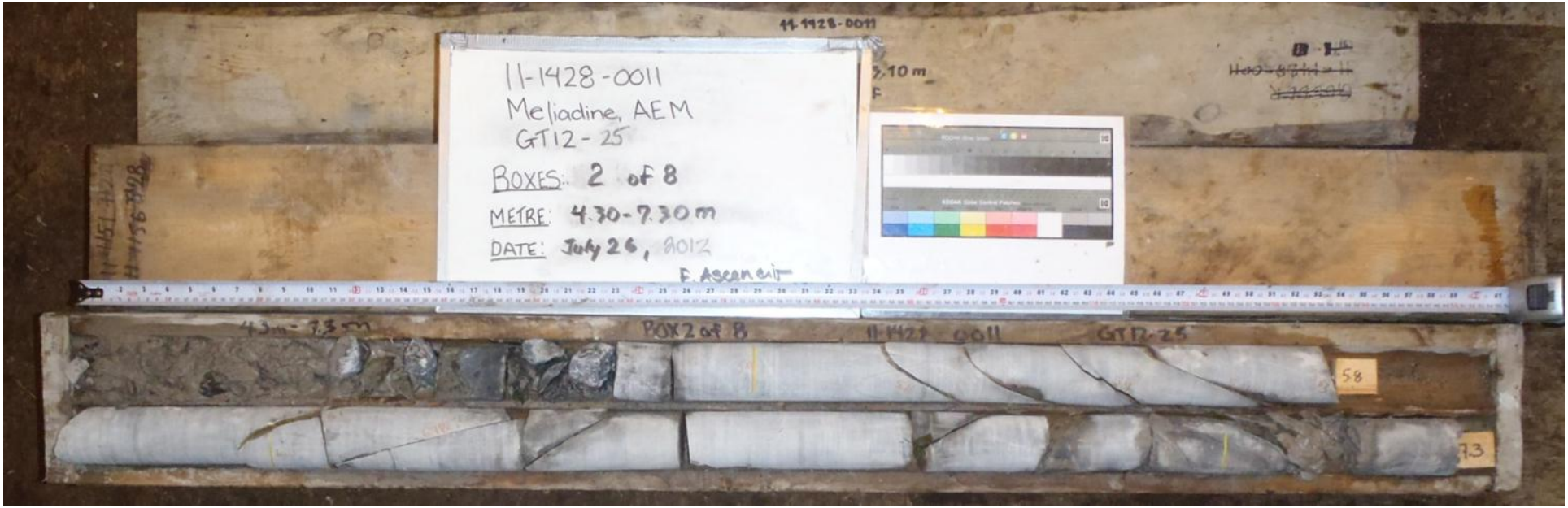
TITLE

BOREHOLE GT12-24
WET HQ DIAMOND DRILL RUN #11 PHOTOGRAPH
FROM 16.00 M TO 17.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D168		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

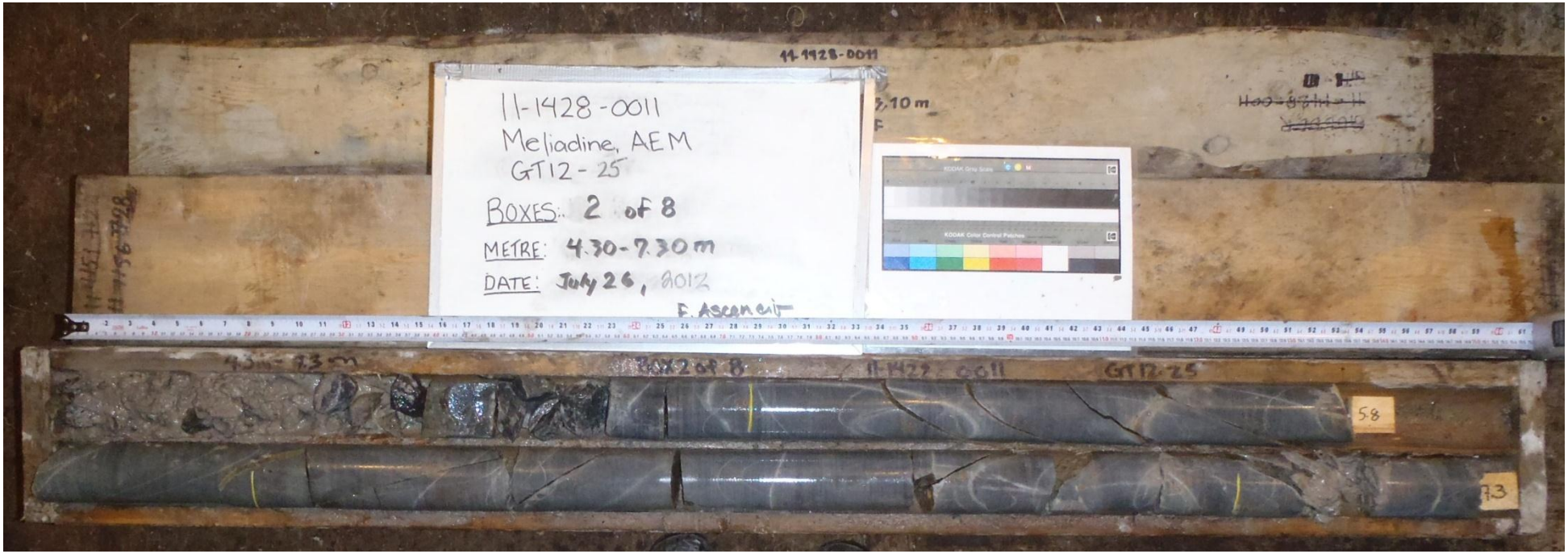


PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-25** **DRY HQ DIAMOND DRILL PHOTOGRAPH** **FROM 4.30 M TO 7.30 M**

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
CADD	CR	08-30-12	D169		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-25
WET HQ DIAMOND DRILL PHOTOGRAPH
FROM 4.30 M TO 7.30 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D170	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-25
DRY HQ DIAMOND DRILL PHOTOGRAPH
FROM 7.30 M TO 13.10 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-25
WET HQ DIAMOND DRILL PHOTOGRAPH
FROM 7.30 M TO 13.10 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D172	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-25
DRY HQ DIAMOND DRILL PHOTOGRAPH
FROM 13.10 M TO 18.76 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D173	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-25 WET HQ DIAMOND DRILL PHOTOGRAPH FROM 13.10 M TO 18.76 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
	DESIGN	CR	08-30-12	SCALE NTS	REV. A
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	REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-25
DRY HQ DIAMOND DRILL PHOTOGRAPH
FROM 18.76 M TO 21.90 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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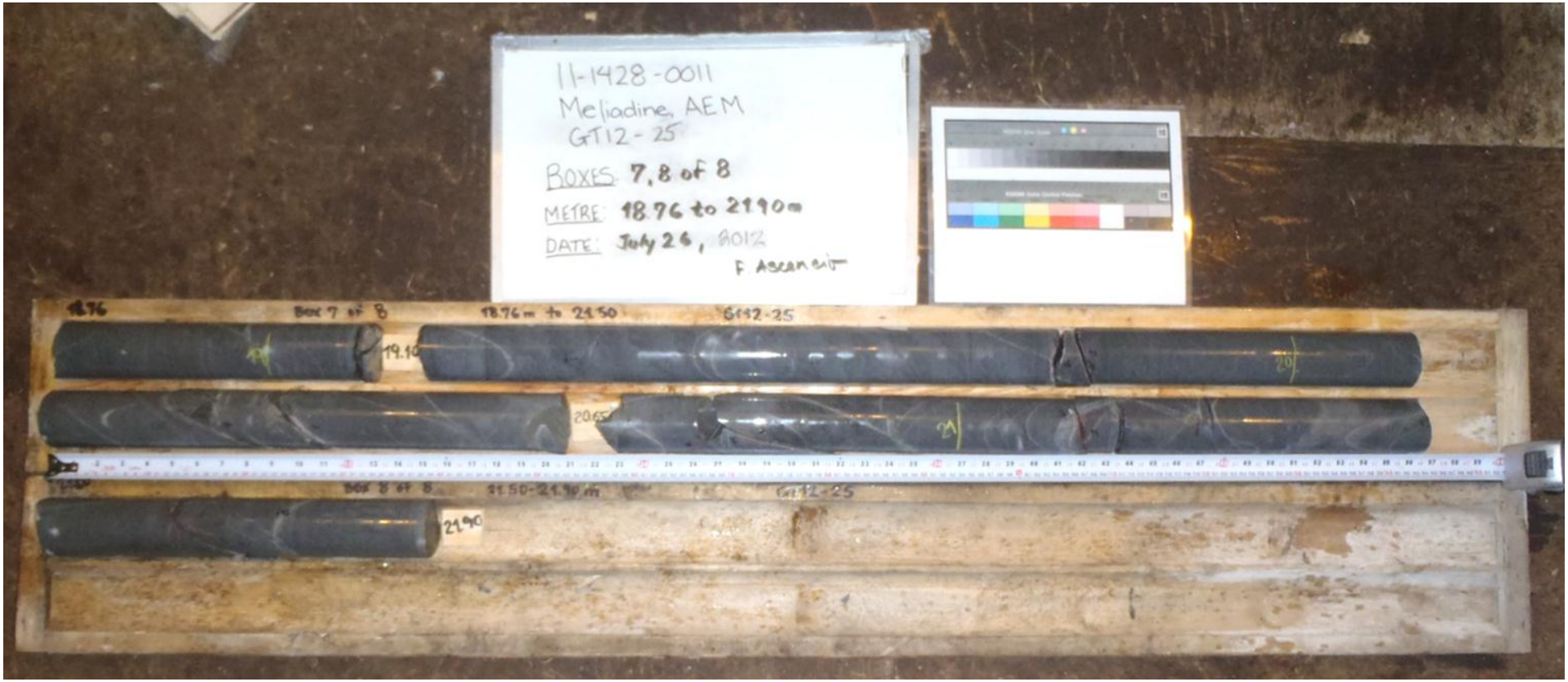

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-25** **WET HQ DIAMOND DRILL PHOTOGRAPH** **FROM 18.76 M TO 21.90 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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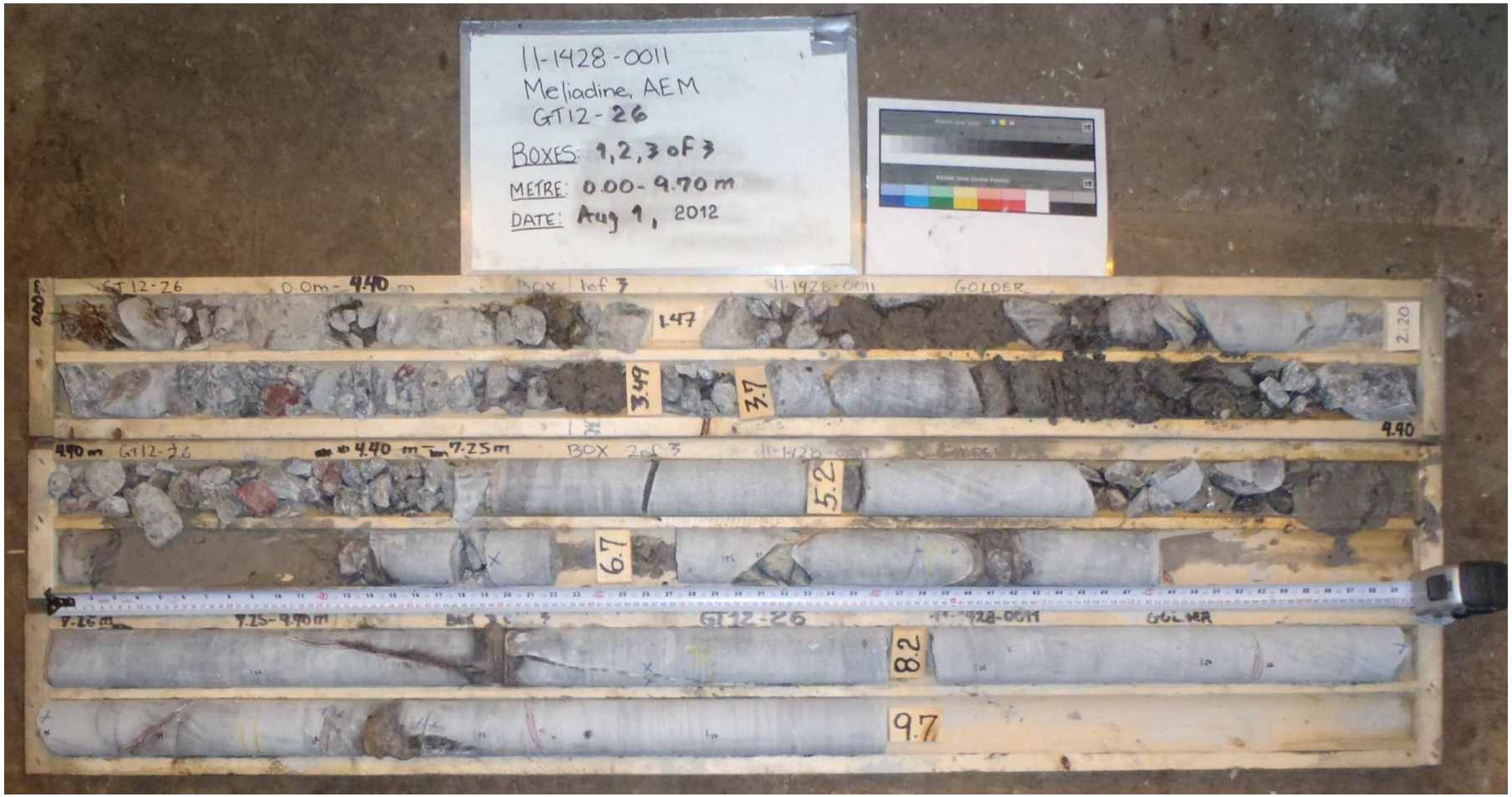
FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-26** **DRY HQ DIAMOND DRILL PHOTOGRAPH** **FROM 0.00 M TO 9.70 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D177	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-26
WET HQ DIAMOND DRILL PHOTOGRAPH
FROM 0.00 M TO 9.70 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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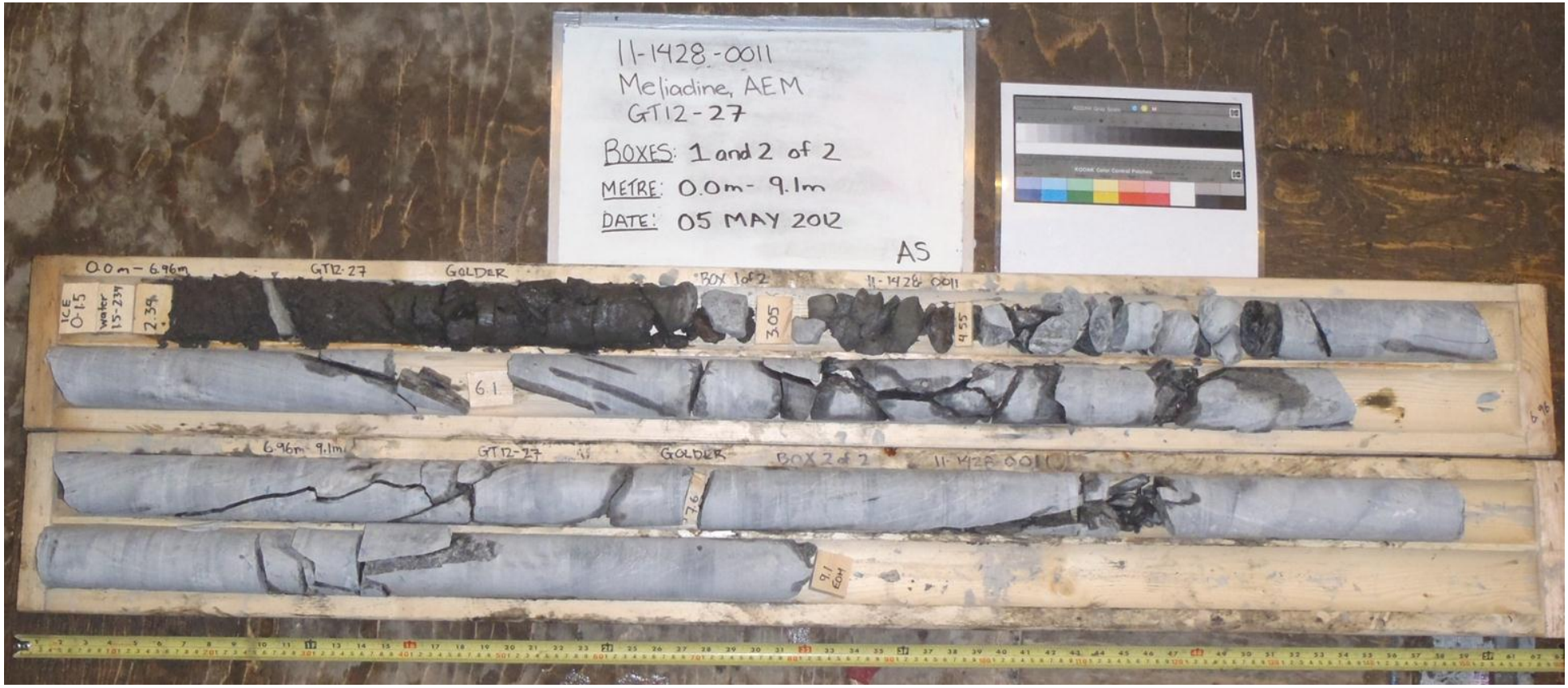

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-27
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 9.10 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-27
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 9.10 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-28
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.15 M TO 5.80 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-28
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 5.80 M TO 8.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-28
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 8.50 M TO 10.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-29 DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 5.98 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D184	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-29
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 5.98 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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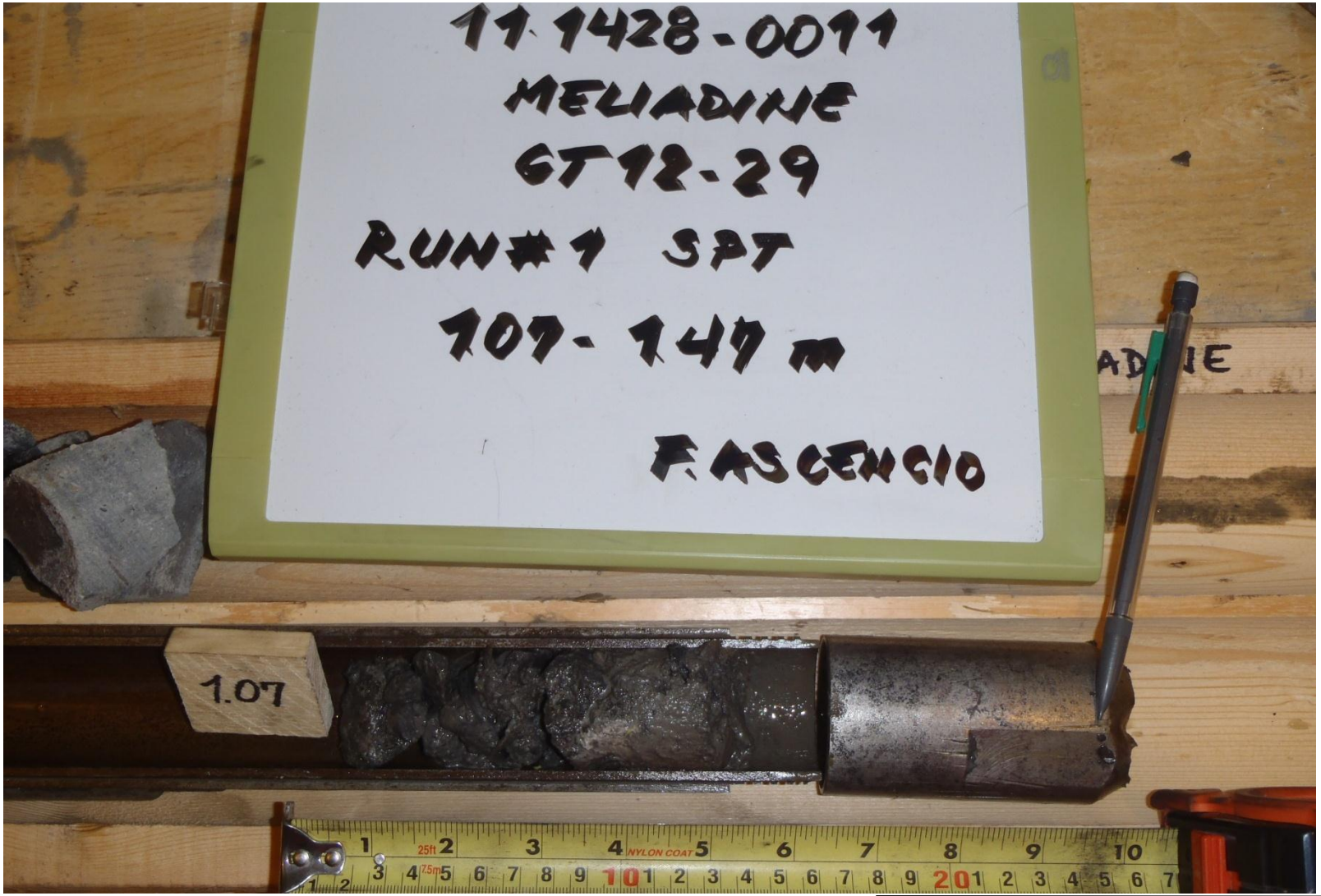

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-29
HQ DIAMOND DRILL RUN #1 SPT PHOTOGRAPH
FROM 1.07 M TO 1.47 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D186

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-30** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 3.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D187	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-30
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 3.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D188	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-30** **DRY HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 3.00 M TO 6.00 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D189		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-30
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 3.00 M TO 6.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D190	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-30
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 7.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-30
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 6.00 M TO 7.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-31
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D193	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-31
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D194	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

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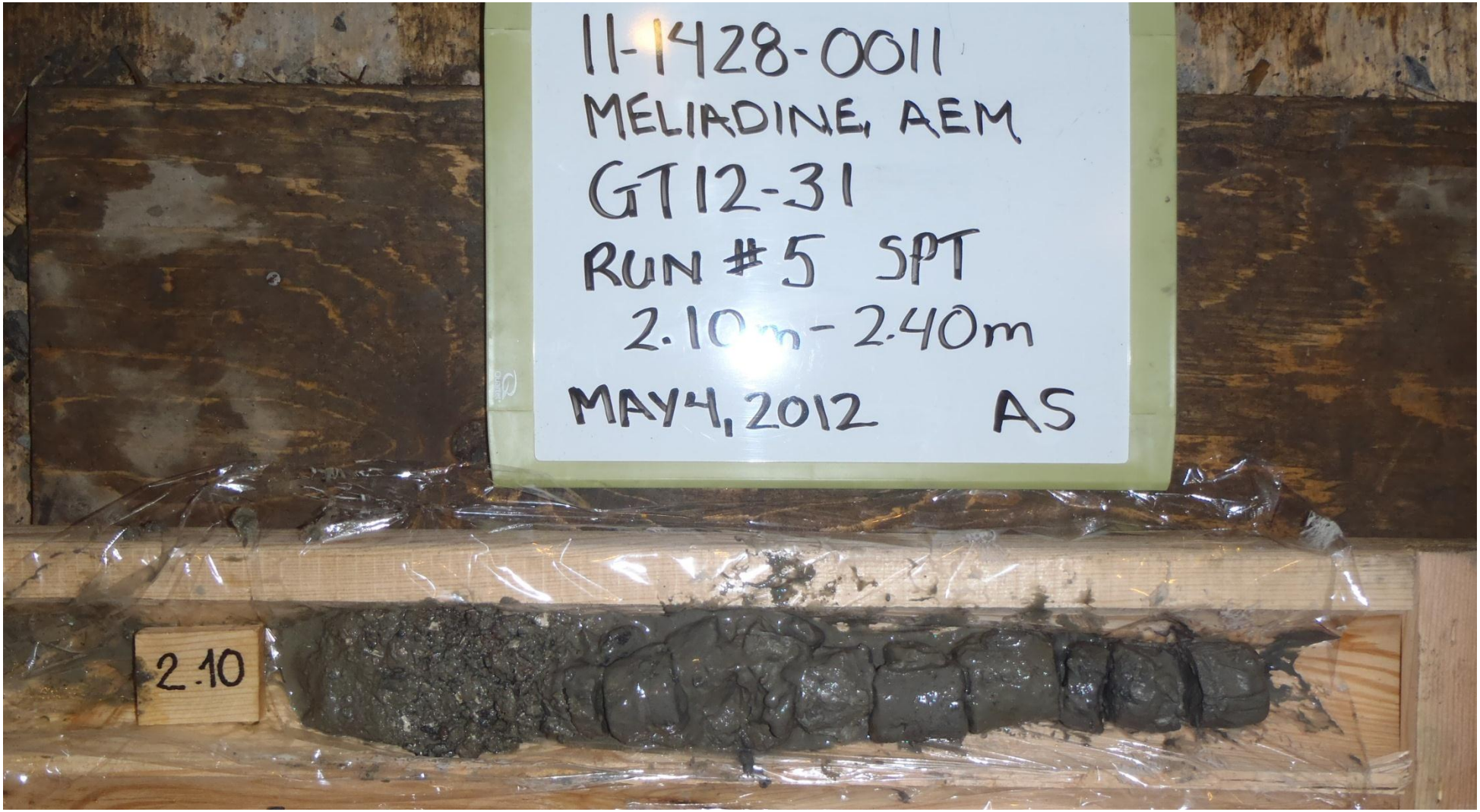

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-31
HQ DIAMOND DRILLRUN #5 SPT PHOTOGRAPH
FROM 2.10 M TO 2.40 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D195	
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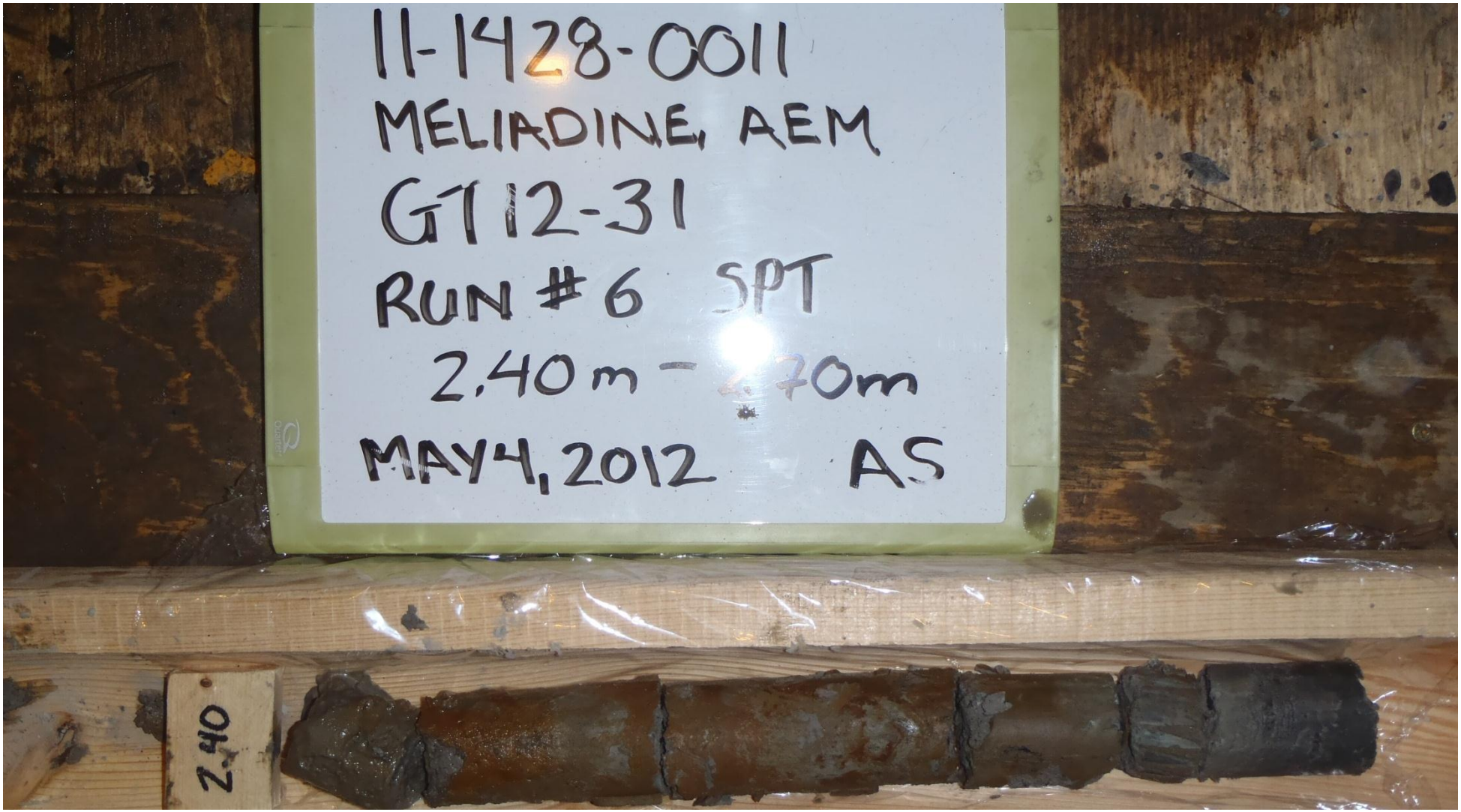
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

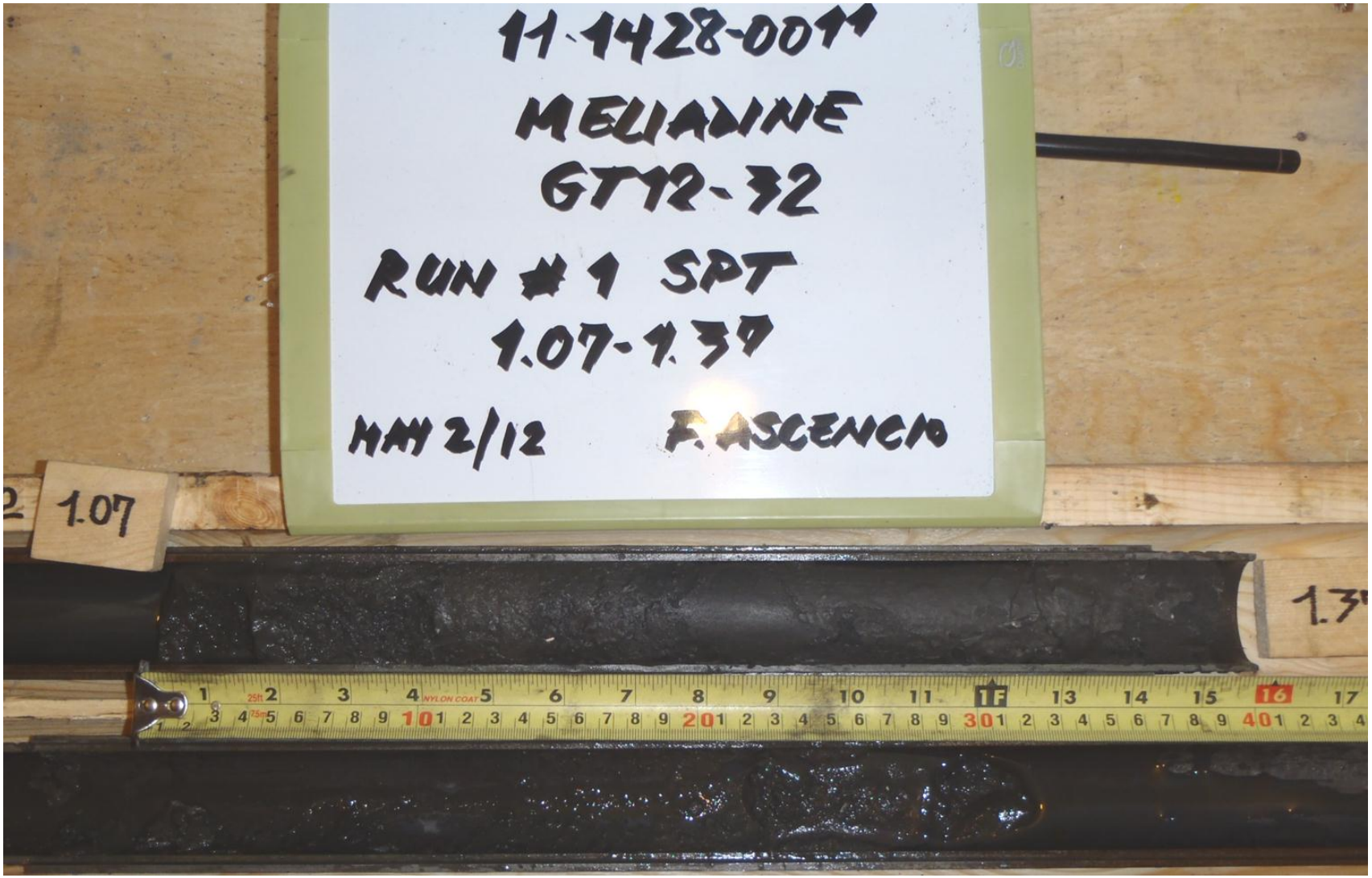
BOREHOLE GT12-31
HQ DIAMOND DRILL RUN #6 SPT PHOTOGRAPH
FROM 2.40 M TO 2.70 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12		
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D196

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-32
HQ DIAMOND DRILL RUN #1 SPT PHOTOGRAPH
FROM 1.07 M TO 1.37 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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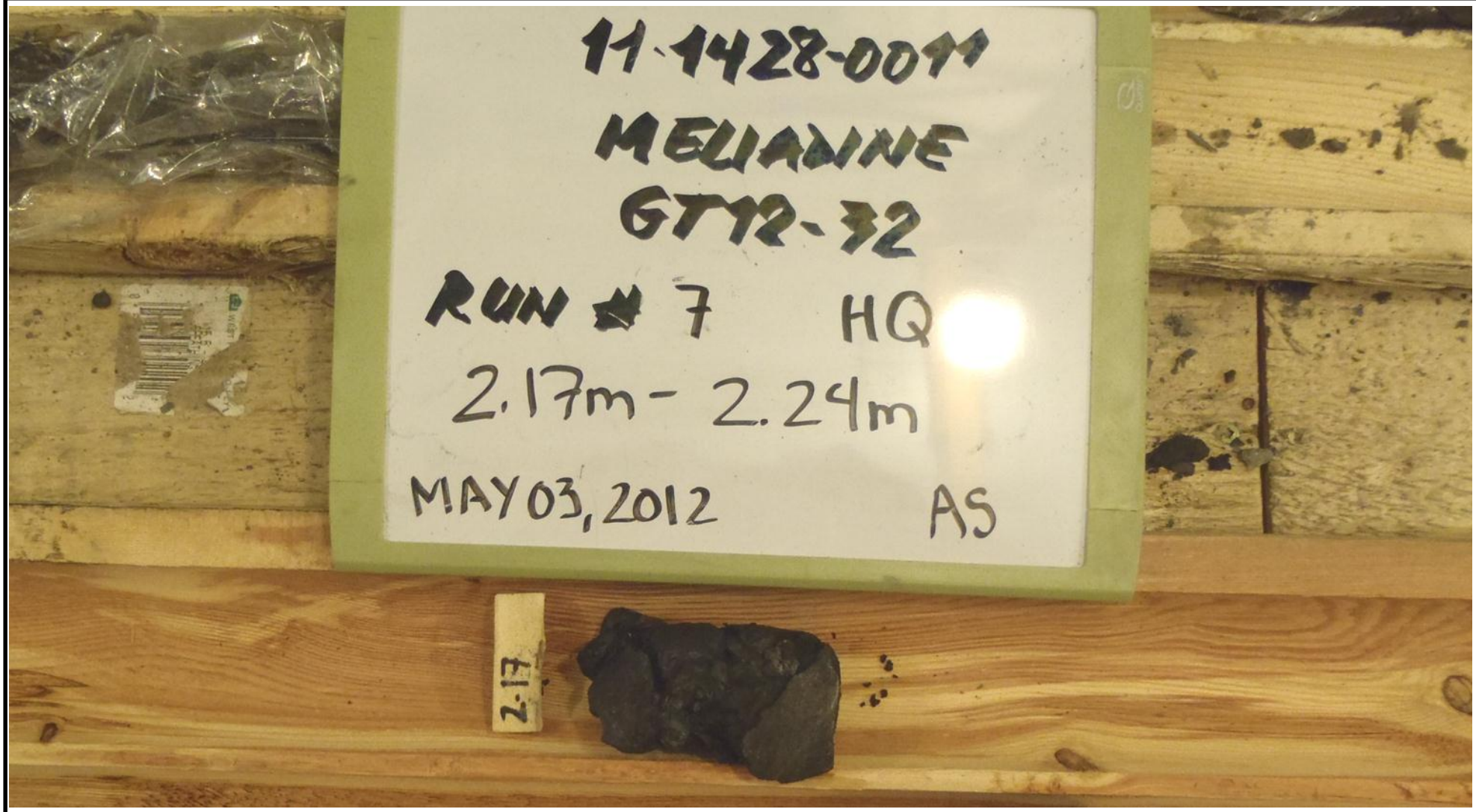
CADD	CR	08-30-12	D197	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-32
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH
FROM 2.17 M TO 2.24 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D198	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-32** **HQ DIAMOND DRILL RUN #4 PHOTOGRAPH** **FROM 1.37 M TO 1.67 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D199	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

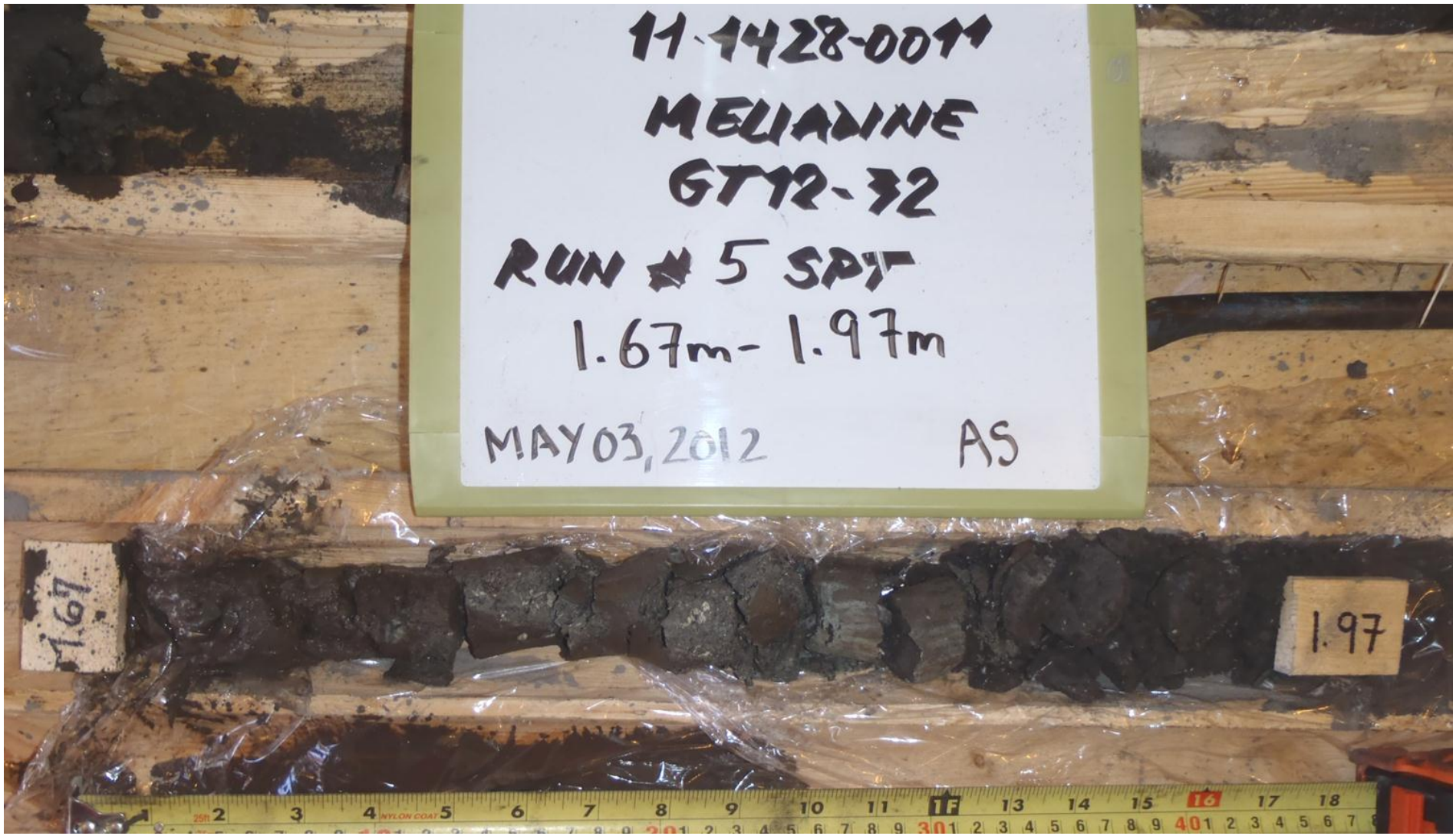
TITLE

BOREHOLE GT12-32
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 1.37 M TO 1.67 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D200	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix



PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-32
HQ DIAMOND DRILL RUN #5 SPT PHOTOGRAPH FROM 1.67 M TO 1.97 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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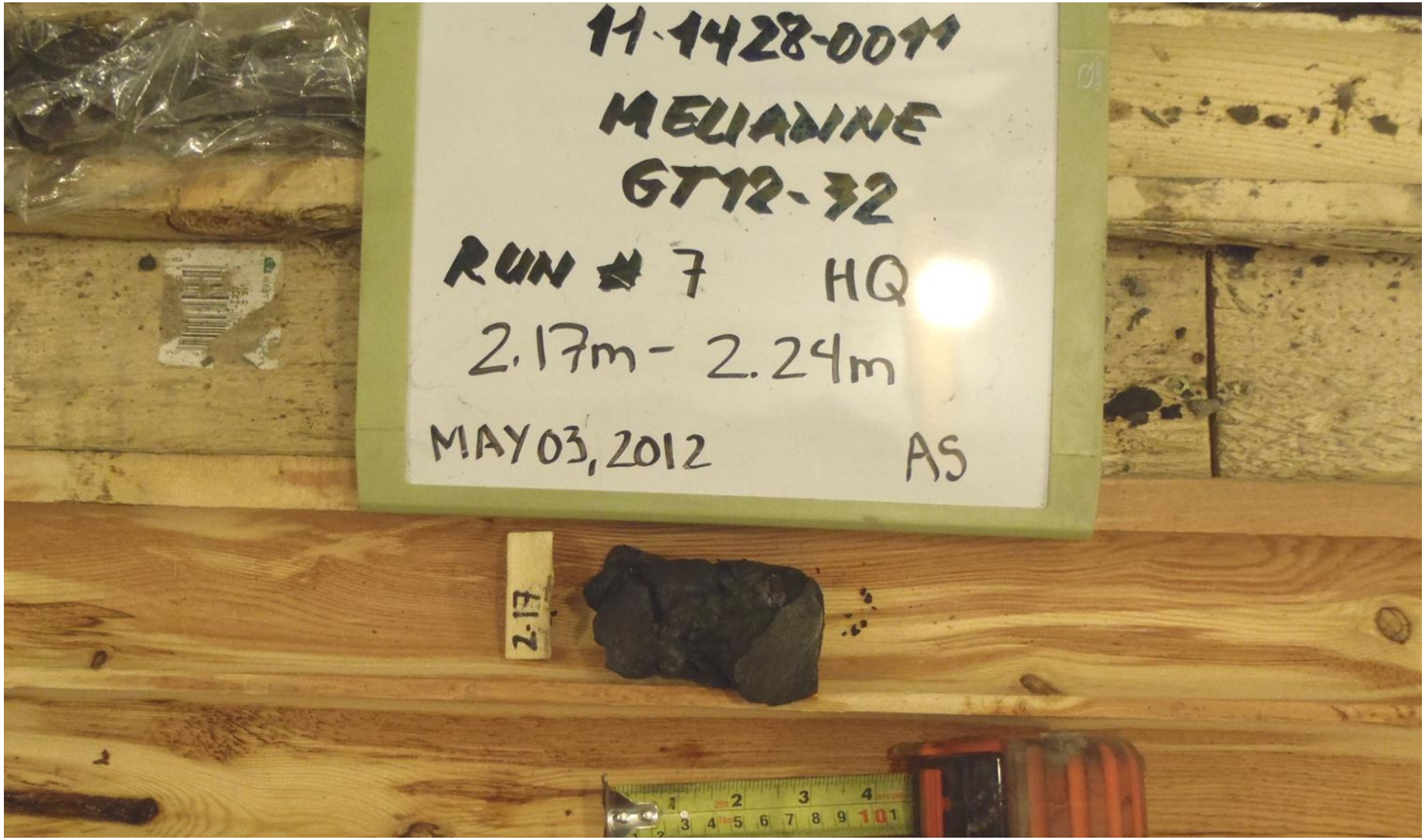

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-32
HQ DIAMOND DRILL RUN #7 PHOTOGRAPH
FROM 2.17 M TO 2.24 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

D202

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-32
HQ DIAMOND DRILL RUN #8 PHOTOGRAPH FROM 2.24 M TO 8.24 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-35
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 9.35 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D204	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-35
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 9.35 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D205	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-36 DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 9.90 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
	DESIGN	CR	08-30-12	SCALE NTS	REV. A
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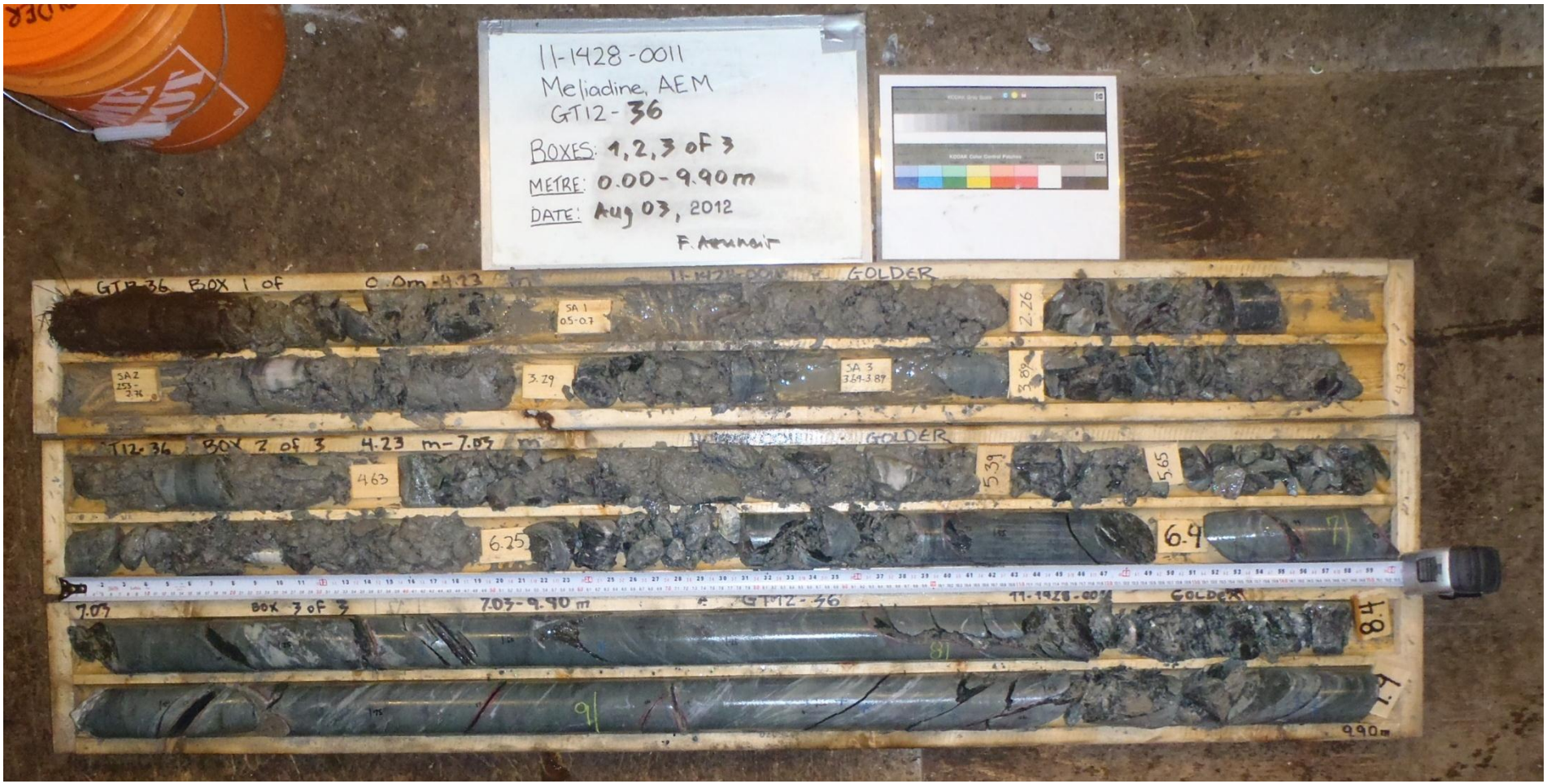

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-36
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 9.90 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D207	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-37
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 14.19 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D208	
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-37
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 14.19 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-37
HQ DIAMOND DRILL RUN #1-2 PHOTOGRAPH
FROM 0.00 M TO 3.55 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-37
HQ DIAMOND DRILL RUN #1-4 PHOTOGRAPH FROM 0.00 M TO 6.59 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-38 DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 6.59 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-38
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 6.59 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-38
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.03 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-39
HQ DIAMOND DRILL PHOTOGRAPH
FROM 0.00 M TO 3.85 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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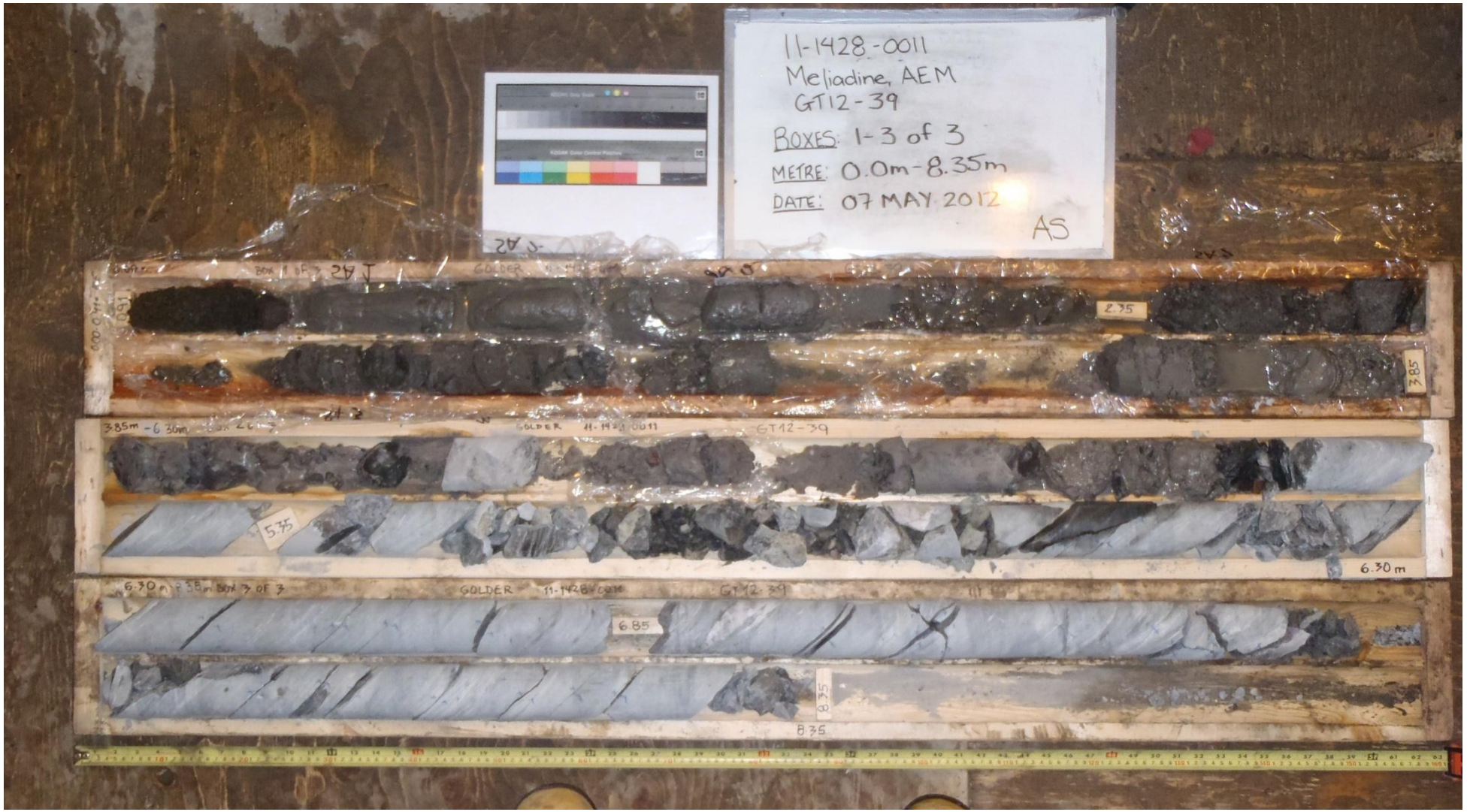

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-39
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.35 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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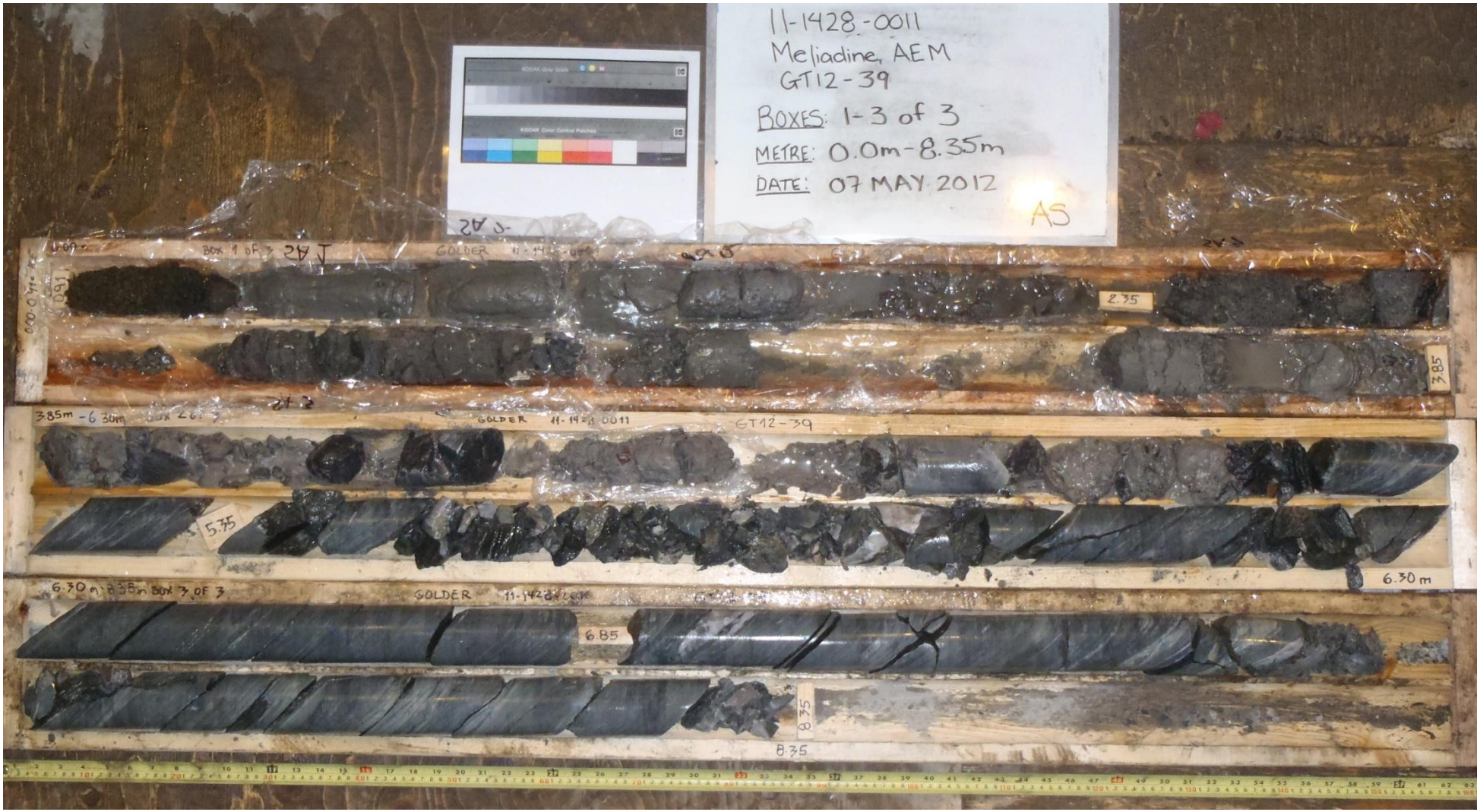

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-39
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.35 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-40
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.10 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	**AEM MELIADINE GOLD PROJECT** **2012 DRILLING PROGRAM** **NUNAVUT**
TITLE	**BOREHOLE GT12-40** **WET HQ DIAMOND DRILL CORE PHOTOGRAPH** **FROM 0.00 M TO 8.10 M**

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS		REV. A
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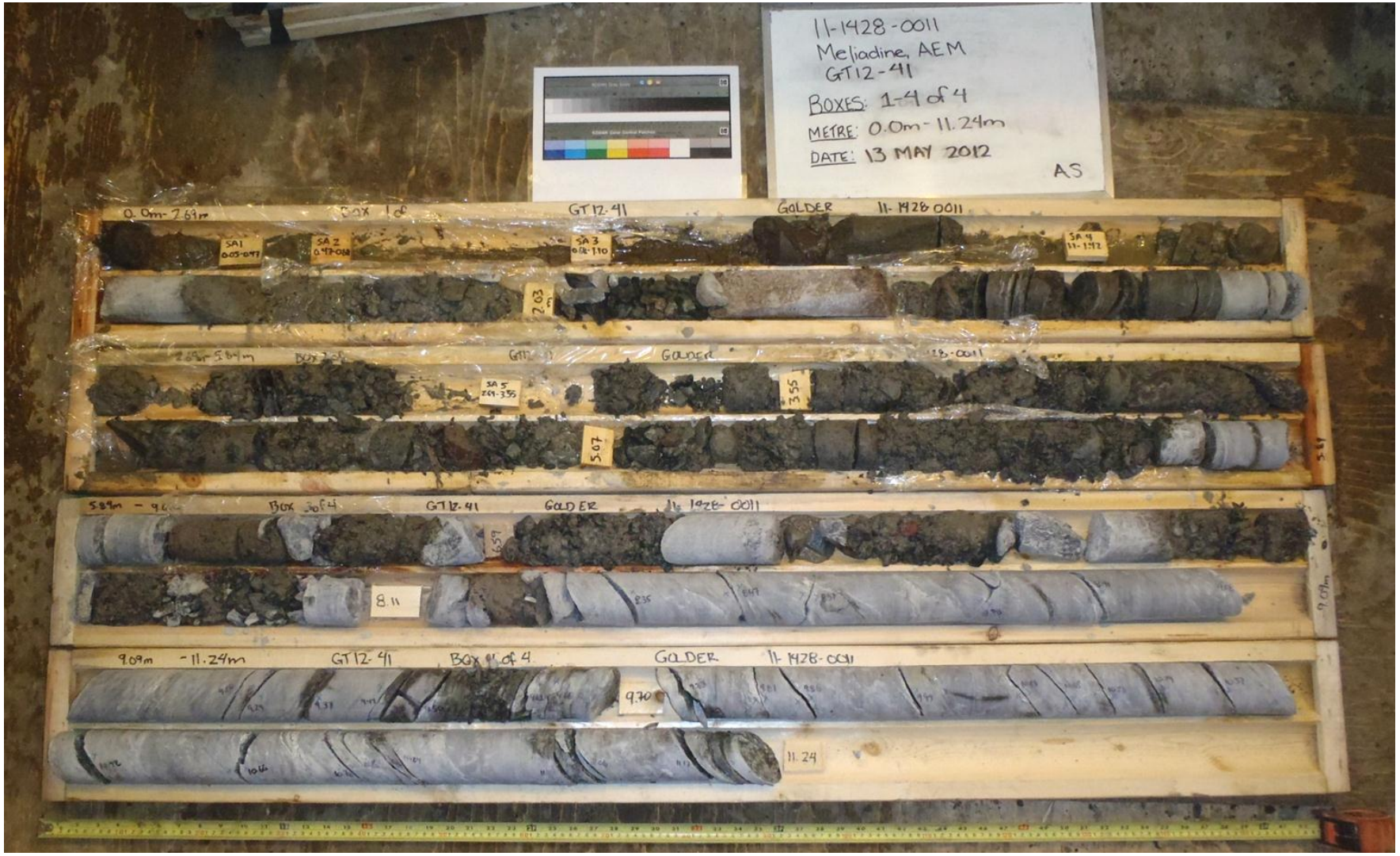

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-41
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 11.24 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-41
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 11.24 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-41
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.03 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D222	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-41
HQ DIAMOND DRILL RUN #1-3 PHOTOGRAPH FROM 0.00 M TO 5.07 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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CHECK	AS	08-30-12			
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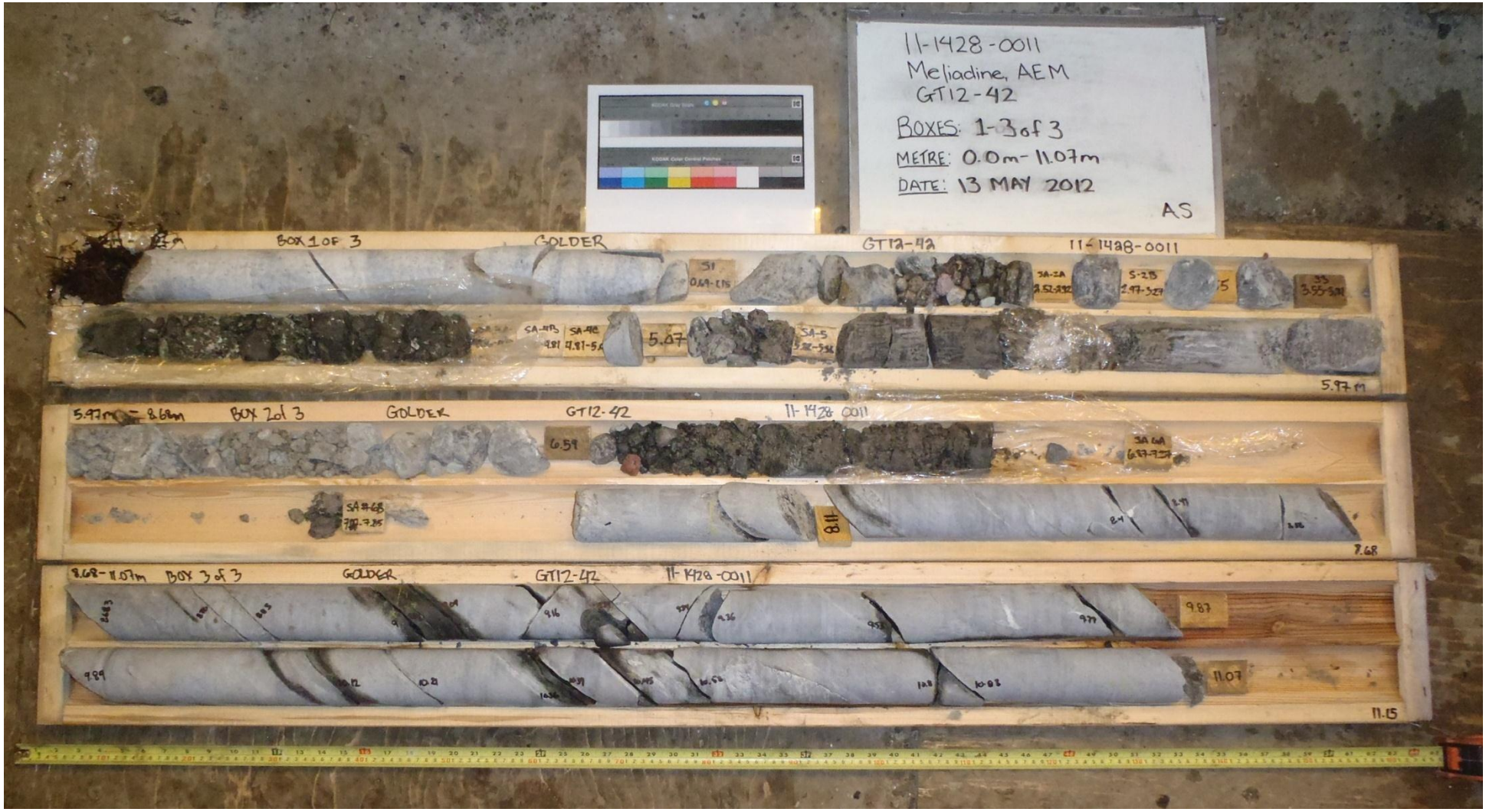

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-42
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 11.07 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-42
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 11.07 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
CADD	CR	08-30-12	D225		
CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-43
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 8.90 M

Golder Associates

PROJECT No.	11-1428-0011		FILE No.		
DESIGN	CR	08-30-12	SCALE	NTS	REV. A
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CHECK	AS	08-30-12			
REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-43
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 8.90 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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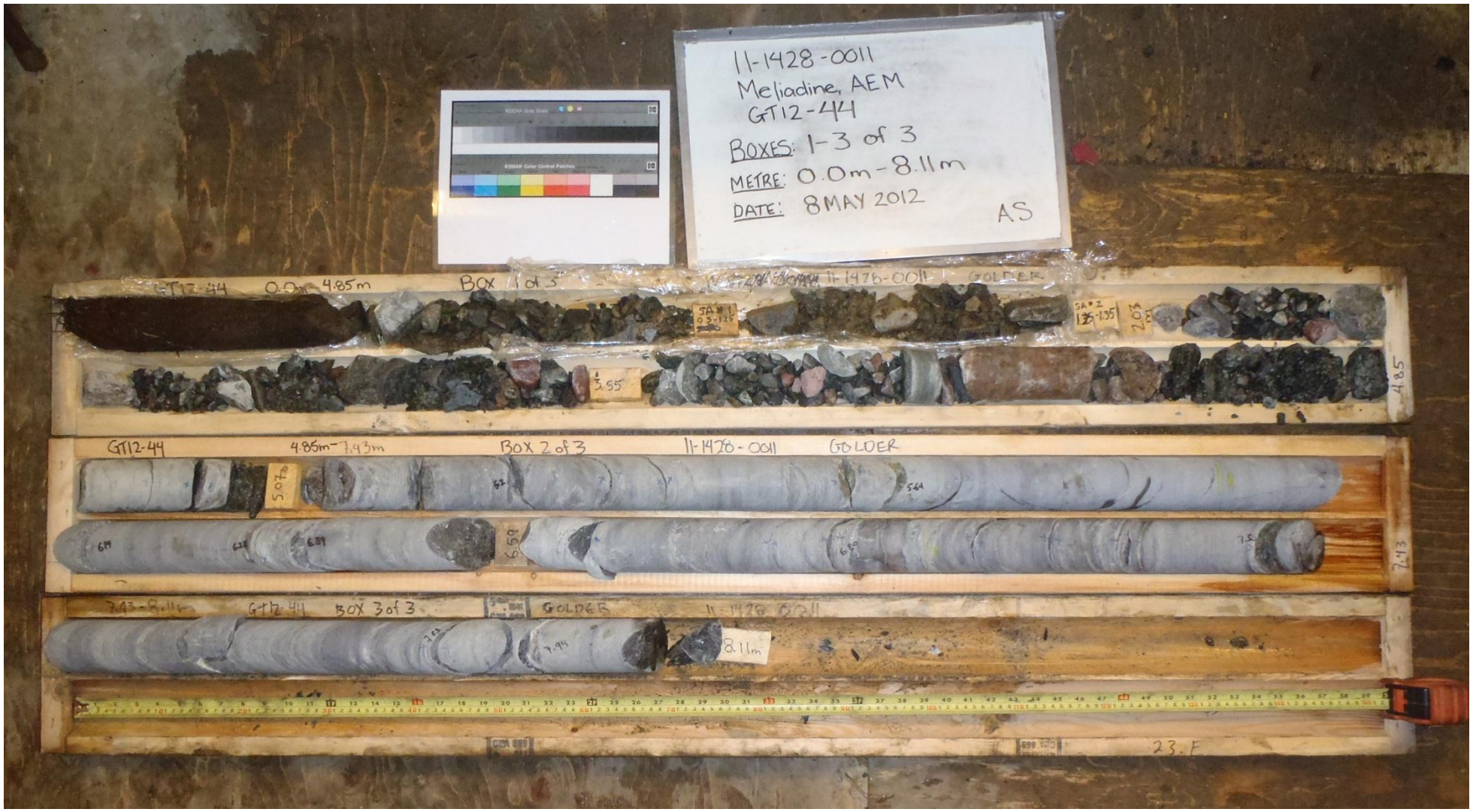

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-44 DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.11 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-44
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.11 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-44
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.03 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-45
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 7.79 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-45
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 7.79 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-45
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.03 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-46
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 9.63 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-46
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 9.63 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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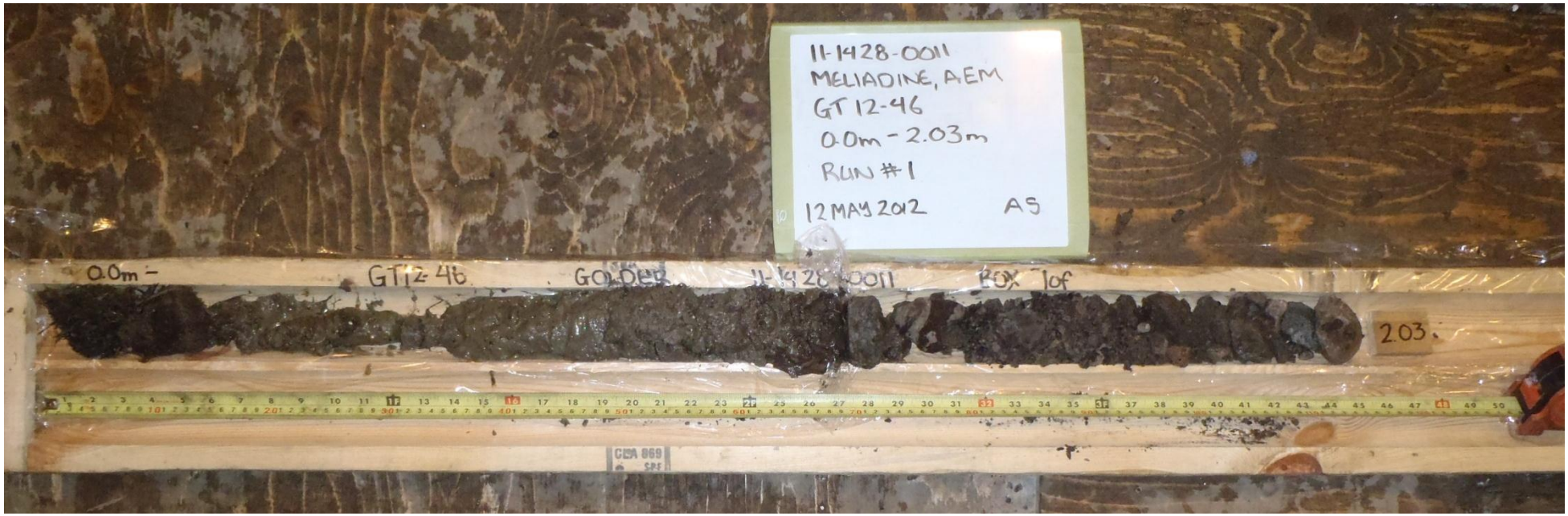

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-46
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 2.03 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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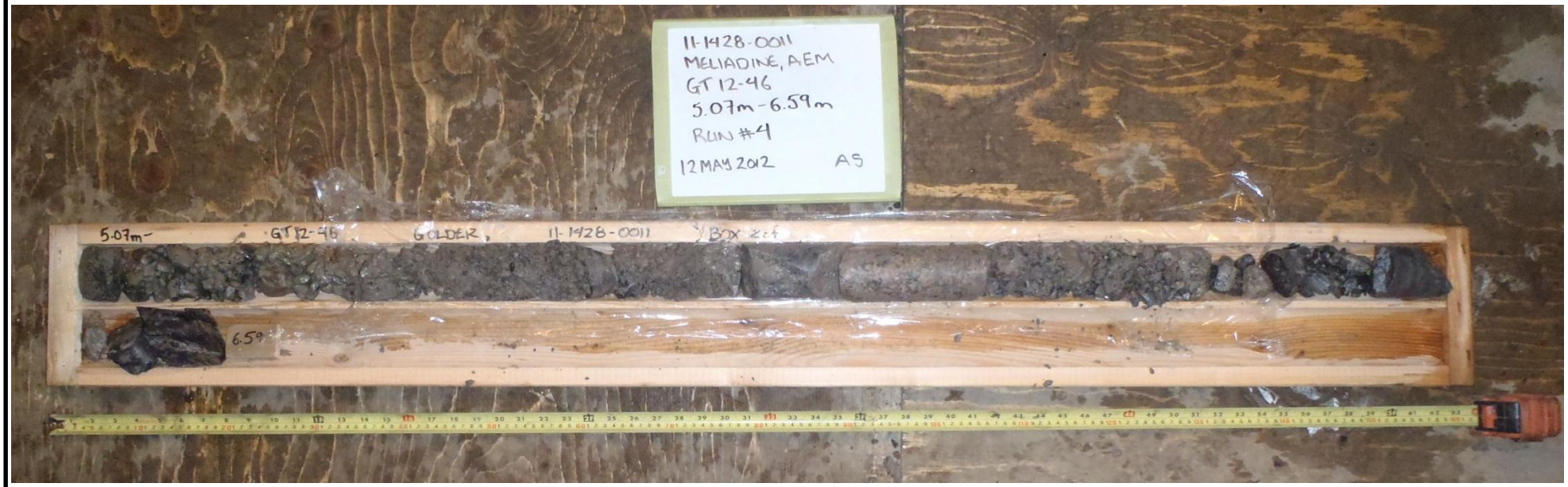

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-46
HQ DIAMOND DRILL RUN #4 PHOTOGRAPH
FROM 5.07 M TO 6.59 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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REVIEW	REM	09-28-12			

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-47
HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 9.80 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-47
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 9.80 M TO 18.0 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-47
WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 9.80 M TO 18.0 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-47
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 18.30 M TO 21.80 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-47
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 18.30 M TO 21.80 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-58
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 8.01 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-58
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 8.01 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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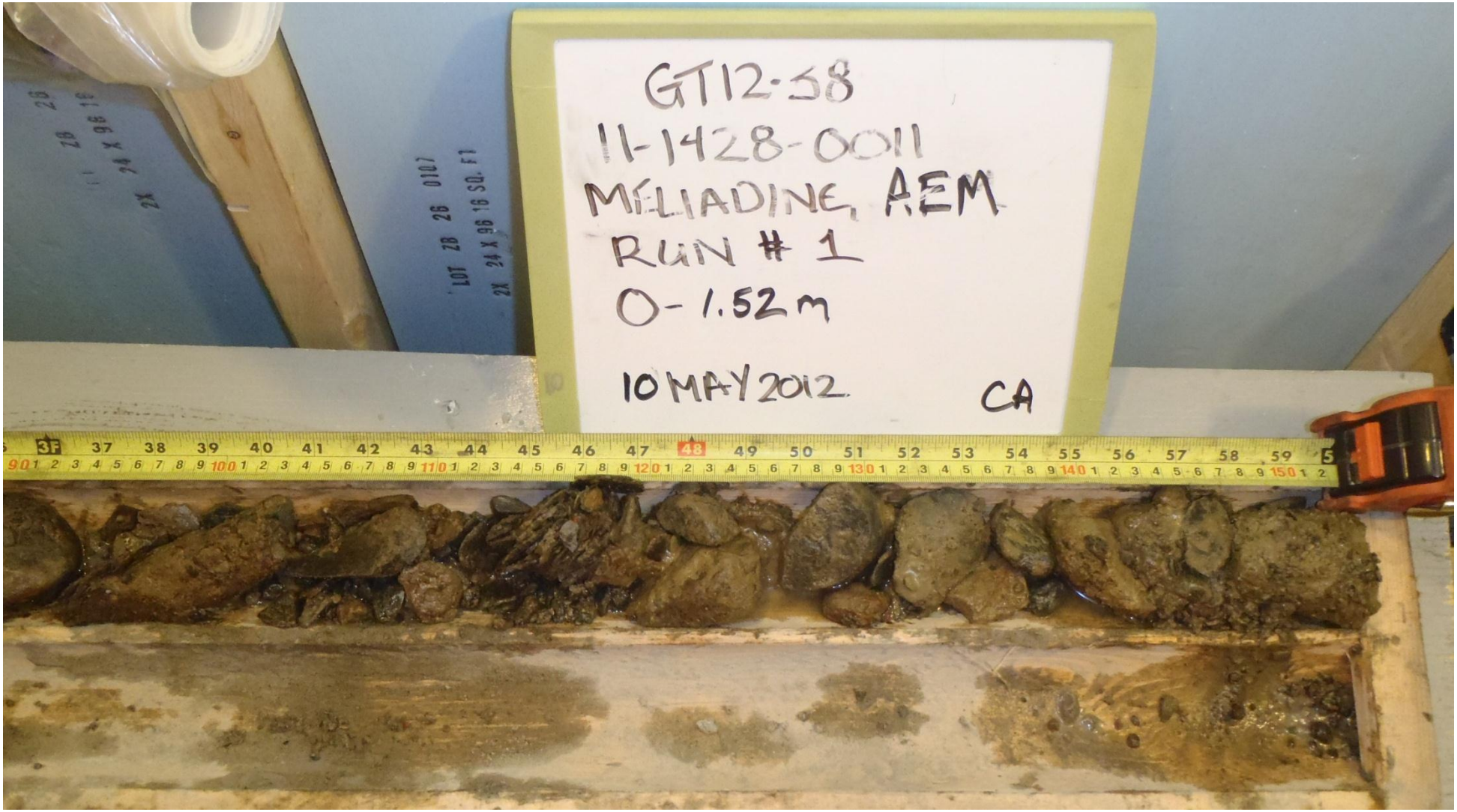

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-58
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH FROM 0.00 M TO 1.52 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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D245

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-58
HQ DIAMOND DRILL RUN #1 PHOTOGRAPH
FROM 0.00 M TO 1.52 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-58
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH FROM 1.52 M TO 3.04 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

D247

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-60
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 13.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-60
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 13.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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REVIEW	REM	09-28-12		

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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-60
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 13.00 M TO 21.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-60
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 13.00 M TO 21.50 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-60
HQ DIAMOND DRILL RUN #2 PHOTOGRAPH
FROM 2.35 M TO 2.88 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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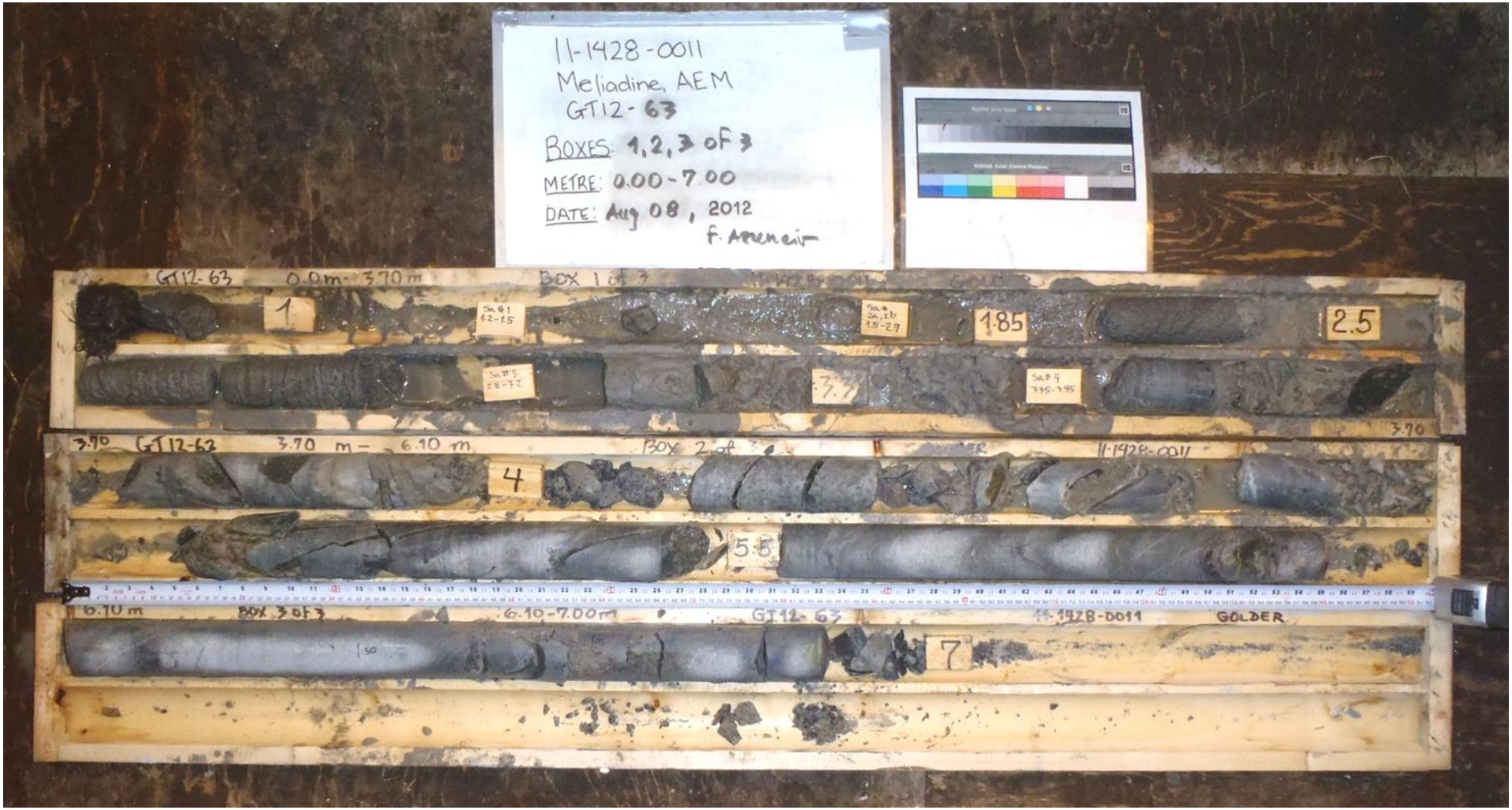

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-63
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-63
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 7.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-64
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 12.90 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
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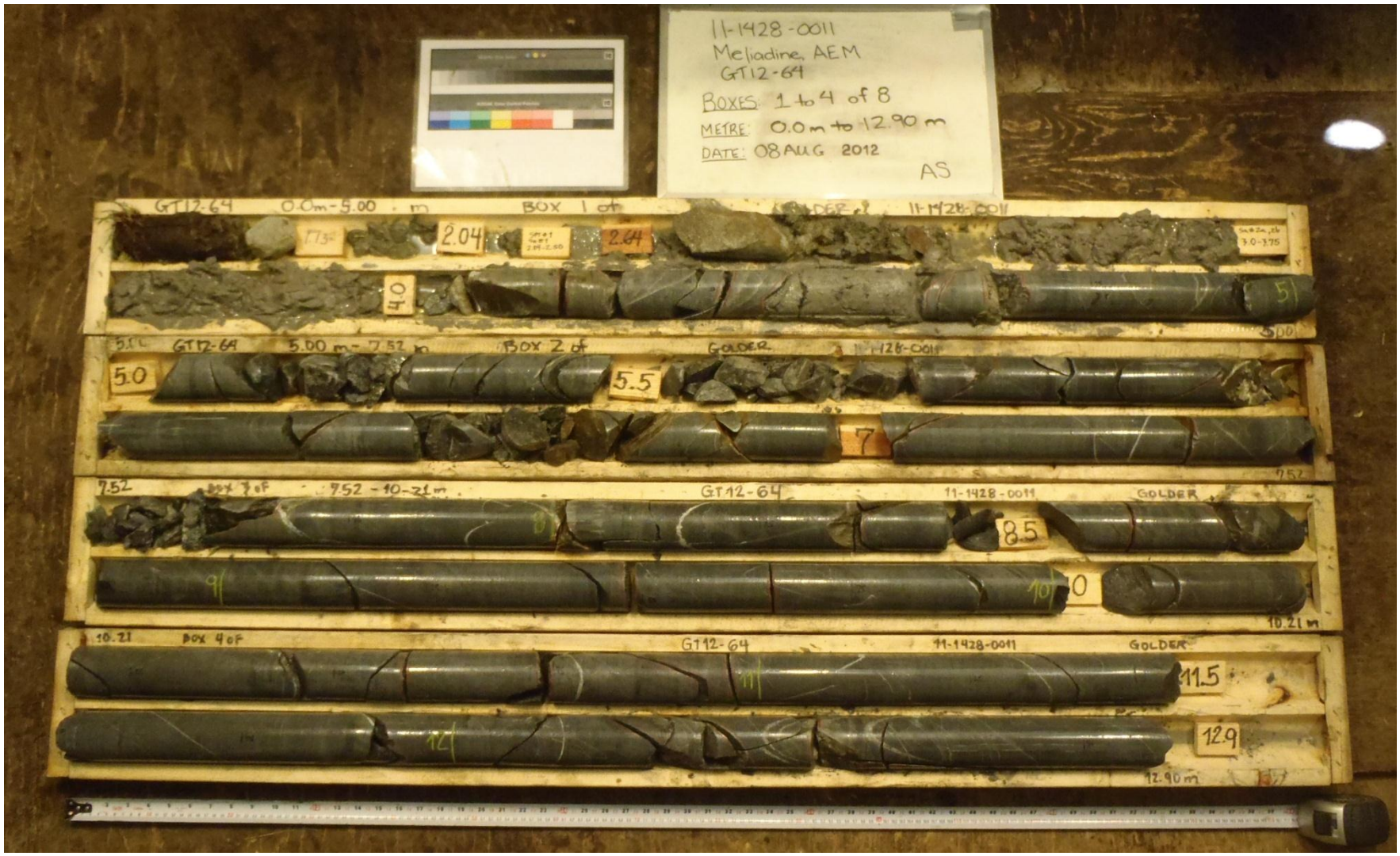

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-64
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 0.00 M TO 12.90 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
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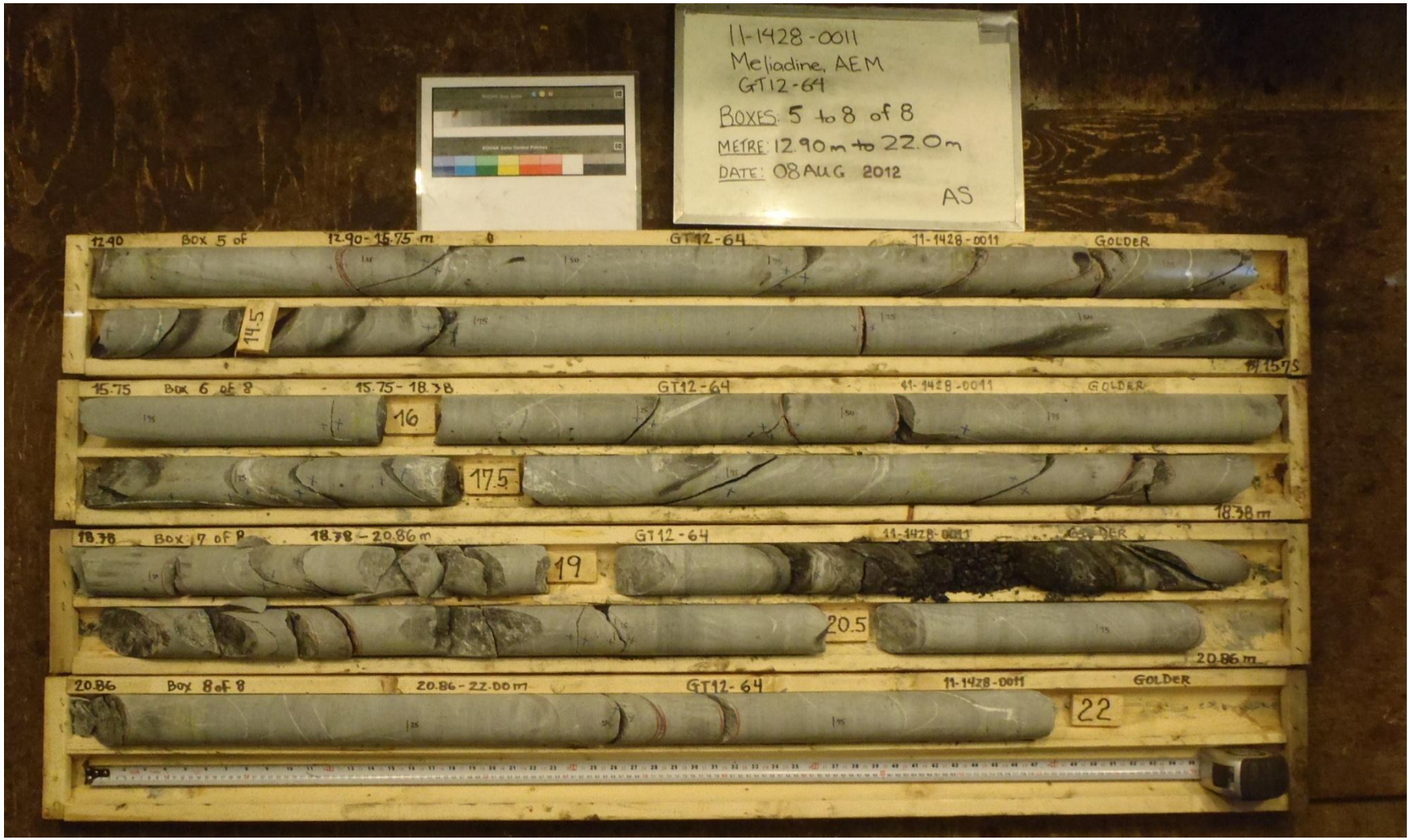

PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-64
DRY HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 12.90 M TO 22.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
DESIGN	CR	08-30-12	SCALE NTS	REV. A	
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PROJECT

AEM MELIADINE GOLD PROJECT
2012 DRILLING PROGRAM
NUNAVUT

TITLE

BOREHOLE GT12-64
WET HQ DIAMOND DRILL CORE PHOTOGRAPH
FROM 12.90 M TO 22.00 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.		
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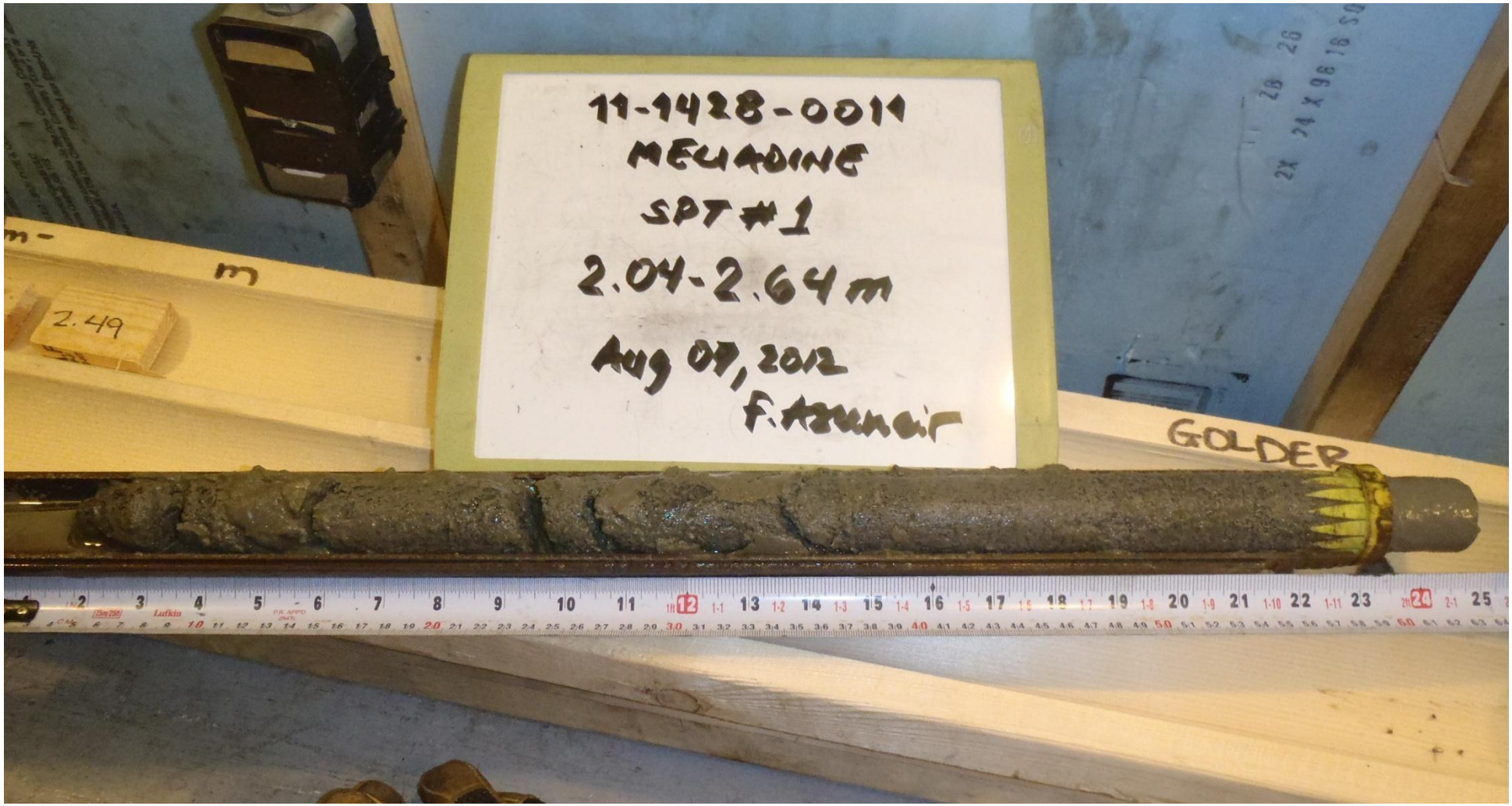

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT				
TITLE	BOREHOLE GT12-64 HQ DIAMOND DRILL SPT #1 PHOTOGRAPH FROM 2.04 M TO 2.64 M				
Golder Associates	PROJECT No. 11-1428-0011			FILE No.	
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	CHECK	AS	08-30-12		
	REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-69 DRY HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 10.85 M

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PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D260	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

FILE: O:\Active\ 2011\1428\11-1428-0011 AEMMeliadineTailings\3200 2012 Drilling Program\Core photographs\Complied photographs\Appendix

PROJECT	AEM MELIADINE GOLD PROJECT 2012 DRILLING PROGRAM NUNAVUT
TITLE	BOREHOLE GT12-69 WET HQ DIAMOND DRILL CORE PHOTOGRAPH FROM 0.00 M TO 10.85 M

Golder Associates

PROJECT No. 11-1428-0011			FILE No.	
DESIGN	CR	08-30-12	SCALE NTS	REV. A
CADD	CR	08-30-12	D261	
CHECK	AS	08-30-12		
REVIEW	REM	09-28-12		

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