

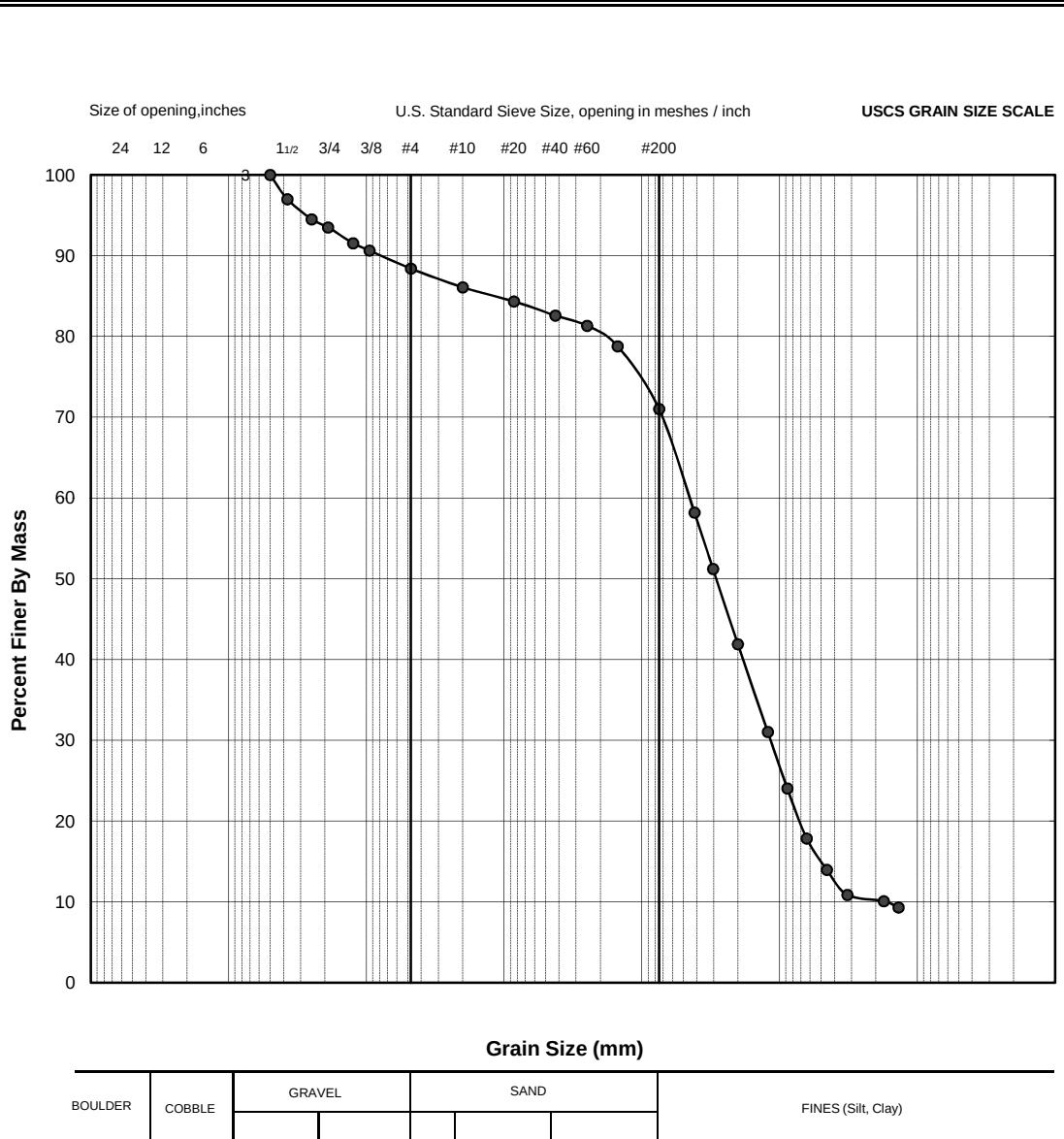
PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM D 422-63 (2007)

Project No.:	08-1428-0029 (5000)	Sample:	5
Client:	AEM	Field No.:	TSF 072604-01
Project:	Meadowbank Gold Project	Depth (m):	N/A
Location:	Nunavut	Lab ID No:	SA-5
Specific Gravity (assumed):	2.76	Other	
Date Sampled:	July 26, 2009	Remarks:	SWD, Till Borrow Source
Dispersion Method:	Stirring		
Dispersion Period (min):	960.00		

Sieve Size (USS)	(mm)	% Passing
3.5"	87.50	100.0
3"	75.00	100.0
2"	50.00	100.0
1.5"	37.50	97.0
1"	25.00	94.5
3/4"	19.00	93.5
1/2"	12.50	91.5
3/8"	9.50	90.6
#4	4.75	88.4
#10	2.00	86.1
#20	0.850	84.3
#40	0.425	82.6
#60	0.250	81.3
#100	0.150	78.8
#200	0.075	71.0
-	0.0415	58.2
-	0.0304	51.2
-	0.0201	41.9
-	0.0122	31.0
-	0.0088	24.1
-	0.0064	17.8
-	0.0045	14.0
-	0.0032	10.9
-	0.0018	10.1
-	0.0014	9.3



* The test data given herein pertain to the sample provided only. This report constitutes a testing service only.
Interpretation of the data can be provided upon request.

DE	September 2, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS				Reference ASTM D 422-63 (2007)																																																																																																																																			
Project No.:		08-1428-0029 (5000)		Sample: 11																																																																																																																																			
Client:		AEM		Field No.: TSF072909-01																																																																																																																																			
Project:		Meadowbank Gold Project		Depth (m): N/A																																																																																																																																			
Location:		Nunavut		Lab ID No: SA-11																																																																																																																																			
Specific Gravity (assumed):		2.70		Other SWD Native till borrow material, downstream side																																																																																																																																			
Date Sampled:		July 29, 2009		Remarks:																																																																																																																																			
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Dispersion Period (min):		960.00																																																																																																																																					
<table><thead><tr><th>Sieve Size (USS)</th><th>(mm)</th><th>% Passing</th></tr></thead><tbody><tr><td>3.5"</td><td>87.50</td><td>100.0</td></tr><tr><td>3"</td><td>75.00</td><td>100.0</td></tr><tr><td>2"</td><td>50.00</td><td>100.0</td></tr><tr><td>1.5"</td><td>37.50</td><td>83.0</td></tr><tr><td>1"</td><td>25.00</td><td>81.4</td></tr><tr><td>3/4"</td><td>19.00</td><td>79.0</td></tr><tr><td>1/2"</td><td>12.50</td><td>74.4</td></tr><tr><td>3/8"</td><td>9.50</td><td>71.6</td></tr><tr><td>#4</td><td>4.75</td><td>66.8</td></tr><tr><td>#10</td><td>2.00</td><td>62.9</td></tr><tr><td>#20</td><td>0.850</td><td>57.3</td></tr><tr><td>#40</td><td>0.425</td><td>52.1</td></tr><tr><td>#60</td><td>0.250</td><td>47.9</td></tr><tr><td>#100</td><td>0.150</td><td>43.4</td></tr><tr><td>#200</td><td>0.075</td><td>37.6</td></tr><tr><td>-</td><td>0.0371</td><td>28.1</td></tr><tr><td>-</td><td>0.0273</td><td>25.9</td></tr><tr><td>-</td><td>0.0183</td><td>22.2</td></tr><tr><td>-</td><td>0.0113</td><td>17.6</td></tr><tr><td>-</td><td>0.0083</td><td>14.2</td></tr><tr><td>-</td><td>0.0061</td><td>11.4</td></tr><tr><td>-</td><td>0.0044</td><td>9.1</td></tr><tr><td>-</td><td>0.0026</td><td>6.5</td></tr><tr><td>-</td><td>0.0024</td><td>5.7</td></tr><tr><td>-</td><td>0.0014</td><td>4.5</td></tr></tbody></table>		Sieve Size (USS)	(mm)	% Passing	3.5"	87.50	100.0	3"	75.00	100.0	2"	50.00	100.0	1.5"	37.50	83.0	1"	25.00	81.4	3/4"	19.00	79.0	1/2"	12.50	74.4	3/8"	9.50	71.6	#4	4.75	66.8	#10	2.00	62.9	#20	0.850	57.3	#40	0.425	52.1	#60	0.250	47.9	#100	0.150	43.4	#200	0.075	37.6	-	0.0371	28.1	-	0.0273	25.9	-	0.0183	22.2	-	0.0113	17.6	-	0.0083	14.2	-	0.0061	11.4	-	0.0044	9.1	-	0.0026	6.5	-	0.0024	5.7	-	0.0014	4.5	Size of opening, inches U.S. Standard Sieve Size, opening in meshes / inch USCS GRAIN SIZE SCALE 241261 1/23/43/8#4#10#20#40#60#200 1009080706050403020100 Percent Finer By Mass <table><thead><tr><th>Grain Size (mm)</th><th>Percent Finer By Mass</th></tr></thead><tbody><tr><td>87.5</td><td>100.0</td></tr><tr><td>75.0</td><td>100.0</td></tr><tr><td>50.0</td><td>100.0</td></tr><tr><td>37.5</td><td>83.0</td></tr><tr><td>25.0</td><td>81.4</td></tr><tr><td>19.0</td><td>79.0</td></tr><tr><td>12.5</td><td>74.4</td></tr><tr><td>9.5</td><td>71.6</td></tr><tr><td>4.75</td><td>66.8</td></tr><tr><td>2.0</td><td>62.9</td></tr><tr><td>0.85</td><td>57.3</td></tr><tr><td>0.425</td><td>52.1</td></tr><tr><td>0.25</td><td>47.9</td></tr><tr><td>0.15</td><td>43.4</td></tr><tr><td>0.075</td><td>37.6</td></tr><tr><td>0.0371</td><td>28.1</td></tr><tr><td>0.0273</td><td>25.9</td></tr><tr><td>0.0183</td><td>22.2</td></tr><tr><td>0.0113</td><td>17.6</td></tr><tr><td>0.0083</td><td>14.2</td></tr><tr><td>0.0061</td><td>11.4</td></tr><tr><td>0.0044</td><td>9.1</td></tr><tr><td>0.0026</td><td>6.5</td></tr><tr><td>0.0024</td><td>5.7</td></tr><tr><td>0.0014</td><td>4.5</td></tr></tbody></table> Grain Size (mm) BOULDER COBBLE GRAVEL SAND FINES (Silt, Clay) * The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.				Grain Size (mm)	Percent Finer By Mass	87.5	100.0	75.0	100.0	50.0	100.0	37.5	83.0	25.0	81.4	19.0	79.0	12.5	74.4	9.5	71.6	4.75	66.8	2.0	62.9	0.85	57.3	0.425	52.1	0.25	47.9	0.15	43.4	0.075	37.6	0.0371	28.1	0.0273	25.9	0.0183	22.2	0.0113	17.6	0.0083	14.2	0.0061	11.4	0.0044	9.1	0.0026	6.5	0.0024	5.7	0.0014	4.5
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Project #: 08-1429-0029
 Short Title: Meadowbank Gold Project
 Client: AEM
 Location: Nunavut
 Lab ID: Sheet No. 1

Field Label	TSF-072509	TSF-072509	TSF-072509	TSF-072509	TSF-072609	TSF-072609
Sample Number	1	2	3	4	5	6
Sample Location	SWD Sta. 10+735	SWD subgrade	SWD subgrade	SWD subgrade	SWD subgrade	SWD subgrade
Material Spec.	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow
Depth (m)	-	-	-	-	-	-
Mass of Dry Soil (g)	2794.3	3443.3	3549.3	3736.1	3186.5	3644.7
Water Content W (%)	8.8	10.2	8.7	12.5	18.2	12.5

Field Label	TSF-072709	TSF-072709	TSF-072809	TSF-072809	TSF-072909	TSF-073009
Sample Number	7	8	9	10	11	12
Sample Location	SWD subgrade	SWD subgrade	SWD subgrade	Till stockpile	SWD subgrade	SWD subgrade
Material Spec.	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow
Depth (m)	-	-	-	-	-	-
Mass of Dry Soil (g)	2353.2	4247.7	2110.8	3054.7	8619.7	7922.1
Water Content W (%)	7.7	9.1	8.4	6.8	9.0	14.0

Field Label	TSF-083009	TSF-082709	TSF-082709			
Sample Number	13	14	15			
Sample Location	SWD Sta. 10+800	SWD tie-in trench	Till stockpile			
Material Spec.	Till borrow	Till borrow	Till borrow			
Depth (m)	-	-	-			
Mass of Dry Soil (g)	4903.4	7805.4	6641.2			
Water Content W (%)	9.8	9.1	9.8			

RB

August 24, 2009

TESTED BY

DATE TESTED

CHECKED BY

DATE CHECKED



Golder Associates Ltd.
 500 - 4260 Still Creek Drive, Burnaby, British
 Columbia, Canada V5C 6C6
 Tel: +1 (604) 296 4200 Fax: +1 (604) 298 5253 www.golder.com



PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **1**
Client: AEM

Field Label: TSF-072509-01

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-1

Remarks: Water Content = 8.8%

Sampling Date: July 25, 2009

Sa. Location: SWD, Sta. 10+735 offset 50m SE

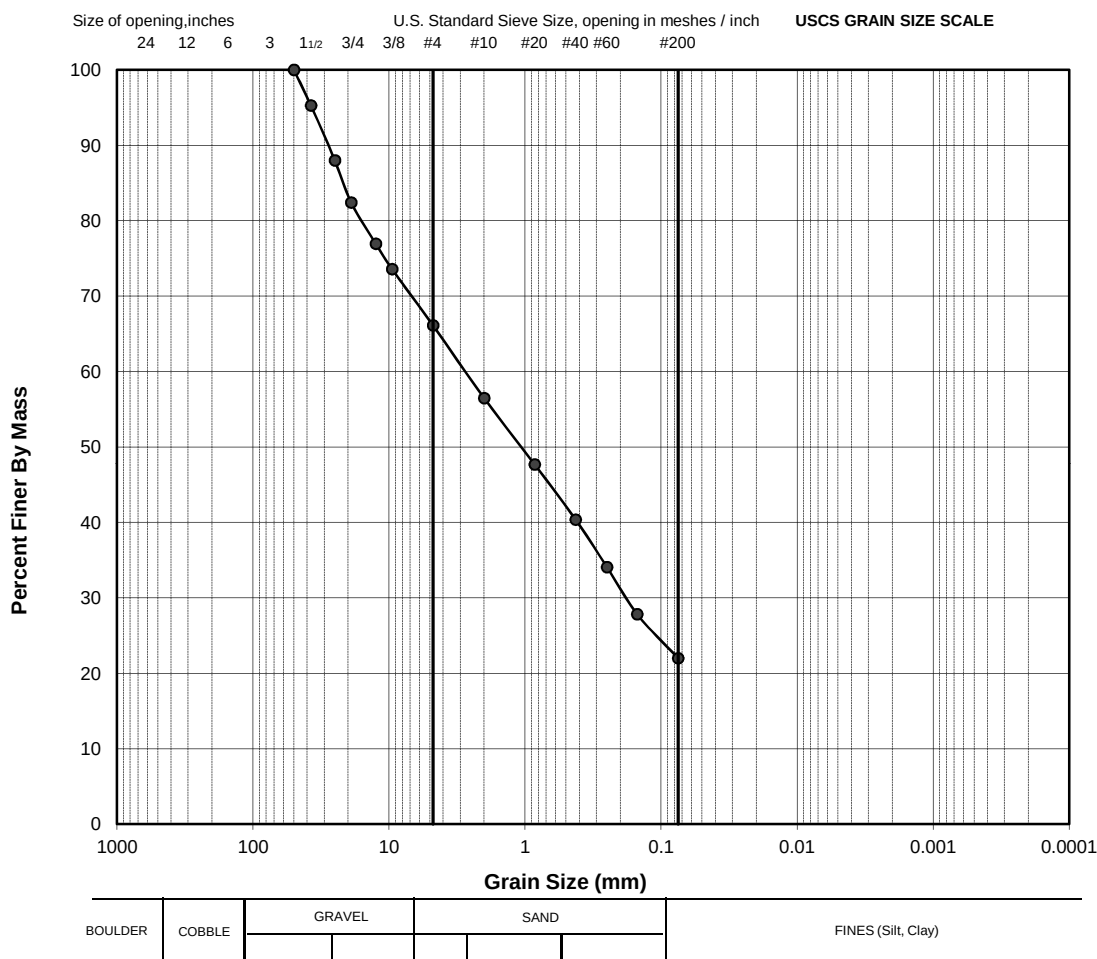
Material Specification: Till borrow source

Native borrow material

Method: SPLIT, WASHED

Date Tested: August 17, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	95.3
1"	25.0	88.0
3/4"	19.0	82.4
1/2"	12.5	76.9
3/8"	9.5	73.6
#4	4.8	66.1
#10	2.0	56.5
#20	0.9	47.7
#40	0.4	40.4
#60	0.3	34.1
#100	0.2	27.8
#200	0.1	22.0



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

RB	August 17, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **2**
Client: AEM

Field Label: TSF-072509-02

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-2

Remarks: Water Content = 10.2%

Sampling Date: July 25, 2009

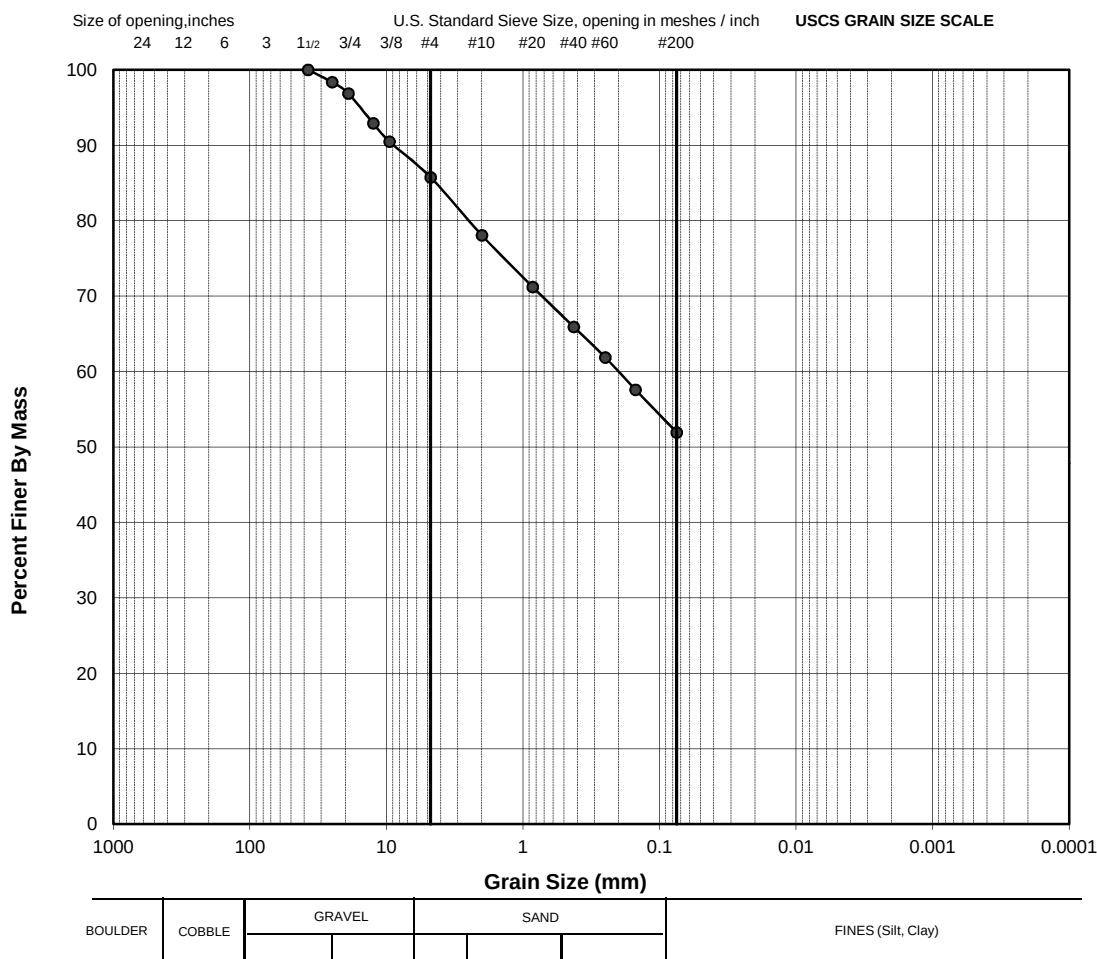
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 14, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	98.4
3/4"	19.0	96.9
1/2"	12.5	92.9
3/8"	9.5	90.5
#4	4.8	85.8
#10	2.0	78.1
#20	0.9	71.2
#40	0.4	65.9
#60	0.3	61.9
#100	0.2	57.6
#200	0.1	51.9



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RB	August 14, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **3**
Client: AEM

Field Label: TSF-072509-03

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-3

Remarks: Water Content = 8.7%

Sampling Date: July 25, 2009

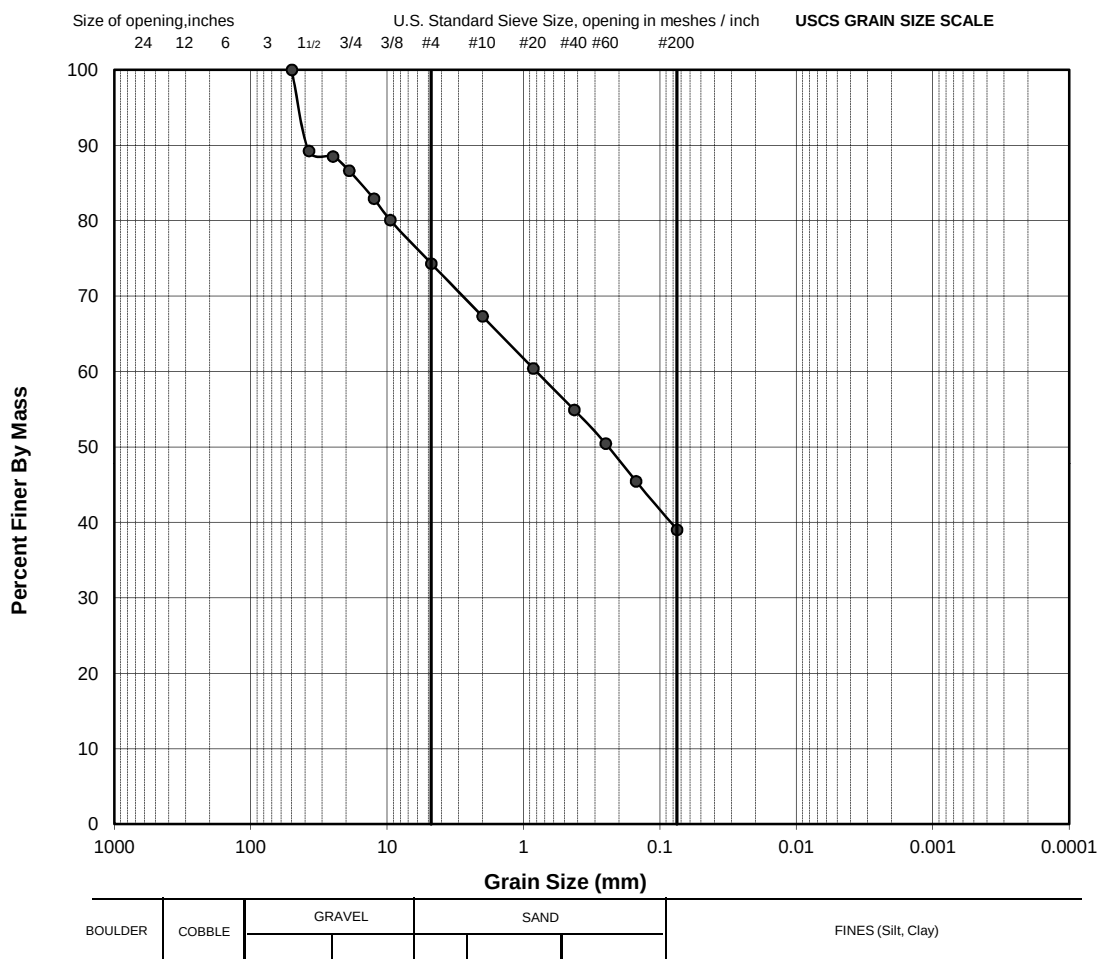
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 18, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	89.2
1"	25.0	88.5
3/4"	19.0	86.6
1/2"	12.5	82.9
3/8"	9.5	80.1
#4	4.8	74.3
#10	2.0	67.3
#20	0.9	60.4
#40	0.4	54.9
#60	0.3	50.5
#100	0.2	45.5
#200	0.1	39.0



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RB

August 18, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **4**
Client: AEM

Field Label: TSF-072509-04

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-4

Remarks: Water Content = 12.5%

Sampling Date: July 25, 2009

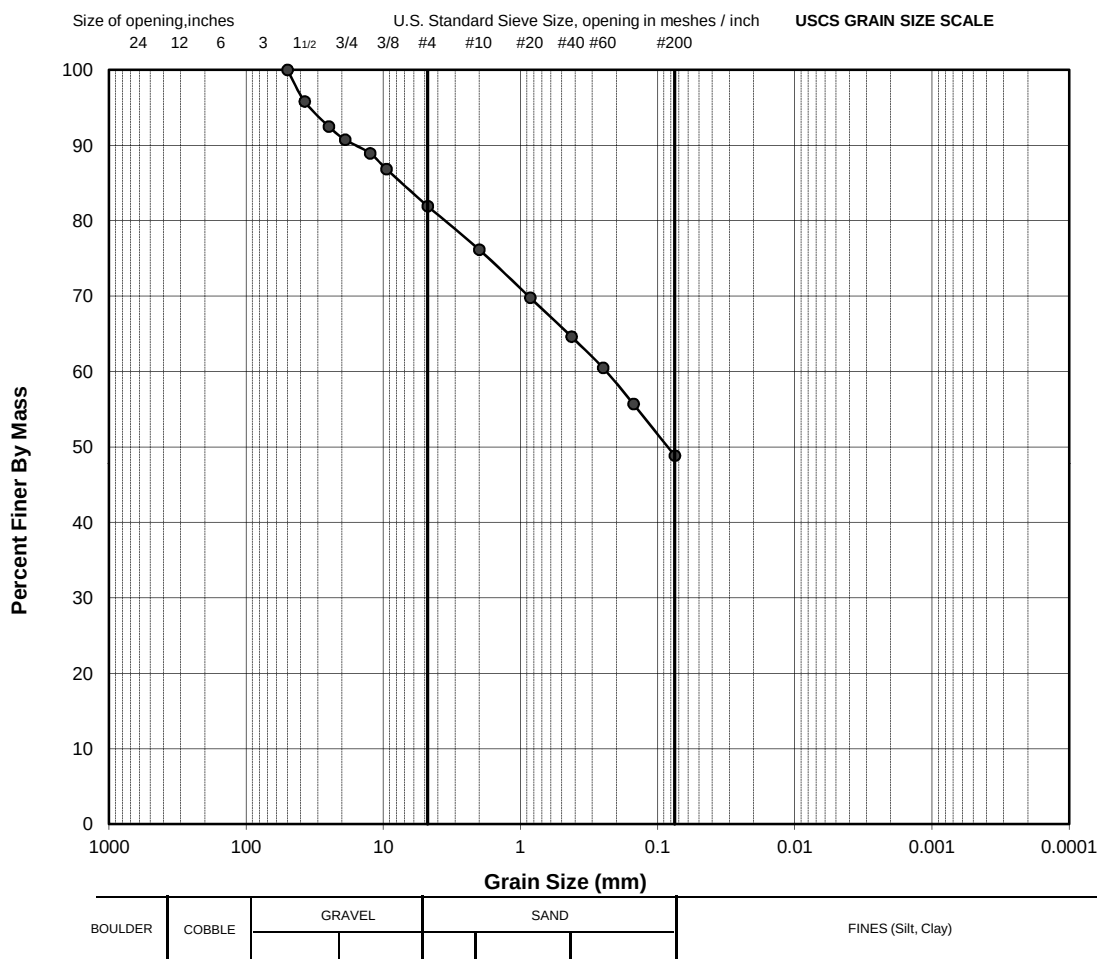
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 18, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	95.8
1"	25.0	92.5
3/4"	19.0	90.7
1/2"	12.5	88.9
3/8"	9.5	86.8
#4	4.8	81.9
#10	2.0	76.2
#20	0.9	69.8
#40	0.4	64.6
#60	0.3	60.5
#100	0.2	55.7
#200	0.1	48.9



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RB	August 18, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **5**
Client: AEM

Field Label: TSF-072609-01

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-5

Remarks: Water Content = 18.2%

Sampling Date: July 26, 2009

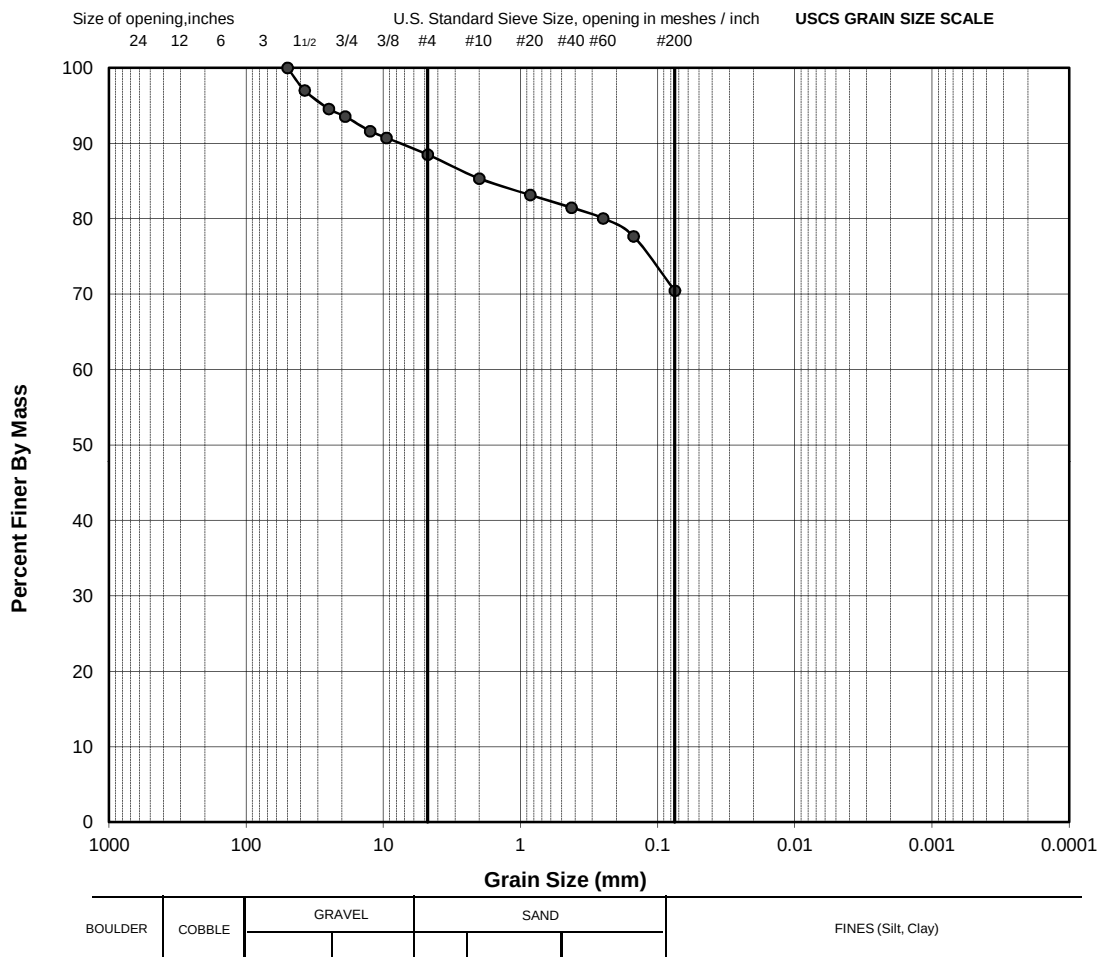
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 14, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	97.0
1"	25.0	94.5
3/4"	19.0	93.5
1/2"	12.5	91.6
3/8"	9.5	90.7
#4	4.8	88.5
#10	2.0	85.3
#20	0.9	83.1
#40	0.4	81.5
#60	0.3	80.0
#100	0.2	77.7
#200	0.1	70.5



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RB	August 14, 2009		
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PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **6**
Client: AEM

Field Label: TSF-072609-02

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-6

Remarks: Water Content = 12.5%

Sampling Date: July 26, 2009

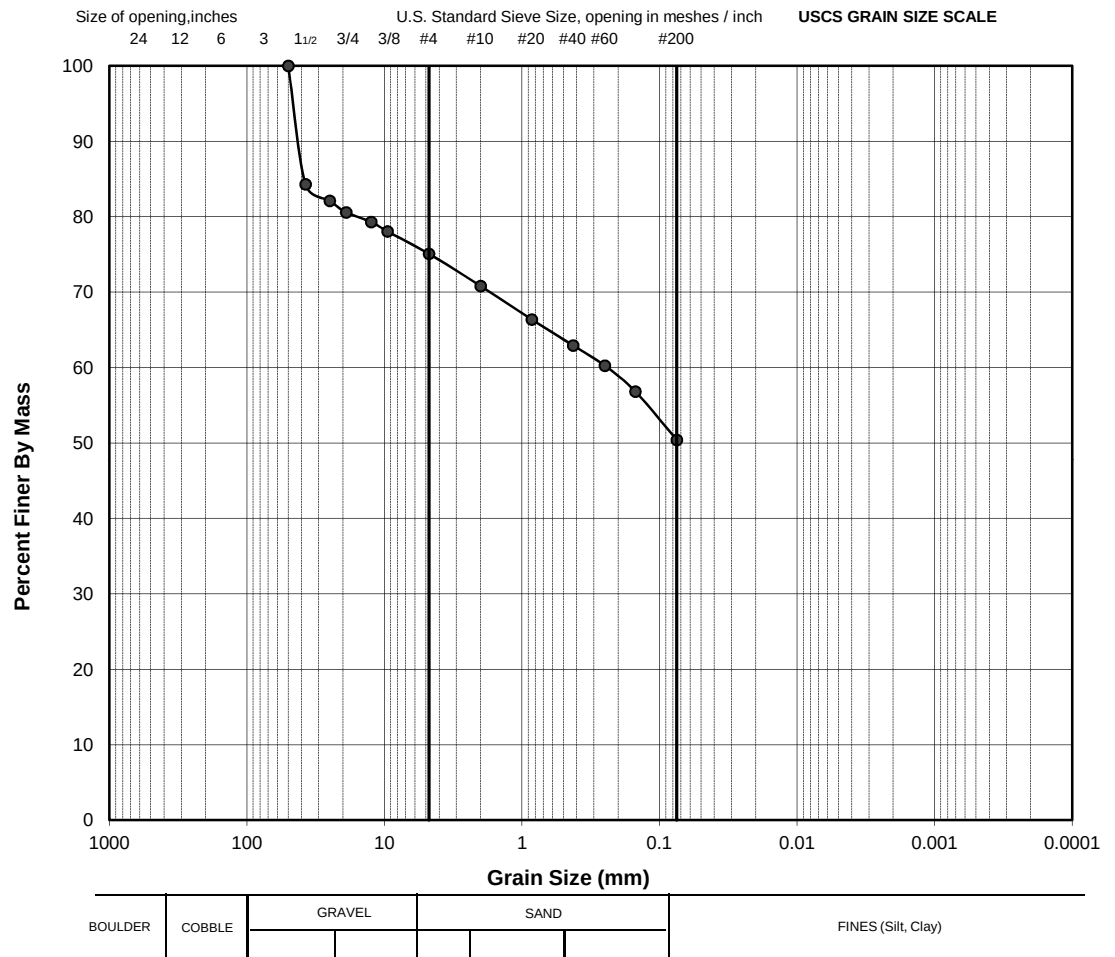
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 17, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	84.3
1"	25.0	82.1
3/4"	19.0	80.6
1/2"	12.5	79.3
3/8"	9.5	78.1
#4	4.8	75.1
#10	2.0	70.8
#20	0.9	66.4
#40	0.4	62.9
#60	0.3	60.3
#100	0.2	56.8
#200	0.1	50.4



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PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **7**
Client: AEM

Field Label: TSF-072709-01

Project: Meadowbank Gold Mine

Depth (m): NA

Location: Nunavut

Lab ID No: SA-7

Remarks: Water Content = 7.7%

Sampling Date: July 27, 2009

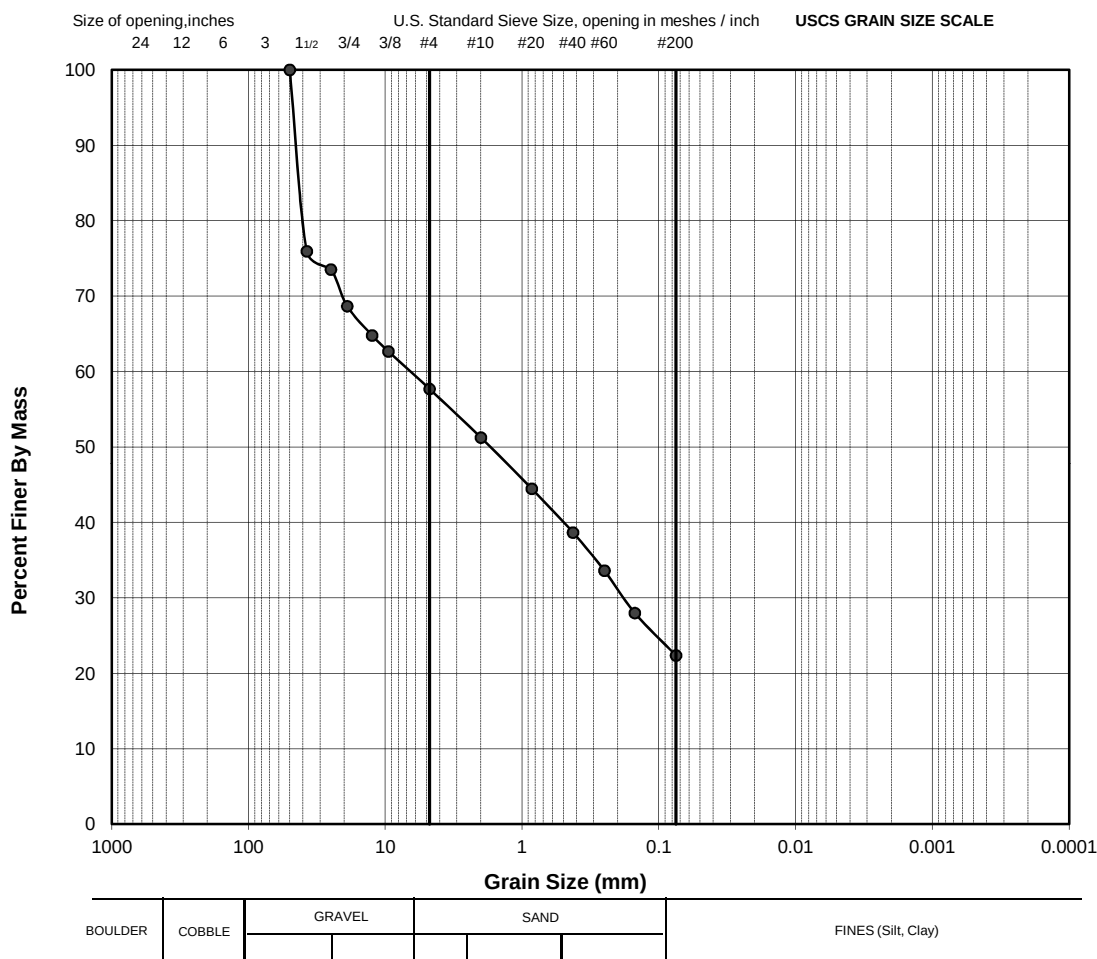
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 13, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	75.9
1"	25.0	73.5
3/4"	19.0	68.7
1/2"	12.5	64.8
3/8"	9.5	62.7
#4	4.8	57.7
#10	2.0	51.2
#20	0.9	44.5
#40	0.4	38.7
#60	0.3	33.6
#100	0.2	28.0
#200	0.1	22.4



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

RB	August 13, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 07-1428-0028

Sample No.: **8**
Client: AEM

Field Label: TSF-072709-02

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-8

Remarks: Water Content = 9.1%

Sampling Date: July 27, 2009

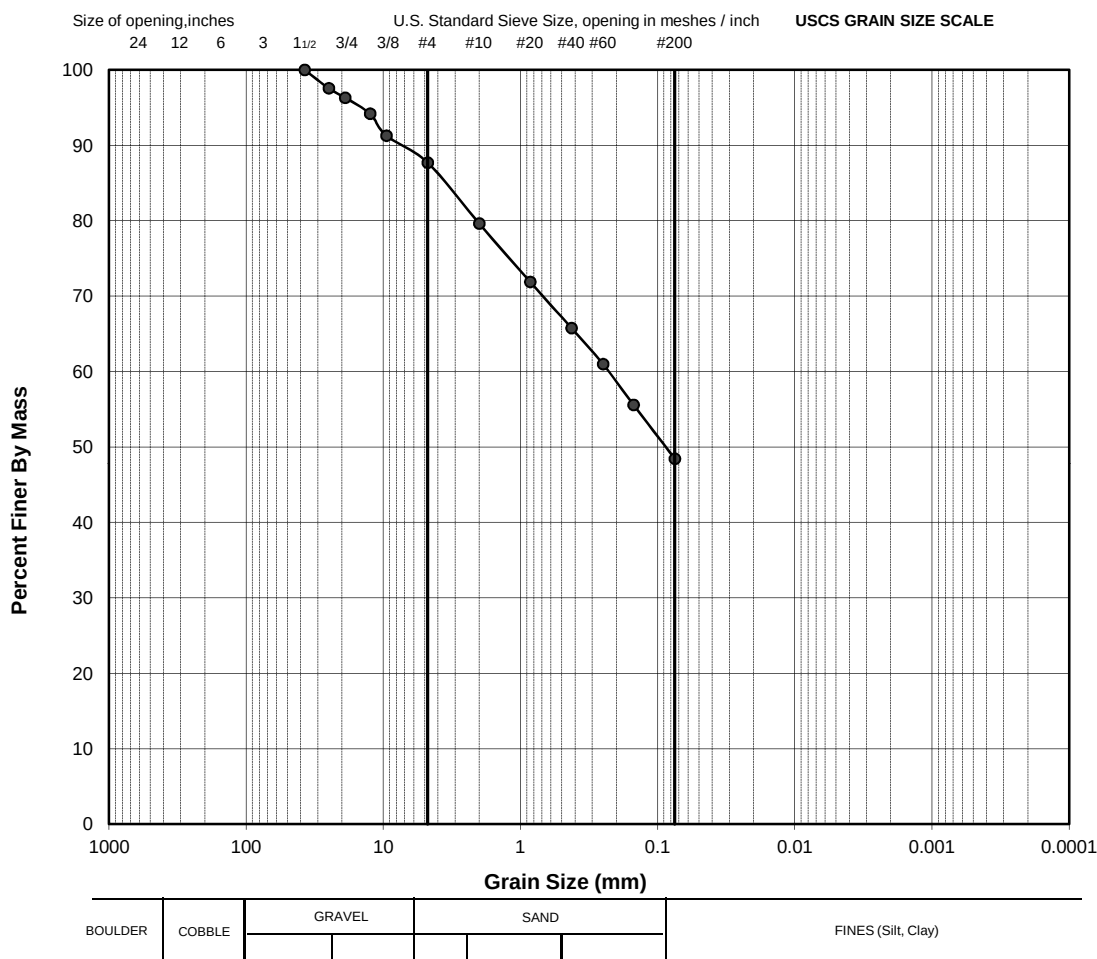
Sa. Location: SWD Native borrow material

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 13, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	97.6
3/4"	19.0	96.3
1/2"	12.5	94.2
3/8"	9.5	91.3
#4	4.8	87.7
#10	2.0	79.6
#20	0.9	71.9
#40	0.4	65.8
#60	0.3	61.0
#100	0.2	55.6
#200	0.1	48.4



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RB	August 13, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Remarks: Water Content = 8.4%

Sa. Location: SWD Native borrow material

Sample No.: **9**
Field Label: TSF-072809-01

Depth (m): NA

Lab ID No: SA-9

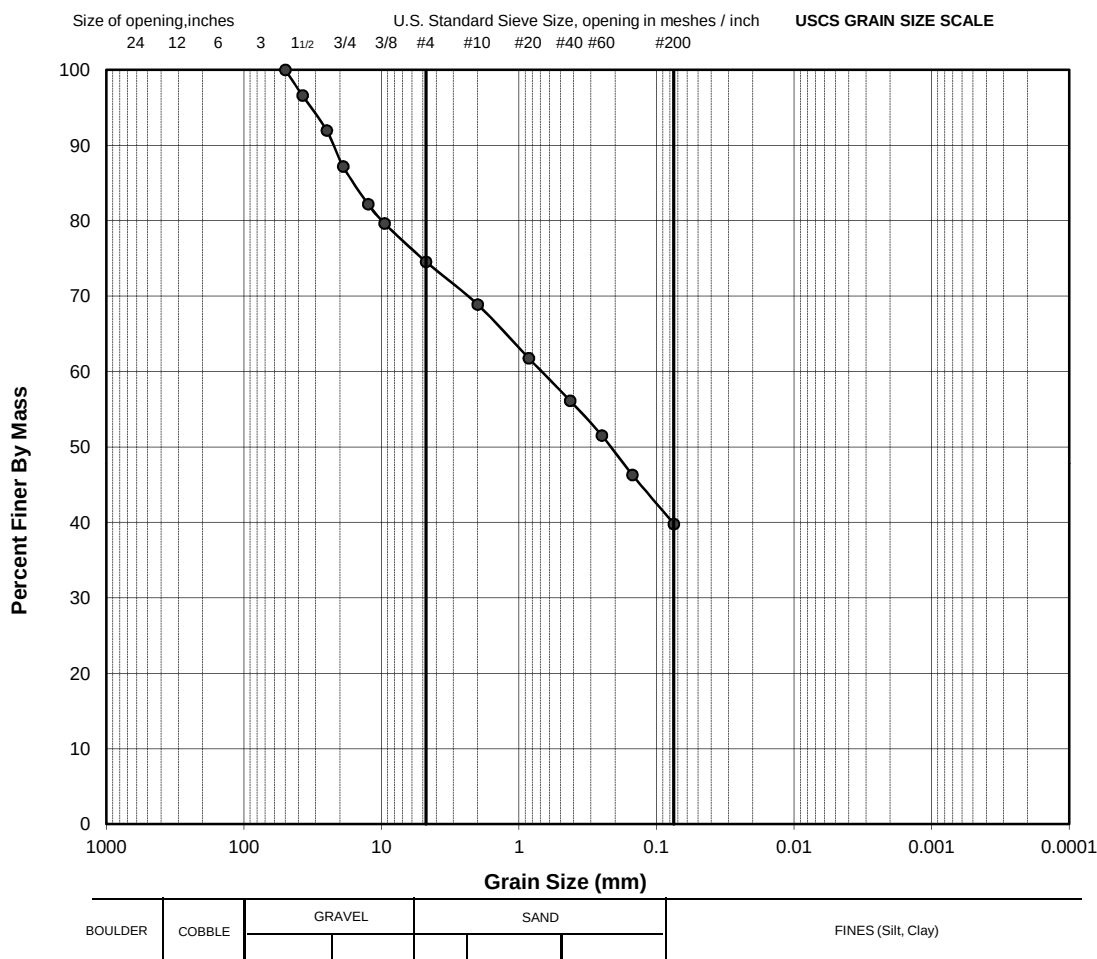
Sampling Date: July 28, 2009

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 16, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	96.6
1"	25.0	92.0
3/4"	19.0	87.2
1/2"	12.5	82.2
3/8"	9.5	79.7
#4	4.8	74.6
#10	2.0	68.9
#20	0.9	61.8
#40	0.4	56.1
#60	0.3	51.5
#100	0.2	46.3
#200	0.1	39.8



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RB	August 16, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Remarks: Water Content = 6.8%

Sa. Location: SWD, Till stockpile north of east abutment

Sample No.: **10**
Field Label: TSF-072809-02

Depth (m): NA

Lab ID No: SA-10

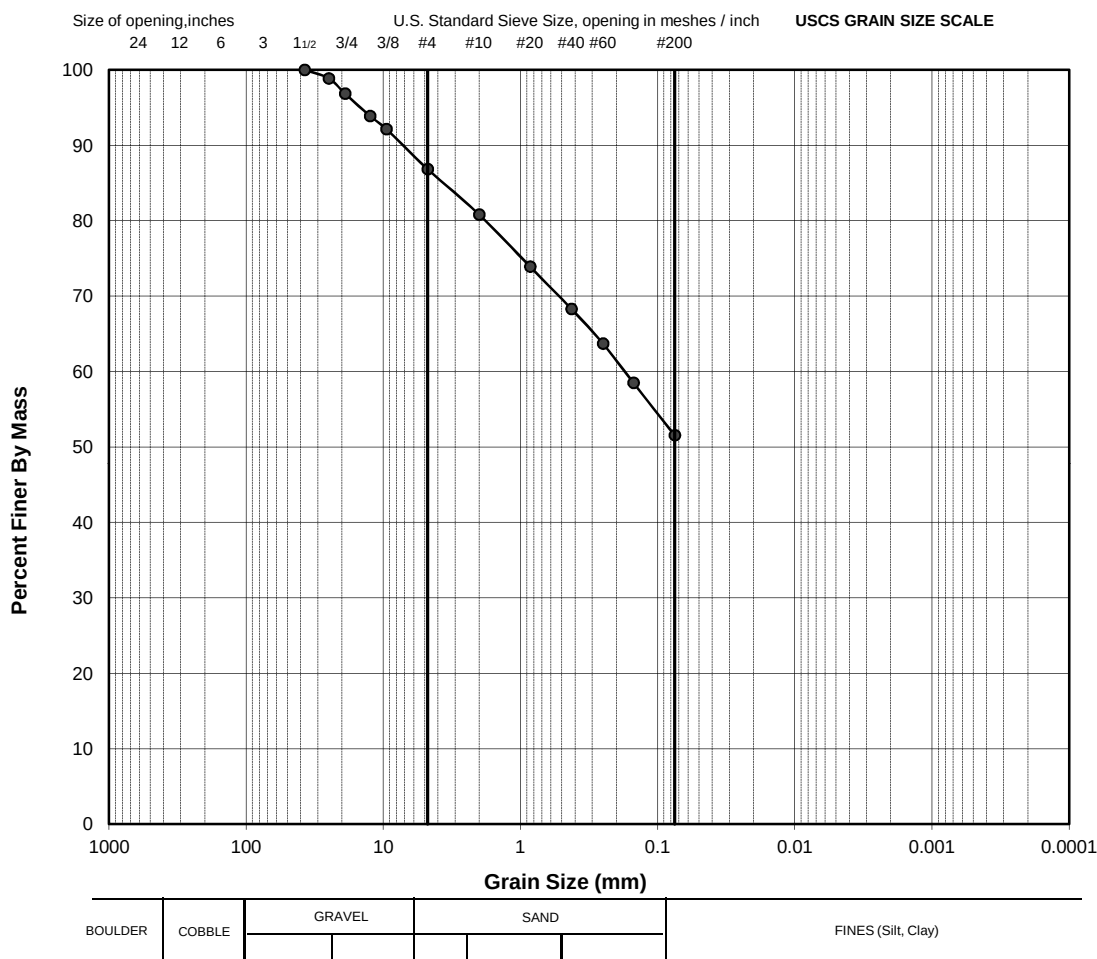
Sampling Date: July 28, 2009

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 17, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	98.9
3/4"	19.0	96.9
1/2"	12.5	93.9
3/8"	9.5	92.2
#4	4.8	86.8
#10	2.0	80.8
#20	0.9	73.9
#40	0.4	68.3
#60	0.3	63.7
#100	0.2	58.5
#200	0.1	51.6



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RB

August 17, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **11**
Field Label: TSF-072909-01

Depth (m): NA

Lab ID No: SA-11

Remarks: Water Content = 9.0%

Sa. Location: SWD Native borrow material, downstream side

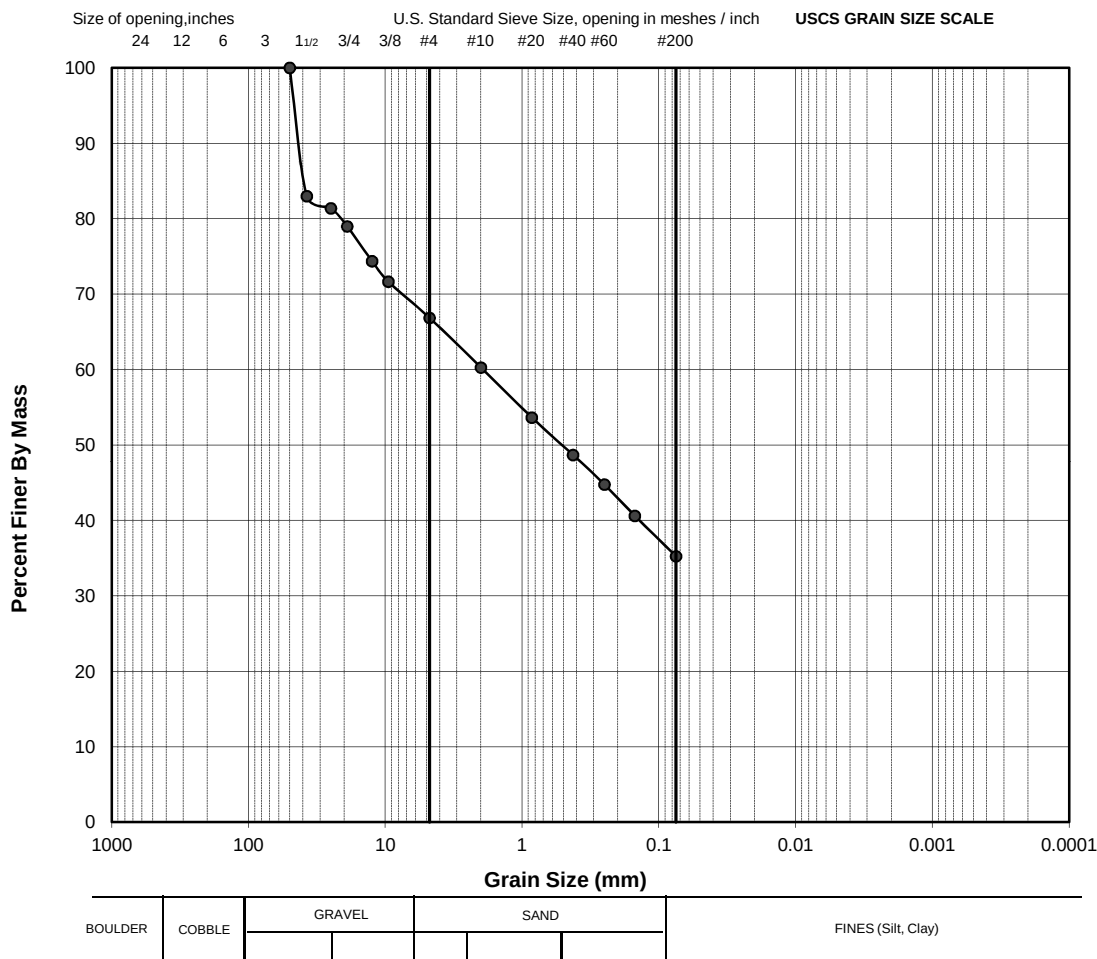
Sampling Date: July 29, 2009

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 16, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	83.0
1"	25.0	81.4
3/4"	19.0	79.0
1/2"	12.5	74.4
3/8"	9.5	71.6
#4	4.8	66.8
#10	2.0	60.3
#20	0.9	53.6
#40	0.4	48.7
#60	0.3	44.8
#100	0.2	40.6
#200	0.1	35.2



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

RB

August 16, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Mine

Location: Nunavut

Sample No.: **12**
Field Label.: TSF-073009-01

Depth (m): NA

Lab ID No: SA-12

Remarks: Water content = 14.0%

Sa. Location: SWD Native borrow material, downstream side

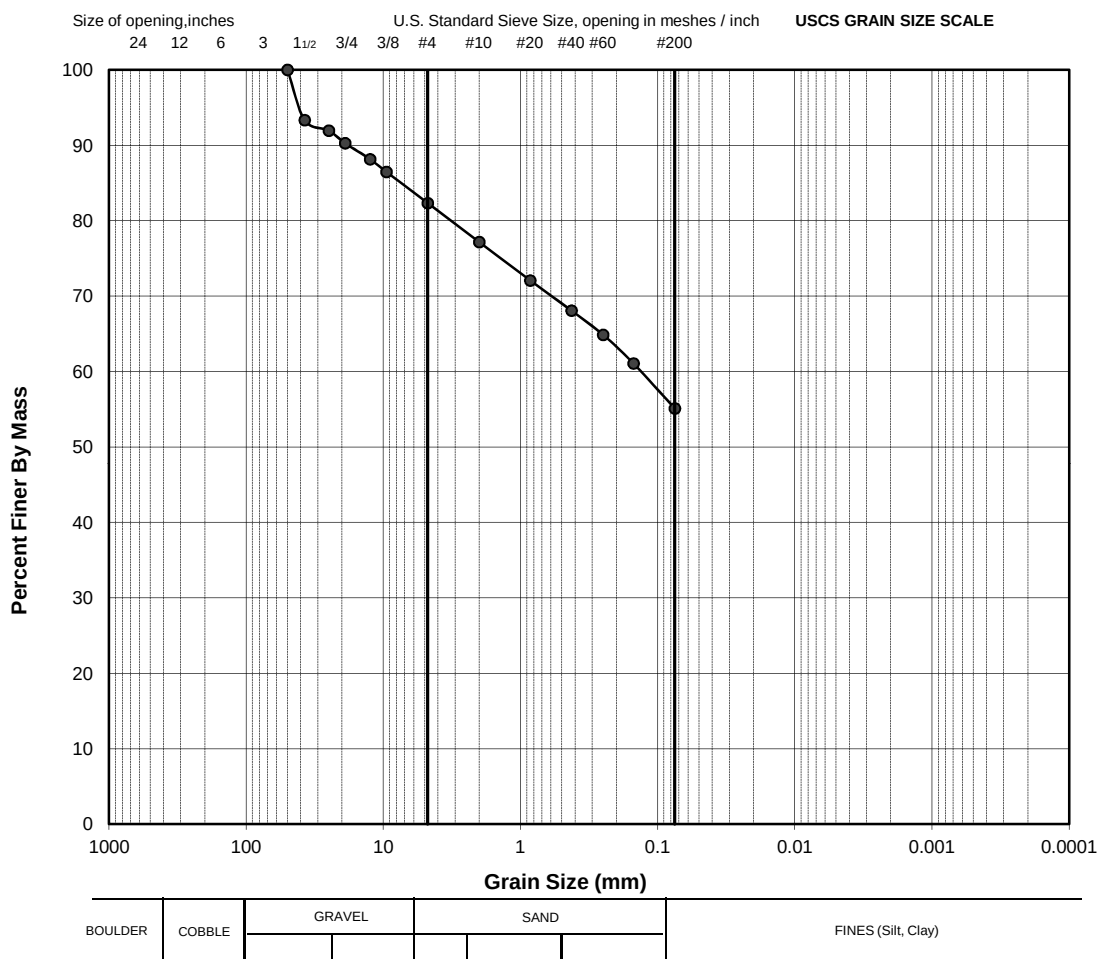
Sampling Date: July 30, 2009

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 15, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	93.3
1"	25.0	91.9
3/4"	19.0	90.3
1/2"	12.5	88.1
3/8"	9.5	86.5
#4	4.8	82.3
#10	2.0	77.2
#20	0.9	72.1
#40	0.4	68.1
#60	0.3	64.9
#100	0.2	61.1
#200	0.1	55.1



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

RB

August 15, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Borehole: **13**
Sample No.: TSF-080209-01

Depth (m): NA

Lab ID No: SA-13

Remarks: Water content = 9.8%

Sampling Date: August 2, 2009

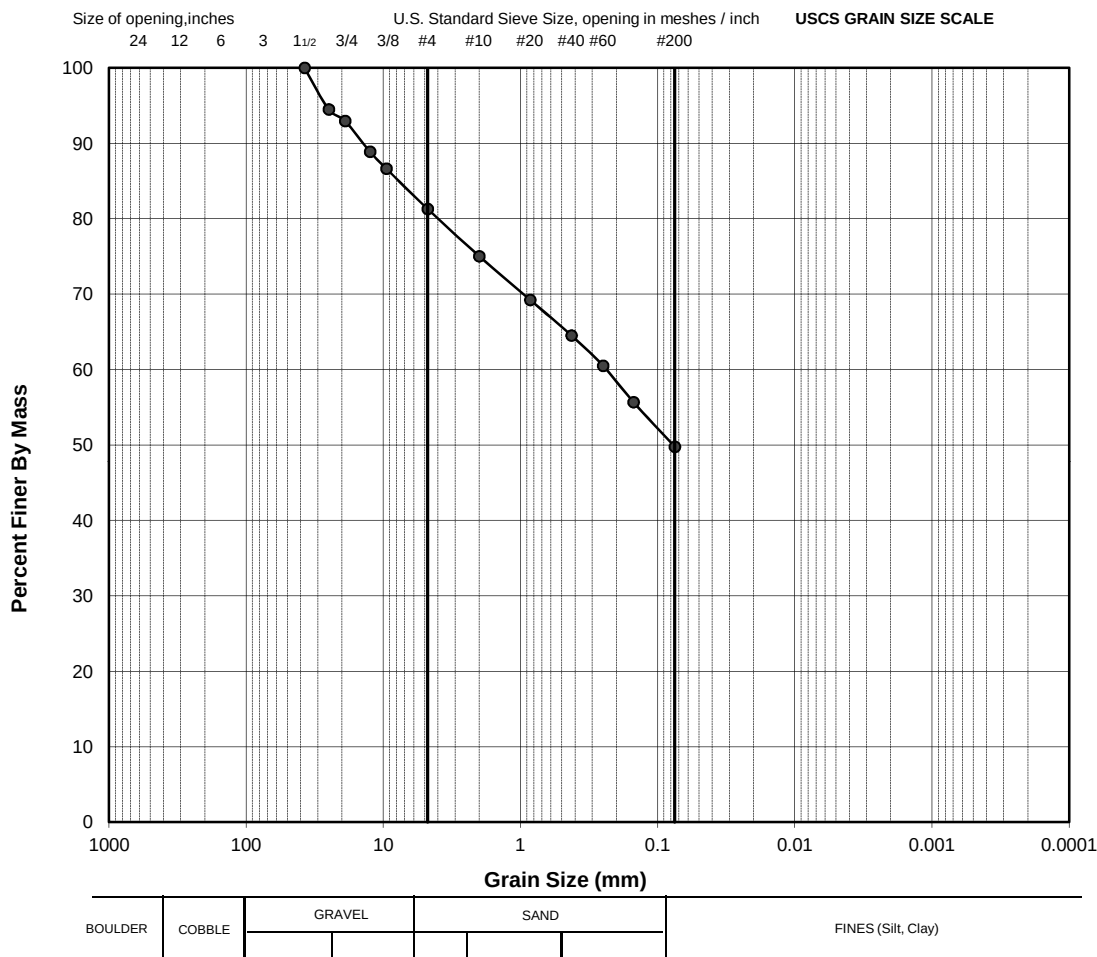
Sa. Location: SWD Sta. 30+800 Native borrow material
toe of downstream side

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 12, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	94.5
3/4"	19.0	93.0
1/2"	12.5	88.9
3/8"	9.5	86.6
#4	4.8	81.3
#10	2.0	75.0
#20	0.9	69.2
#40	0.4	64.5
#60	0.3	60.5
#100	0.2	55.7
#200	0.1	49.8



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

RB

August 12, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **14**
Client: AEM

Field Label: TSF-072809-03

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA-14

Remarks: Water content = 9.1%

Sampling Date: July 28, 2009

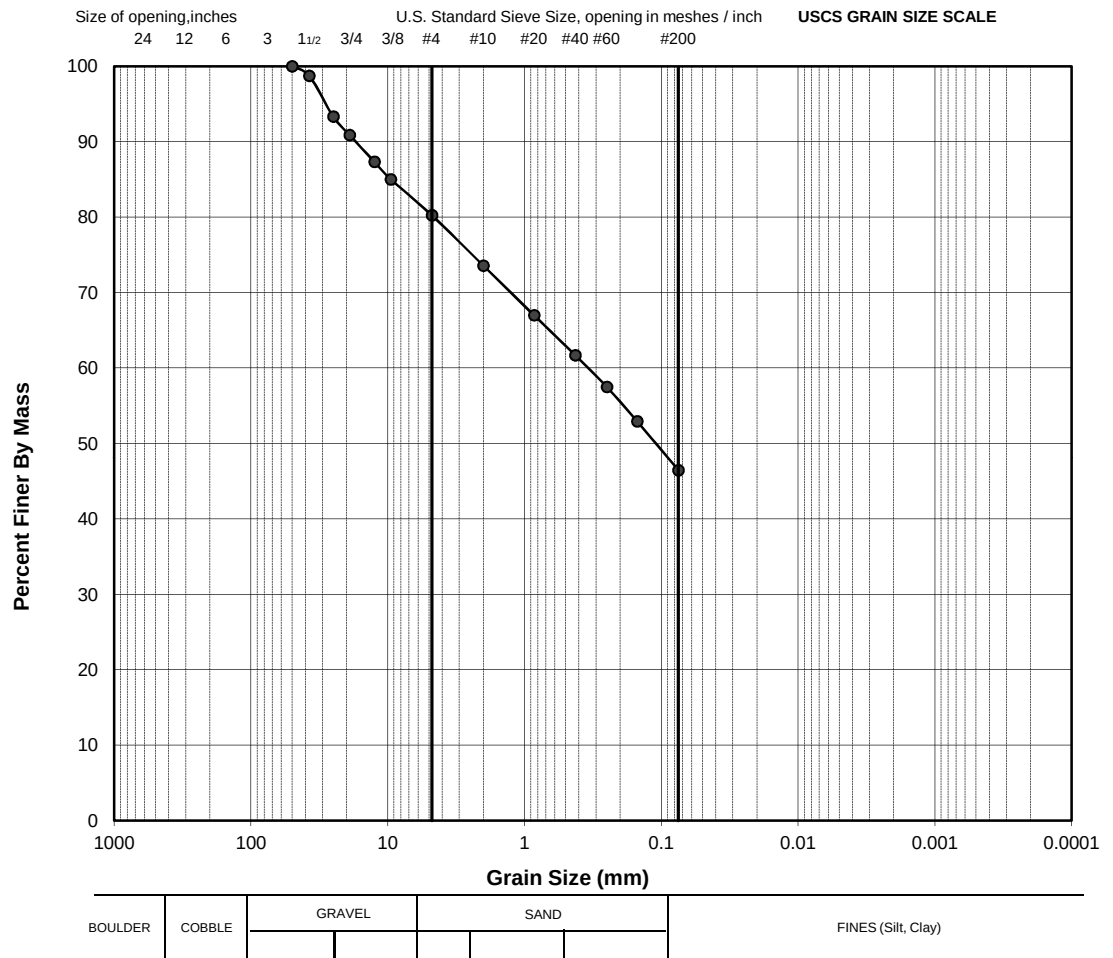
Sa. Location: SWD Native borrow material, tie-in trench

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 20, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	98.7
1"	25.0	93.3
3/4"	19.0	90.9
1/2"	12.5	87.3
3/8"	9.5	85.0
#4	4.8	80.3
#10	2.0	73.6
#20	0.9	67.0
#40	0.4	61.7
#60	0.3	57.5
#100	0.2	52.9
#200	0.1	46.4



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

RB	August 20, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **15**
Field Label: TSF-072809-04

Depth (m): NA

Lab ID No: SA-15

Remarks: Water content = 9.8%

Sa. Location: SWD, Till stockpile north of east abutment

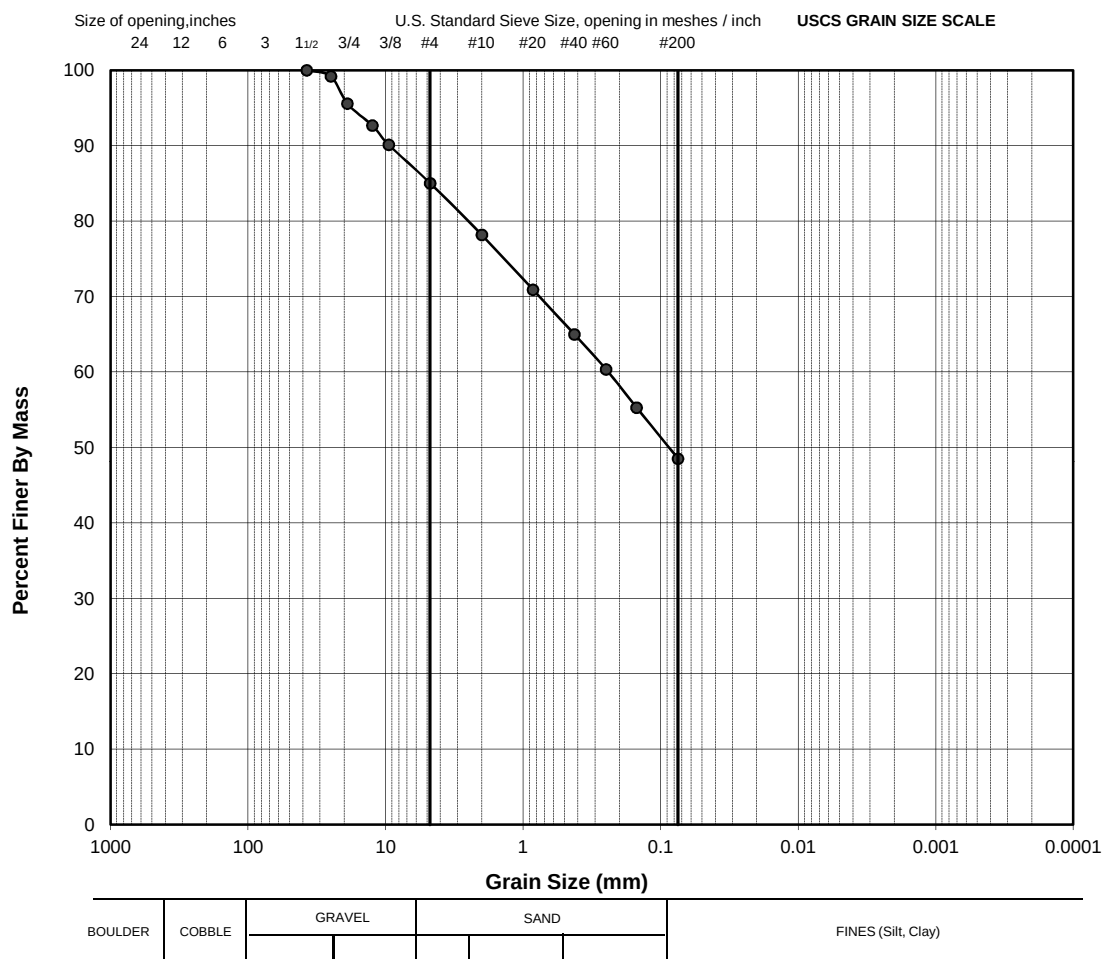
Sampling Date: July 28, 2009

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: August 20, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	99.2
3/4"	19.0	95.6
1/2"	12.5	92.7
3/8"	9.5	90.1
#4	4.8	85.0
#10	2.0	78.2
#20	0.9	70.9
#40	0.4	65.0
#60	0.3	60.3
#100	0.2	55.3
#200	0.1	48.5



* The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.

RB	August 20, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **35**
Field Label: TSF090609-02

Depth (m): NA

Lab ID No: SA35

Remarks: Water Content = 10.1%

Sa. Location: SWD, Till stockpile north of east abutment

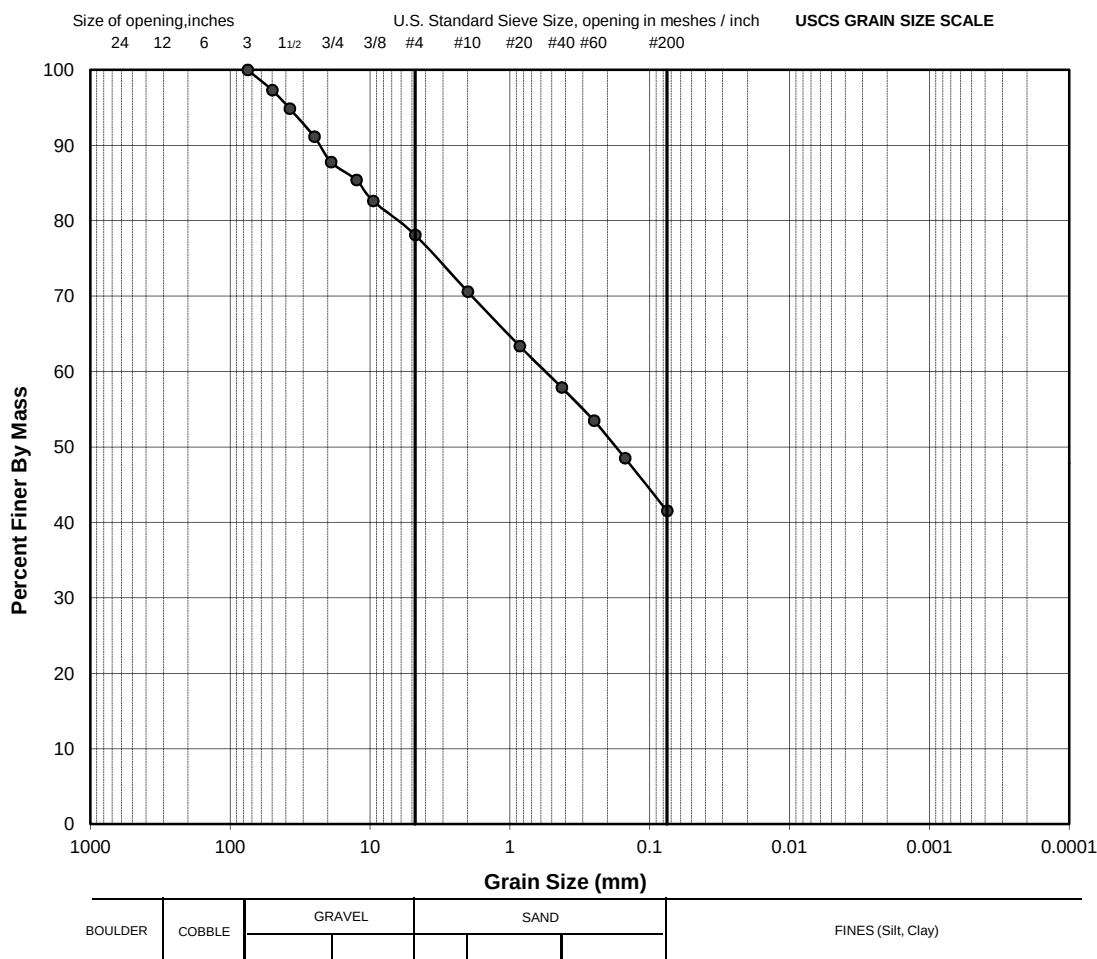
Date Sampled: September 6, 2009

Material Specification: Till borrow source

Method: SPLIT, WASHED

Date Tested: September 8, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	97.3
1.5"	37.5	94.9
1"	25.0	91.2
3/4"	19.0	87.8
1/2"	12.5	85.4
3/8"	9.5	82.6
#4	4.8	78.1
#10	2.0	70.6
#20	0.9	63.4
#40	0.4	57.9
#60	0.3	53.5
#100	0.2	48.5
#200	0.1	41.6



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

DE

September 8, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **36**
Field Label: TSF090609-03

Depth (m): NA

Lab ID No: SA36

Remarks: Water Content = 9.9%

Date Sampled: September 6, 2009

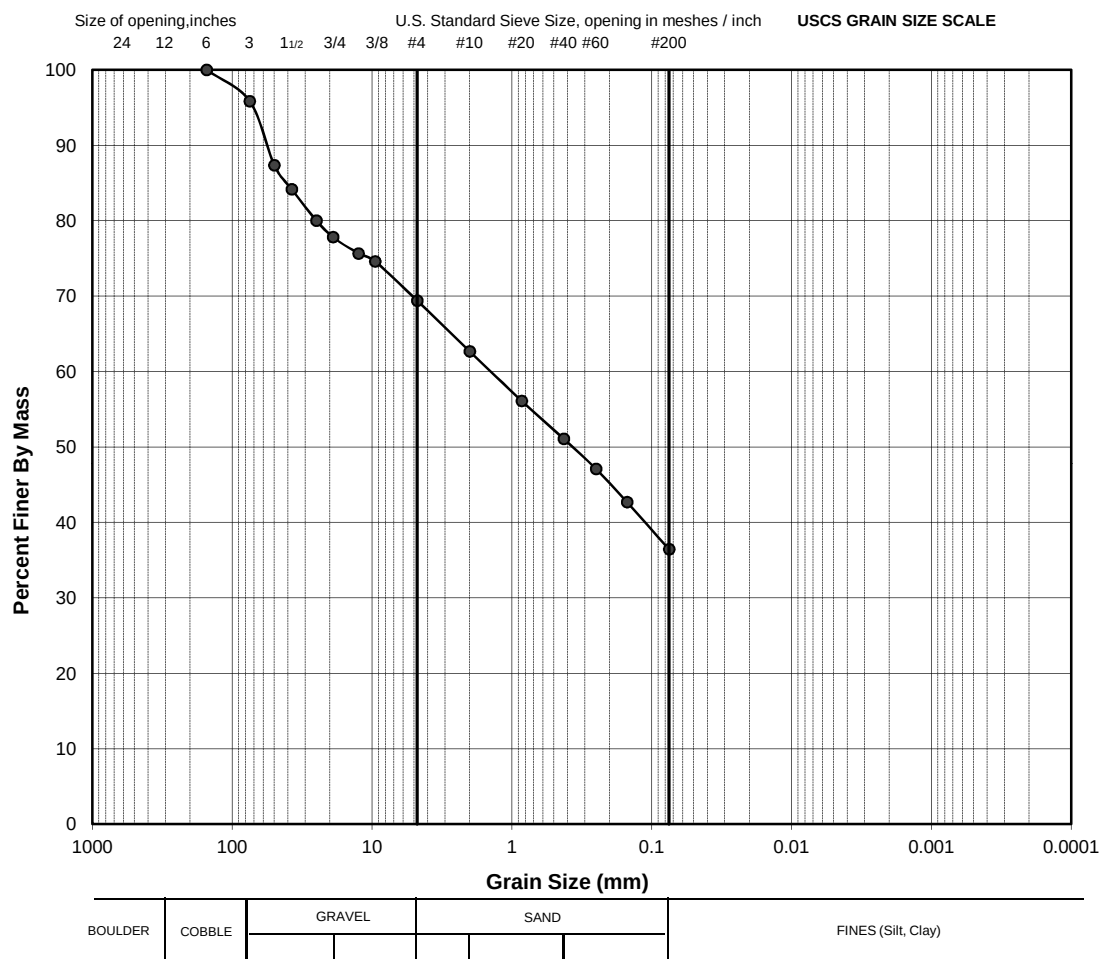
Sa. Location: SWD, Till in place Sta. 10+900 at tie-in trench
toe of fine filter

Material Specification: Till borrow

Method: SPLIT, WASHED

Date Tested: September 8, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	95.8
2"	50.0	87.4
1.5"	37.5	84.2
1"	25.0	80.0
3/4"	19.0	77.8
1/2"	12.5	75.7
3/8"	9.5	74.6
#4	4.8	69.4
#10	2.0	62.7
#20	0.9	56.1
#40	0.4	51.1
#60	0.3	47.1
#100	0.2	42.7
#200	0.1	36.5



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

DE	September 8, 2009		
TESTED BY	DATE	CHECKED BY	DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 08-1428-0029

Sample No.: **37**
Client: AEM

Field Label: TSF090609-04

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA37

Remarks: Water Content = 10.4%

Date Sampled: September 6, 2009

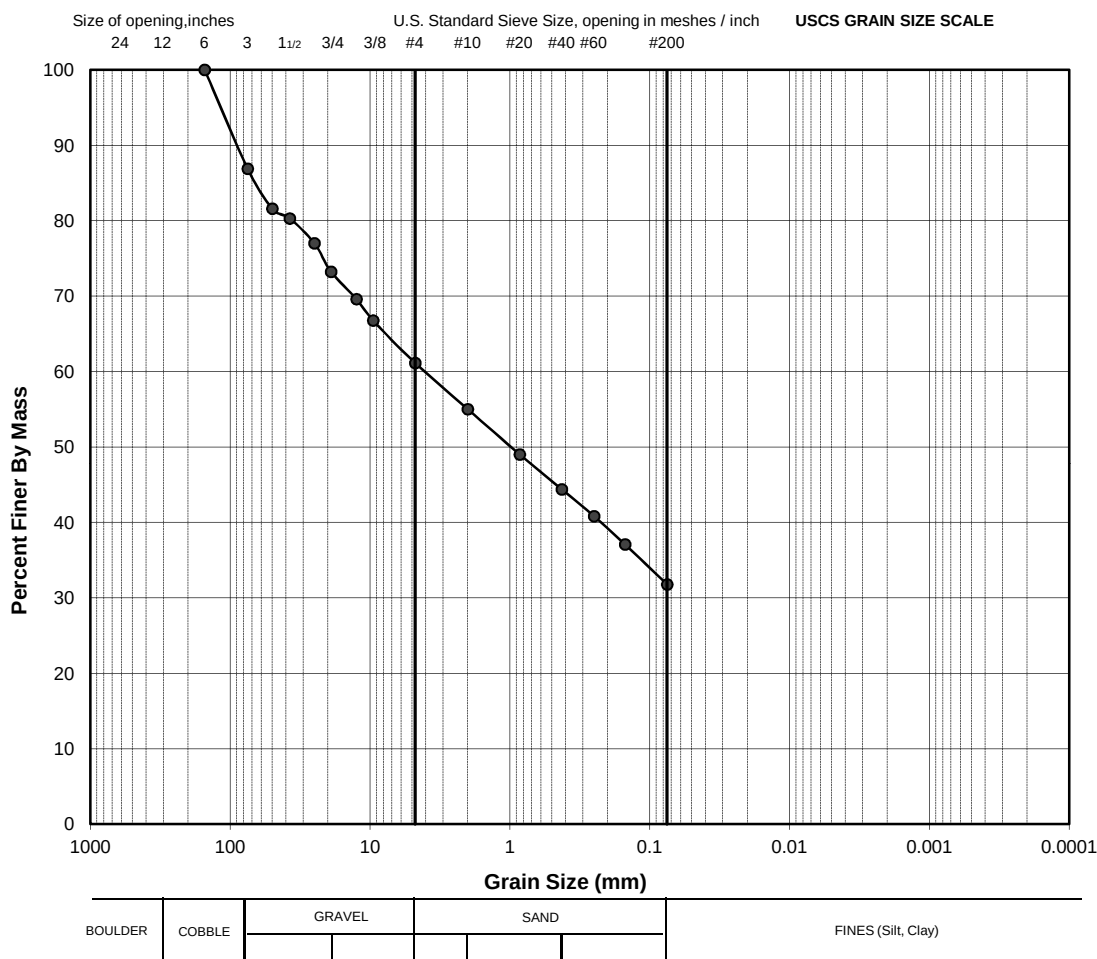
Sa. Location: SWD, Till in place Sta. 10+470 at tie-in trench
toe of fine filter

Material Specification: Till borrow

Method: SPLIT, WASHED

Date Tested: September 8, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	86.9
2"	50.0	81.6
1.5"	37.5	80.3
1"	25.0	77.0
3/4"	19.0	73.2
1/2"	12.5	69.6
3/8"	9.5	66.8
#4	4.8	61.1
#10	2.0	55.0
#20	0.9	49.0
#40	0.4	44.4
#60	0.3	40.8
#100	0.2	37.1
#200	0.1	31.8



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

DE

September 8, 2009

TESTED BY

DATE

CHECKED BY

DATE