

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell Highway		SOURCE/TP#: 884-5434				
Midnight Sun Drilling		Simpson Creek,		PROJECT NO: 552-202104-2035-0661-5				
ODEX		Coordinates: Z09V N6723380m E489295m		ELEVATION: m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100		★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0      20      40      60      80      100		0      20      40      60      80      100					
▼	●		★ ■ ◆		01 SW-SM		WELL-GRADED SAND with SILT and GRAVEL -Dark brown, loose, damp, rounded/subrounded  -Wet	▼
			★ ■ ◆		02	2	Organic Silt with sand -No return on SPT -Dark grey, saturated, liquefiable -Organic odour	1
	●		★ ■ ◆		03 SP-SM		POORLY GRADED SAND with SILT and GRAVEL -Dark grey, saturated, very loose	2
	● ●		★ ■ ◆ ★		04 ML		SILT	3
	● ●		★ ■ ◆ ★		05 ML	11	-Dark grey, compact, no organic odour SILT with SAND -Dark grey, compact, saturated -No organic odour	4
	● ●		★ ■ ◆ ★		06 ML			5
	● ●		★ ■ ◆ ★		07 ML	0	-Drill advances without hammer, heave occurring within casing (0.3m heave for 1.5m run) -Very soft material	6
			★ ■ ◆		08	0	SILTY SAND -Very disturbed -Casing sinks under own weight, drilling 3m runs until conditions improve	7
	●		★ ■ ◆		09 SM			8
			★ ■ ◆		10 SM		SILT with SAND	9
	●		★ ■ ◆					10



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SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED		<input type="checkbox"/> DCPT			
		<input type="checkbox"/> AUGER		<input type="checkbox"/> BULK			
		<input checked="" type="checkbox"/> SPT		<input type="checkbox"/> CORE			
ELEV. (m)		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
						SILT with SAND	
			10	SM			12
						SANDY SILT -Some hammering	13
			11	ML			14
							15
							16
			12	ML			17
							18
							19
			13	ML			20
							21
		Highways and Public Works Transportation Engineering Branch		LOGGED BY: K.Elmer		Termination Depth: 23.8m	
				COMPILED BY: R.Stilwell		Complete: 6/12/2015 3:00:00 PM	
				REVIEWED BY: R.Stilwell		Pit #: Page 2 of 3	

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell Highway		SOURCE/TP#: 884-5434	
Midnight Sun Drilling		Simpson Creek,		PROJECT NO: 552-202104-2035-0661-5	
ODEX		Coordinates: Z09V N6723380m E489295m		ELEVATION: m	
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input checked="" type="checkbox"/> AUGER	<input type="checkbox"/> BULK
				<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE
ELEV. (m)		★ Percent Fines★		Sample Type	Sample #
		◆ Percent Sand◆			
		■ Percent Gravel■		SOIL SYMBOL	DCPT/SPT Blows/30cm
SOIL DESCRIPTION					Depth (m)
					23
				END of HOLE -Target depth reached	24
					25
					26
					27
					28
					29
					30
					31
					32
		Highways and Public Works Transportation Engineering Branch		LOGGED BY: K.Elmer	Termination Depth: 23.8m
				COMPILED BY: R.Stilwell	Complete: 6/12/2015 3:00:00 PM
				REVIEWED BY: R.Stilwell	Pit #: <span style="float: right;">Page 3 of 3</span>



SUBSURFACE EXPLORATION AND TEST REPORT		Campbell Highway		SOURCE/TP#: 884-5436				
Midnight Sun Drilling		Simpson Creek,		PROJECT NO: 552-202104-2035-0661-5				
ODEX		Coordinates: Z09V N6723409m E489294m		ELEVATION: m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100		★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■		SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0      20      40      60      80      100		0      20      40      60      80      100					
							SILT -Brown, firm, moist -Some plasticity	1
					24	ML	-Wet	2
					25	SM	5 SILTY SAND -Shale particles observed -No recovery on SPT	3
					26	SM		4
					27	ML	SILT with SAND -Grey	4
					28	ML	-Sand lense in bottom of shelby	5
					29	SM	8 SILTY SAND -Dark grey -Extra length for recovery -Very loose, saturated	6
					30	SM	1	7
							-Some silt, 0.3m heave	8
								9
								10



SAMPLE TYPE     UNDISTURBED     DCPT     AUGER     BULK     SPT     CORE

ELEV. (m)				Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0	20	40						
12	●	■	◆	★	31	ML	0	SILT -Spoon sinks under own weight	12
15	●	■	◆	★	32	ML	7	SILT with SAND -0.6m heave in casing -2m heave after SPT SILTY SAND	15
17	●	■	◆	★	33	SM			17
19	●	■	◆	★	34	SM			19
21					35	ML		SILT with SAND	21



SUBSURFACE EXPLORATION AND TEST REPORT Campbell Highway SOURCE/TP#: 884-5436

Midnight Sun Drilling Simpson Creek, PROJECT NO: 552-202104-2035-0661-5

ODEX Coordinates: Z09V N6723409m E489294m ELEVATION: m

SAMPLE TYPE  UNDISTURBED  DCPT  AUGER  BULK  SPT  CORE

ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>PLASTIC      M.C      LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="text-align: center;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Grave■</p> <p>0    20    40    60    80    100</p> </div> </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	●                      ■                      ◆                      ★						23
							24
							25
							26
							27
							28
							29
							30
							31
							32

SILT with SAND

END of HOLE  
-Target depth reached

SUBSURFACE EXPLORATION AND TEST REPORT		Campbell Highway		SOURCE/TP#: 884-5437				
Midnight Sun Drilling		Simpson Creek,		PROJECT NO: 552-202104-2035-0661-5				
ODEX		Coordinates: Z09V N6723433m E489287m		ELEVATION: m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>PLASTIC    M.C    LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="width: 45%;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Gravel■</p> <p>0    20    40    60    80    100</p> </div> </div>		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
						SILT with SAND -Brown, soft, damp	1	
				36	ML	-Moist -Wet -water raises to 0.9m	2	
				37	ML	3 -SANDY SILT -Grey, trace clay -Some hammering to advance drill -no clay	3	
				38	ML	0	4	
				39	ML	2 SILT -Extra length for recovery -0.9m heave in casing before SPT - non-representative	6	
				40	SM	2 SILTY SAND -2.5m heave in casing before SPT	7	
				41	SM	-Grey, saturated, very loose	8	
				42	SM		9	
						END OF HOLE -Target depth reached	10	



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Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723380m E489295m	ELEVATION: m

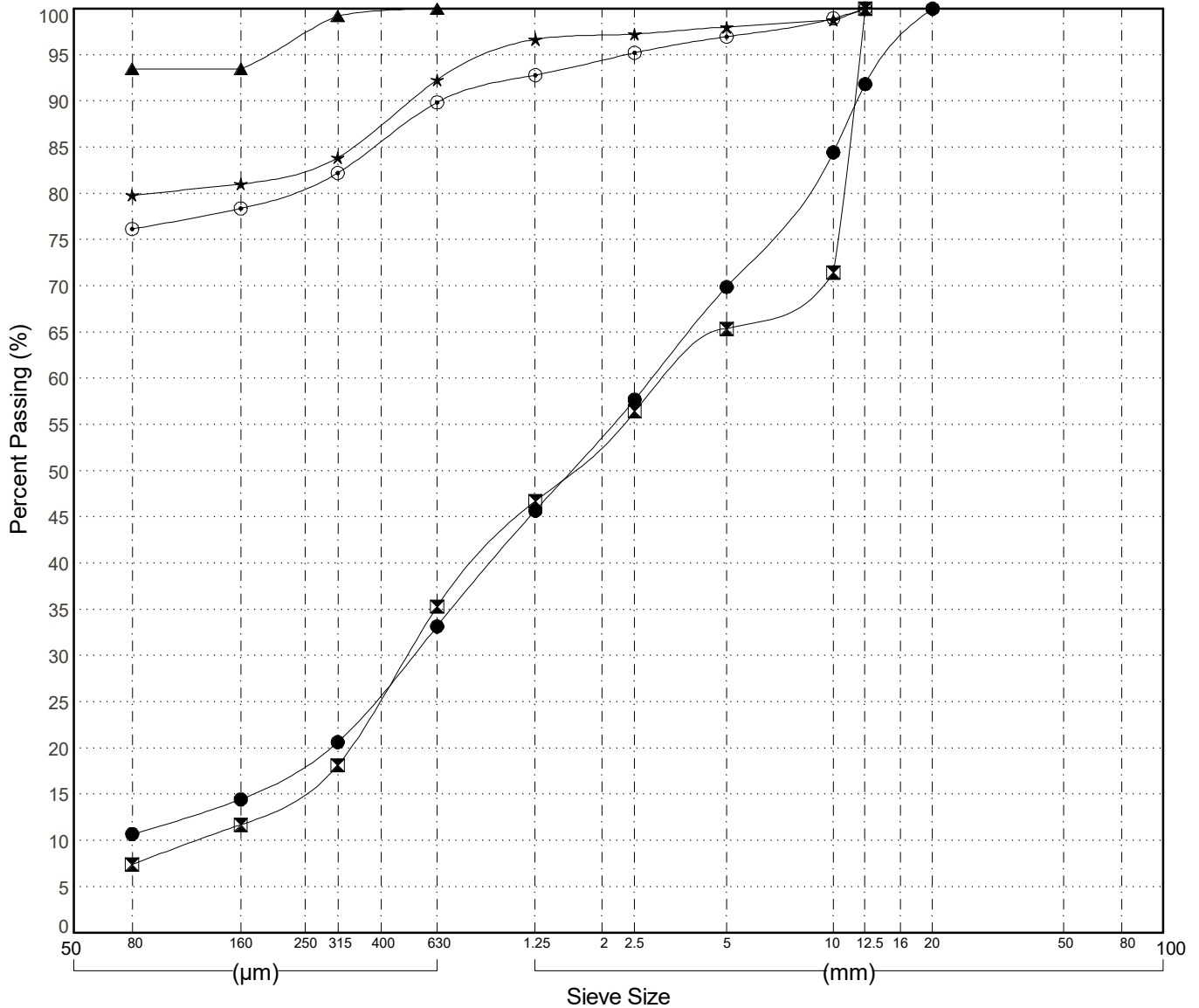
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Field#	Lab#	Depth	Classification	%H <sub>2</sub> O	LL	PL	PI	C <sub>c</sub>	C <sub>u</sub>
● 01	2016-715	0.0 to 1.5	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	5.1	NP	NP	NP	1.5	43.4
☒ 03	2016-717	3.1 to 3.7	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)	36.3	NP	NP	NP	0.7	27.3
▲ 04	2016-718	3.7 to 4.0	SILT(ML)	27.6	NP	NP	NP		
★ 05	2016-719	4.0 to	SILT with SAND(ML)	26.3	NP	NP	NP		
⊙ 06	2016-720	5.2 to 5.5	SILT with SAND(ML)	21.0	NP	NP	NP		

Field#	Lab#	%PASSING															%Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay	
● 01	2016-715	100.0	100.0	100.0	100.0	100.0	91.8	84.5	69.9	57.7	45.7	33.2	20.7	14.5	10.7	30.1	59.2	10.7		
☒ 03	2016-717	100.0	100.0	100.0	100.0	100.0	100.0	71.5	65.3	56.4	46.7	35.3	18.2	11.7	7.4	34.7	57.9	7.4		
▲ 04	2016-718	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	93.5	93.5	0.0	6.5	93.5		
★ 05	2016-719	100.0	100.0	100.0	100.0	100.0	100.0	98.8	98.0	97.2	96.7	92.3	83.9	81.0	79.8	2.0	18.2	79.8		
⊙ 06	2016-720	100.0	100.0	100.0	100.0	100.0	100.0	98.9	97.0	95.2	92.8	89.9	82.2	78.4	76.2	3.0	20.8	76.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723380m E489295m	ELEVATION: m

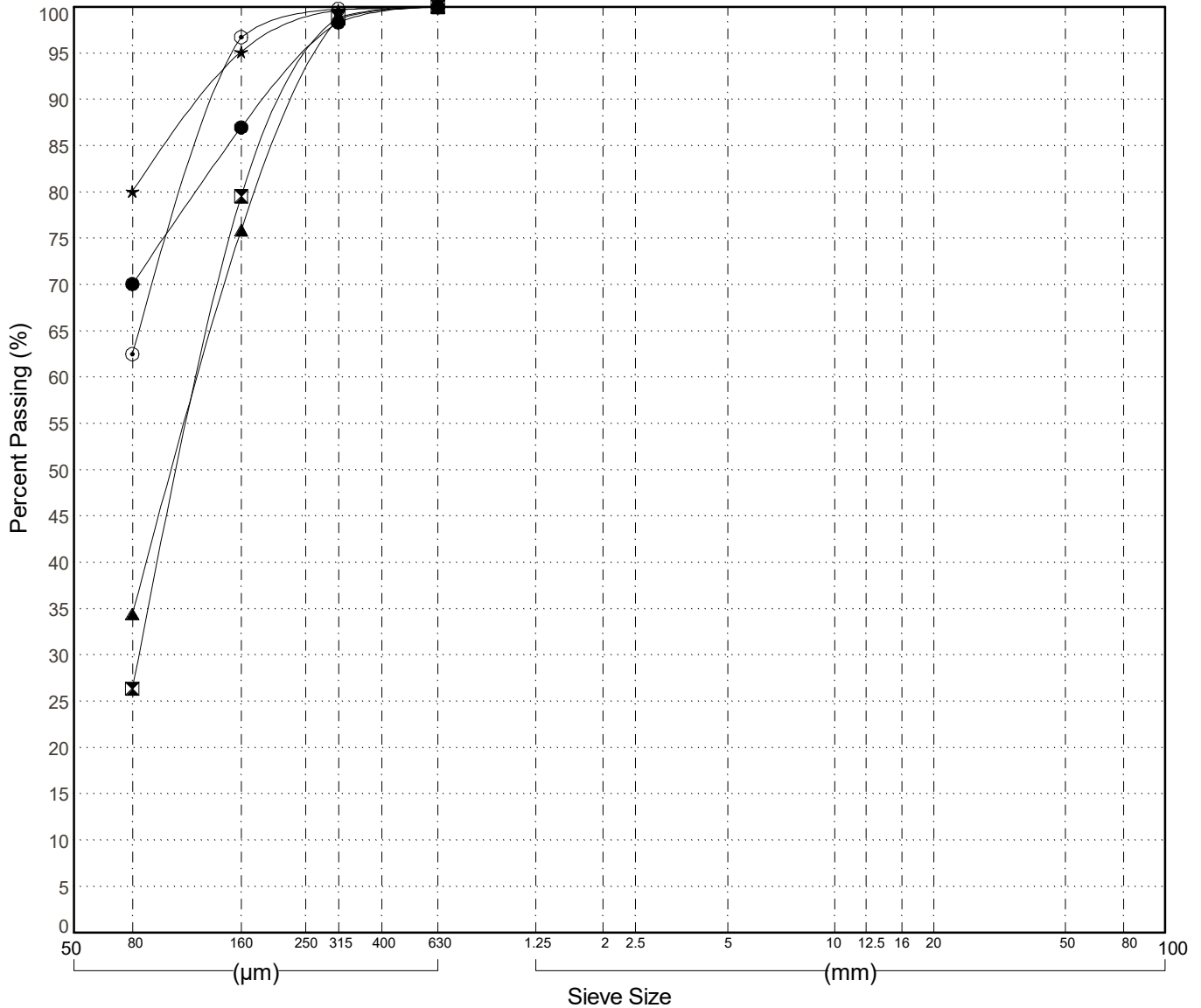
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Field#	Lab#	Depth	Classification	%H <sub>2</sub> O	LL	PL	PI	C <sub>c</sub>	C <sub>u</sub>
● 07	2016-721	5.5 to	SILT with SAND(ML)	25.3	NP	NP	NP		
☒ 09	2016-723	8.0 to 9.1	SILTY SAND(SM)	27.3	NP	NP	NP		
▲ 10	2016-724	9.1 to 12.2	SILTY SAND(SM)	24.8	NP	NP	NP		
★ 11	2016-725	12.2 to 15.2	SILT with SAND(ML)	20.0	NP	NP	NP		
⊙ 12	2016-726	15.2 to 18.9	SANDY SILT(ML)	26.1	NP	NP	NP		

Field#	Lab#	% PASSING															% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay	
● 07	2016-721	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.3	87.0	70.1	0.0	29.9	70.1		
☒ 09	2016-723	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	79.5	26.4	0.0	73.6	26.4		
▲ 10	2016-724	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	75.9	34.4	0.0	65.6	34.4		
★ 11	2016-725	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	95.1	80.1	0.0	19.9	80.1		
⊙ 12	2016-726	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	96.7	62.5	0.0	37.5	62.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

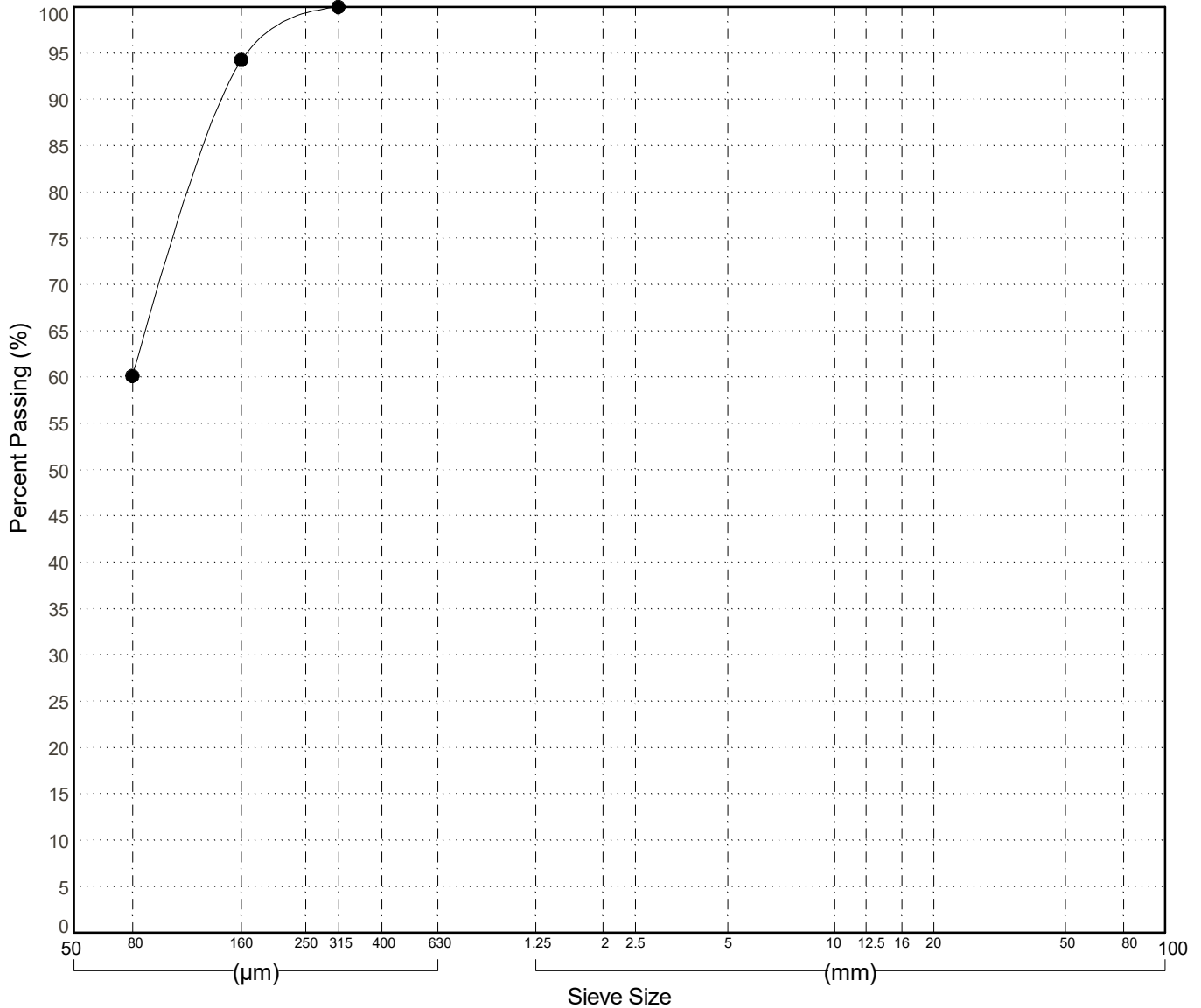


GRAIN SIZE ANALYSIS	Simpson Creek	SOURCE/TP#: 884-5434
Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723380m E489295m	ELEVATION: m

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Field#	Lab#	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu
● 13	2016-727	18.9 to 21.3	SANDY SILT (ML)													26.7	NP	NP	NP		
Field#	Lab#		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
● 13	2016-727	% PASSING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.3	60.1	0.0	39.9	60.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works  
Transportation Engineering Branch

LOGGED BY: K.Elmer  
COMPILED BY: R.Stilwell  
REVIEWED BY: R.Stilwell

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Complete: 6/12/2015 3:00:00 PM

GRAIN SIZE ANALYSIS	Simpson Creek	SOURCE/TP#: 884-5435
Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723362m E489310m	ELEVATION: m

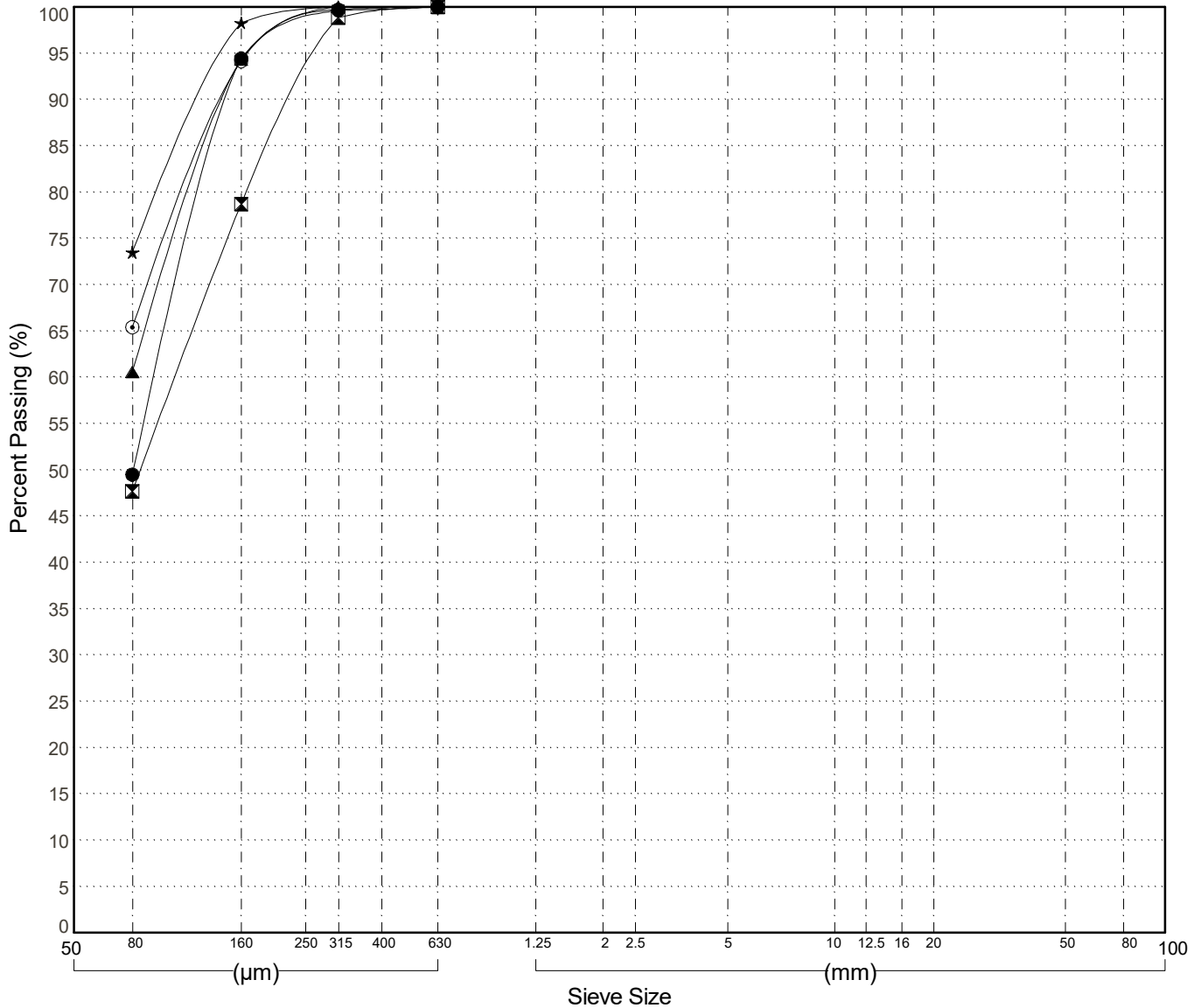
Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 15	2016-729	0.0 to 1.5	SILTY SAND(SM)	26.6	NP	NP	NP		
☒ 16	2016-730	2.3 to 2.4	SILTY SAND(SM)	16.4	NP	NP	NP		
▲ 17	2016-731	2.4 to 2.9	SANDY SILT(ML)	32.0	NP	NP	NP		
★ 19	2016-733	4.2 to 5.8	SILT with SAND(ML)	27.0	NP	NP	NP		
⊙ 20	2016-734	5.8 to	SANDY SILT(ML)	27.7	NP	NP	NP		

Field#	Lab#	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
																Gravel	Sand	Silt	Clay
● 15	2016-729	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	94.4	49.5	0.0	50.5	49.5	
☒ 16	2016-730	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	78.7	47.7	0.0	52.3	47.7	
▲ 17	2016-731	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.3	60.6	0.0	39.4	60.6	
★ 19	2016-733	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.3	73.5	0.0	26.5	73.5	
⊙ 20	2016-734	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	94.1	65.4	0.0	34.6	65.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Simpson Creek	SOURCE/TP#: 884-5435
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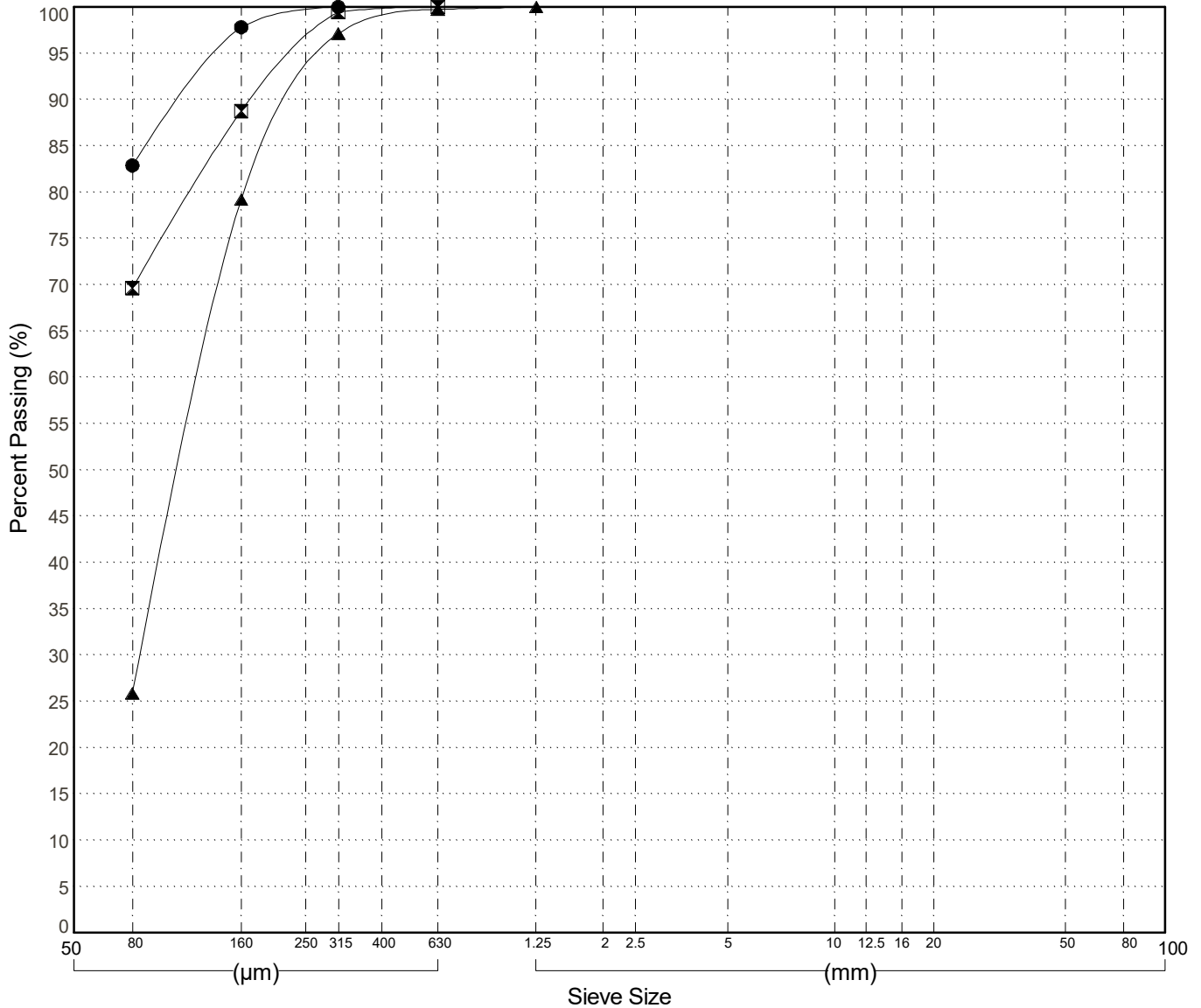
Master Revised July 2013

Field#	Lab#	Depth	Classification	%H <sub>2</sub> O	LL	PL	PI	C <sub>c</sub>	C <sub>u</sub>
● 21	2016-735	6.2 to 7.6	SILT with SAND(ML)	26.9	NP	NP	NP		
☒ 22	2016-736	7.6 to 8.5	SANDY SILT(ML)	27.7	NP	NP	NP		
▲ 23	2016-737	10.1 to	SILTY SAND(SM)	24.9	NP	NP	NP		

Field#	Lab#	% PASSING														% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 21	2016-735	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.8	82.9	0.0	17.1	82.9
☒ 22	2016-736	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	88.7	69.7	0.0	30.3	69.7	
▲ 23	2016-737	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	97.1	79.2	25.9	0.0	74.1	25.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



Highways and Public Works  
Transportation Engineering Branch

LOGGED BY: K.Elmer  
COMPILED BY: R.Stilwell  
REVIEWED BY: R.Stilwell

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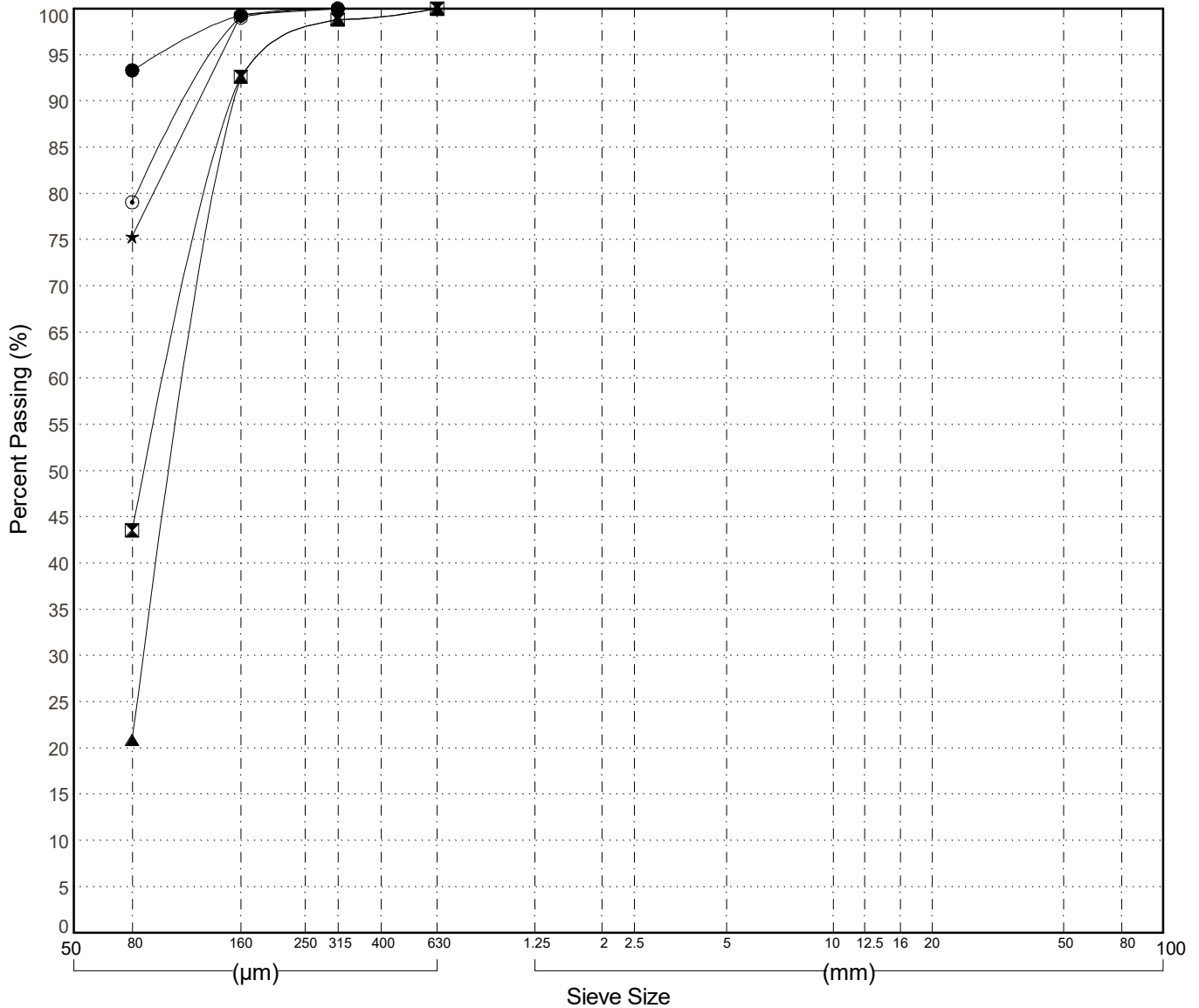
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Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 24	2016-738	1.5 to 1.8	SILT(ML)	30.3	NP	NP	NP		
☒ 25	2016-740	2.7 to	SILTY SAND(SM)	33.5	NP	NP	NP		
▲ 26	2016-741	3.7 to 4.0	SILTY SAND(SM)	29.1	NP	NP	NP		
★ 27	2016-742	4.0 to 4.6	SILT with SAND(ML)	25.6	NP	NP	NP		
⊙ 28	2016-743	4.0 to 5.0	SILT with SAND(ML)	28.9	NP	NP	NP		

Field#	Lab#	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
		% PASSING														Gravel	Sand	Silt	Clay
● 24	2016-738	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.3	0.0	6.7	93.3	
☒ 25	2016-740	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	92.6	43.6	0.0	56.4	43.6	
▲ 26	2016-741	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	92.6	20.9	0.0	79.1	20.9	
★ 27	2016-742	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	75.3	0.0	24.7	75.3	
⊙ 28	2016-743	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	79.1	0.0	20.9	79.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



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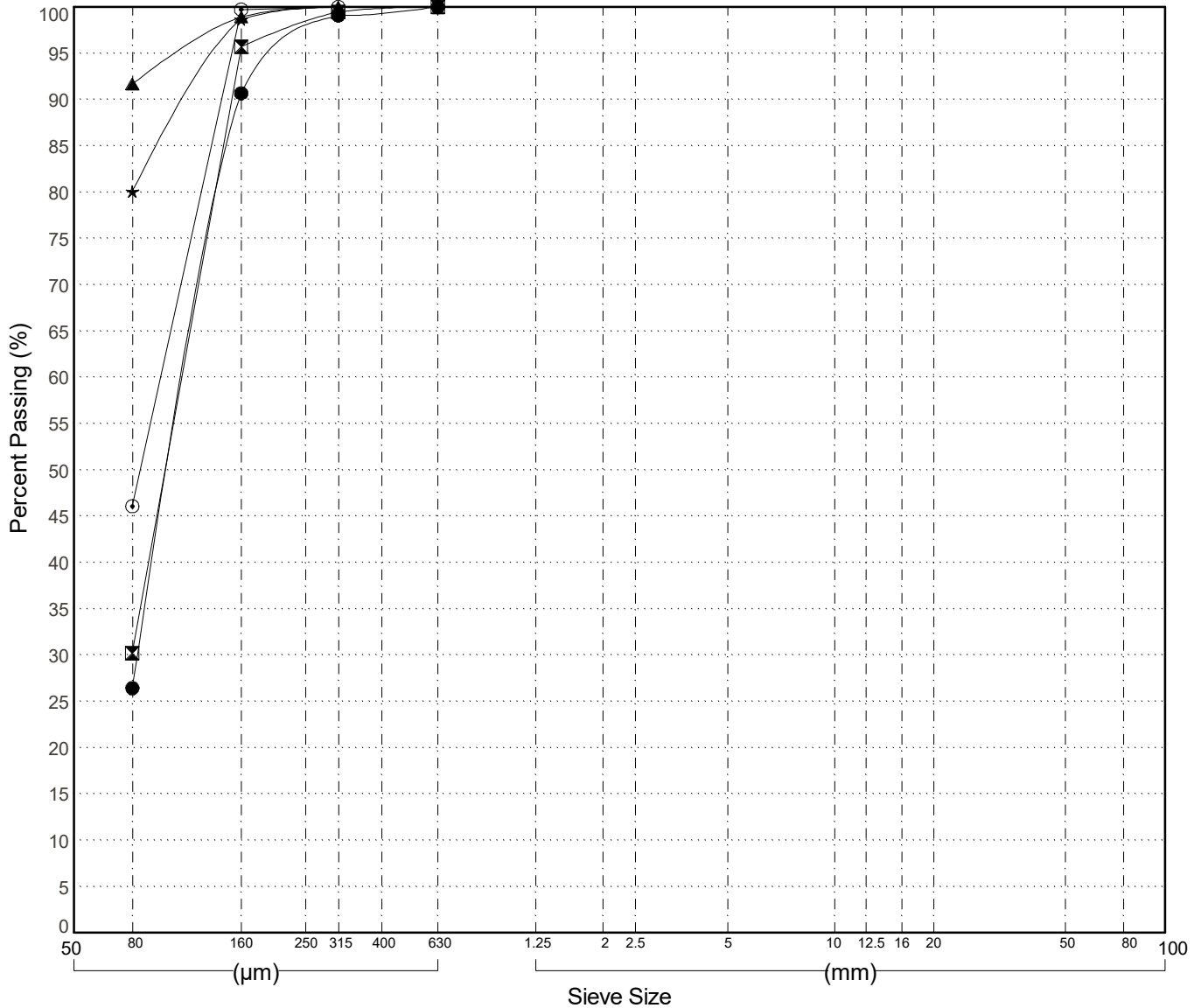
Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 29	2016-744	5.5 to 5.9	SILTY SAND(SM)	25.7	NP	NP	NP		
☒ 30	2016-745	7.0 to 7.5	SILTY SAND(SM)	28.8	NP	NP	NP		
▲ 31	2016-746	11.6 to	SILT(ML)	28.5	NP	NP	NP		
★ 32	2016-747	14.6 to	SILT with SAND(ML)	29.3	NP	NP	NP		
⊙ 33	2016-748	15.2 to 17.8	SILTY SAND(SM)	27.1	NP	NP	NP		

Field#	Lab#	% PASSING															% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay	
● 29	2016-744	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.1	90.7	26.4	0.0	73.6	26.4		
☒ 30	2016-745	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	95.7	30.2	0.0	69.8	30.2		
▲ 31	2016-746	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	91.7	0.0	8.3	91.7		
★ 32	2016-747	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.6	80.1	0.0	19.9	80.1		
⊙ 33	2016-748	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	46.1	0.0	53.9	46.1		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

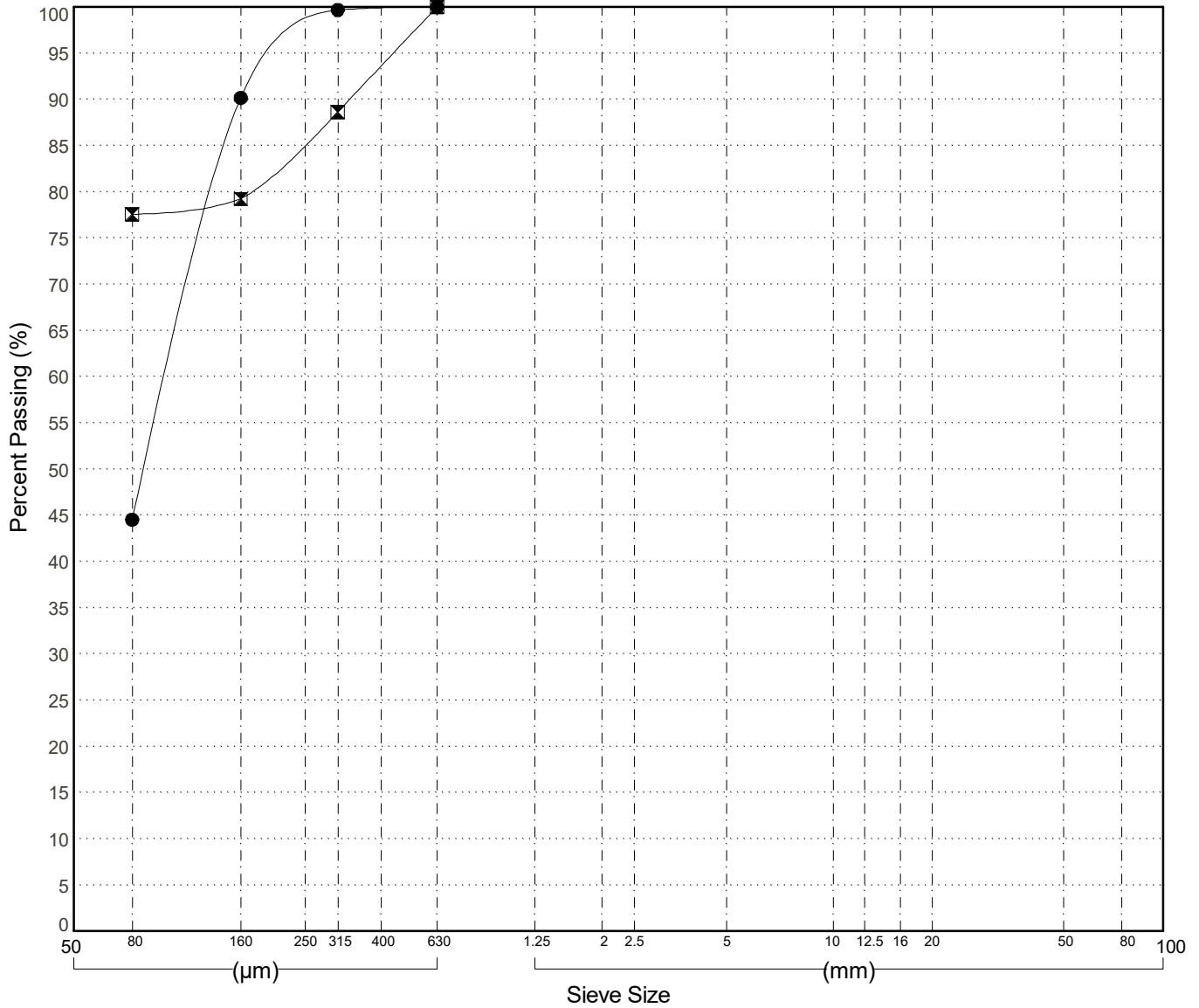


GRAIN SIZE ANALYSIS	Simpson Creek	SOURCE/TP#: 884-5436
Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723409m E489294m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu											
● 34	2016-749	17.8 to 20.7	SILTY SAND(SM)	29.2	NP	NP	NP													
☒ 35	2016-750	20.7 to 24.4	SILT with SAND(ML)	28.6	NP	NP	NP													
Field#	Lab#	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown				
																Gravel	Sand	Silt	Clay	
● 34	2016-749	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	90.2	44.5	0.0	55.5	44.5		
☒ 35	2016-750	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.6	79.2	77.6	0.0	22.4	77.6		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



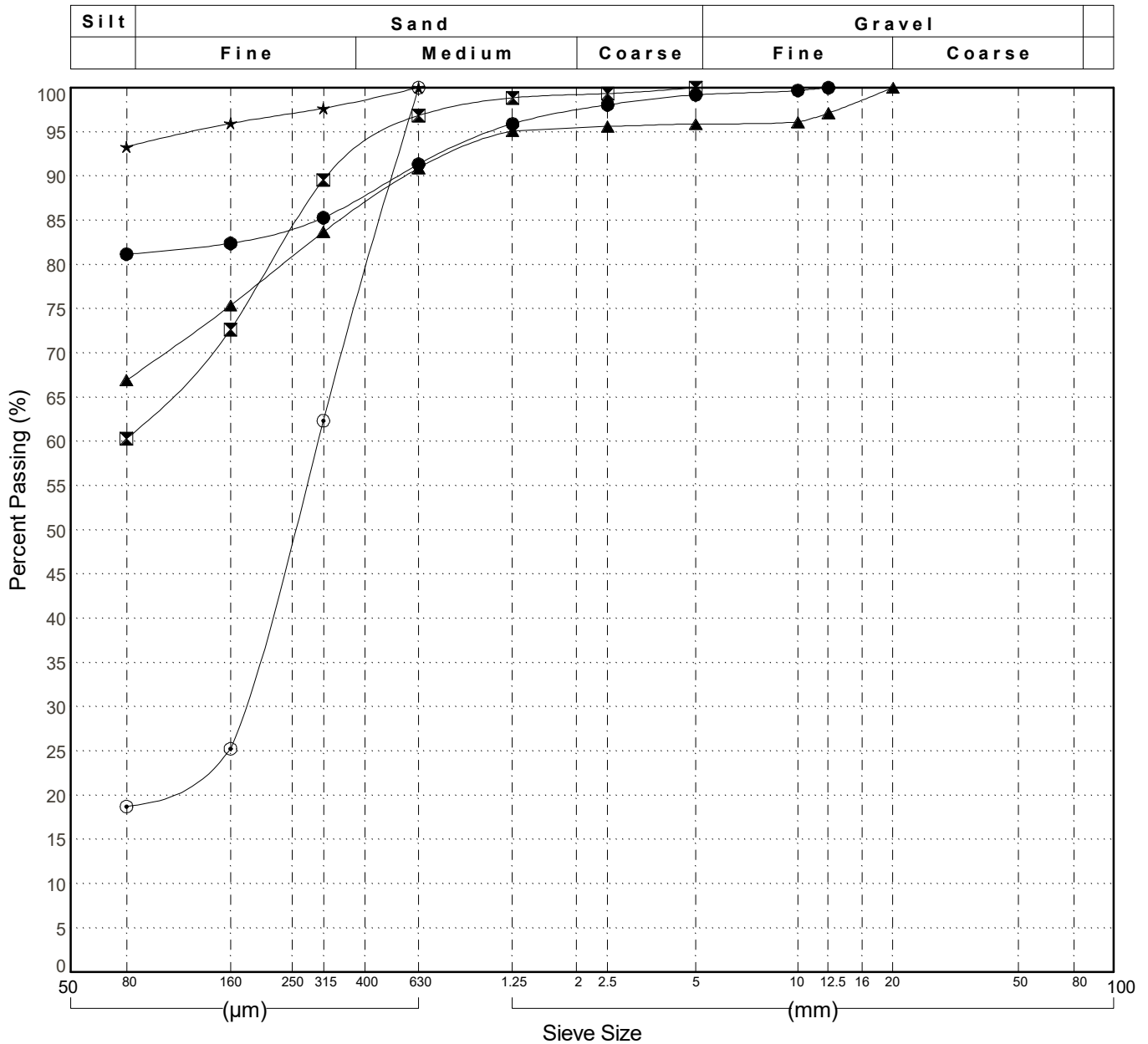
GRAIN SIZE ANALYSIS	Simpson Creek	SOURCE/TP#: 884-5437
Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723433m E489287m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H <sub>2</sub> O	LL	PL	PI	C <sub>c</sub>	C <sub>u</sub>
● 36	2016-751	0.0 to 2.7	SILT with SAND(ML)	32.7	NP	NP	NP		
☒ 37	2016-752	2.7 to	SANDY SILT(ML)	52.9	NP	NP	NP		
▲ 38	2016-753	4.0 to	SANDY SILT(ML)	27.3	NP	NP	NP		
★ 39	2016-754	5.5 to	SILT(ML)	28.0	NP	NP	NP		
⊙ 40	2016-755	7.0 to 7.5	SILTY SAND(SM)	30.0	NP	NP	NP		

Field#	Lab#	% PASSING															% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay	
● 36	2016-751	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.2	98.1	95.9	91.3	85.3	82.4	81.2	0.8	18.0	81.2		
☒ 37	2016-752	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	98.9	96.8	89.6	72.7	60.3	0.0	39.7	60.3		
▲ 38	2016-753	100.0	100.0	100.0	100.0	100.0	97.1	96.1	95.9	95.6	95.1	90.9	83.7	75.4	66.9	4.1	28.9	66.9		
★ 39	2016-754	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.7	96.0	93.3	0.0	6.7	93.3		
⊙ 40	2016-755	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	62.3	25.3	18.7	0.0	81.3	18.7		



GRAIN SIZE ANALYSIS	Simpson Creek	SOURCE/TP#: 884-5437
Midnight Sun Drilling		PROJECT NO: 552-202104-2035-0661-5
ODEX	Coordinates: Z09V N6723433m E489287m	ELEVATION: m

Master Revised July 2013

Field#	Lab#	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 41	2016-756	7.1 to 8.5	SILTY SAND(SM)	27.1	NP	NP	NP		
☒ 42	2016-757	8.5 to 10.1	SILTY SAND(SM)	28.6	NP	NP	NP		

Field#	Lab#	% PASSING	100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	% Breakdown			
			Gravel	Sand	Silt	Clay														
● 41	2016-756	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.2	23.7	0.0	76.3	23.7	
☒ 42	2016-757	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	30.4	0.0	69.6	30.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

