

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-01
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	North Canol Surface Tests - various pits, 363.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between; font-size: small;"> PLASTIC M.C LIQUID </div>	<div style="display: flex; justify-content: space-between; font-size: small;"> ★ Percent Fines ★ </div> <div style="display: flex; justify-content: space-between; font-size: small;"> ◆ Percent Sand ◆ </div> <div style="display: flex; justify-content: space-between; font-size: small;"> ■ Percent Gravel ■ </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
0		0		01	GM		GRAVEL with SAND, some SILT dark brown, loose, damp	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-02
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	North Canol Surface Tests - various pits, 363.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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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)
0			02	SM		SAND with GRAVEL, some SILT dark brown/grey, loose, damp	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-03
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	North Canol Surface Tests - various pits, 363.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>★ Percent Fines ★</p> <p>◆ Percent Sand ◆</p> <p>■ Percent Gravel ■</p> </div> <div style="width:45%;"> <p>PLASTIC M.C LIQUID</p> <p>0 20 40 60 80 100</p> <p>0 20 40 60 80 100</p> </div> </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
0			03	GM		SILTY GRAVEL with SAND dark brown, loose, damp	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-04
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	North Canol Surface Tests - various pits, 365.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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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)
0			04	SW-SM	SAND with GRAVEL, some SILT dark brown, loose, damp		

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-05
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	North Canol Surface Tests - various pits, 365.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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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)
			05	SP-SM	SAND with GRAVEL, trace SILT dark brown, loose, moist		

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-06
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	North Canol Surface Tests - various pits, 376.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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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)
			06	SP-SM	GRAVELLY SAND, trace SILT dark brown/black, loose, moist		

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-07
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	North Canol Surface Tests - various pits, 376.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				07	SP-SM		SAND with GRAVEL, some SILT dark brown/grey, loose, moist	



**Highways and Public Works
Transportation Engineering Branch**

LOGGED BY: Dave Lorenzi	Termination Depth: 0m
COMPILED BY: R.Kennedy-Kuiper	Complete:
REVIEWED BY: R.Stilwell	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT North Canol Road Highway #6 SOURCE/TP#: 894-08

Manual Sample North Canol Surface Tests - various pits, 384.3 PROJECT NO: 552-202021-0204-02-1

Coordinates: Z Nm Em ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

ELEV. (m)	PLASTIC	M.C	LIQUID	Soil Composition			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				★ Percent Fines ★	◆ Percent Sand ◆	■ Percent Gravel ■						
0	0	50	80	20	80	0		08	SM		GRAVELLY SAND, some SILT dark brown/grey, loose, moist	



Highways and Public Works
Transportation Engineering Branch

LOGGED BY: Dave Lorenzi	Termination Depth: 0m
COMPILED BY: R.Kennedy-Kuiper	Complete:
REVIEWED BY: R.Stilwell	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-09
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	North Canol Surface Tests - various pits, 387.4	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>★ Percent Fines ★</p> <p>◆ Percent Sand ◆</p> <p>■ Percent Gravel ■</p> </div> <div style="width:45%;"> <p>PLASTIC M.C LIQUID</p> <p>0 20 40 60 80 100</p> </div> </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
0			09	SP-SM		SAND, some SILT, trace GRAVEL dark brown, loose, moist	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-10
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	North Canol Surface Tests - various pits, 387.4	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between; font-size: small;"> PLASTIC M.C LIQUID </div>	<div style="display: flex; justify-content: space-between; font-size: small;"> ★ Percent Fines ★ </div> <div style="display: flex; justify-content: space-between; font-size: small;"> ◆ Percent Sand ◆ </div> <div style="display: flex; justify-content: space-between; font-size: small;"> ■ Percent Gravel ■ </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							SAND, trace SILT and GRAVEL brown, loose, moist	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-11
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	North Canol Surface Tests - various pits, 388.2	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>★ Percent Fines ★</p> <p>◆ Percent Sand ◆</p> <p>■ Percent Gravel ■</p> </div> <div style="width:45%;"> <p>PLASTIC</p> <p>M.C</p> <p>LIQUID</p> </div> </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
0			11	SW		SAND with GRAVEL, trace SILT brown, loose, moist	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-12
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	North Canol Surface Tests - various pits, 388.2	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■ 0 20 40 60 80 100	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				12	SW-SM		SAND with GRAVEL, trace SILT brown, loose, moist	



**Highways and Public Works
Transportation Engineering Branch**

LOGGED BY: Dave Lorenzi	Termination Depth: 0m
COMPILED BY: R.Kennedy-Kuiper	Complete:
REVIEWED BY: R.Stilwell	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-13
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	North Canol Surface Tests - various pits, 390.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>★ Percent Fines ★</p> <p>◆ Percent Sand ◆</p> <p>■ Percent Gravel ■</p> </div> <div style="width:45%;"> <p>PLASTIC M.C LIQUID</p> <p>0 20 40 60 80 100</p> <p>0 20 40 60 80 100</p> </div> </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
			13	GW-GM	SANDY GRAVEL, trace SILT brown/tan, loose, moist		

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-14
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	North Canol Surface Tests - various pits, 390.5	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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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)
0	<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>0 20 40 60 80 100</p> </div> <div style="width:45%;"> <p>0 20 40 60 80 100</p> </div> </div>		14	GP-GM		GRAVEL with SAND, trace SILT brown/tan, loose, moist	



**Highways and Public Works
Transportation Engineering Branch**

LOGGED BY: Dave Lorenzi	Termination Depth: 0m
COMPILED BY: R.Kennedy-Kuiper	Complete:
REVIEWED BY: R.Stilwell	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-15
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	North Canol Surface Tests - various pits, 383.0	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	<div style="display: flex; justify-content: space-between; font-size: small;"> PLASTIC M.C LIQUID </div>	<div style="display: flex; justify-content: space-between; font-size: small;"> ★ Percent Fines ★ </div> <div style="display: flex; justify-content: space-between; font-size: small;"> ◆ Percent Sand ◆ </div> <div style="display: flex; justify-content: space-between; font-size: small;"> ■ Percent Gravel ■ </div>	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							GRAVELLY SAND, some SILT dark brown/grey, loose, moist	

	LOGGED BY: Dave Lorenzi	Termination Depth: 0m
	COMPILED BY: R.Kennedy-Kuiper	Complete:
	REVIEWED BY: R.Stilwell	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-16
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	North Canol Surface Tests - various pits, 382.0	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				16	GP-GM		GRAVEL with SAND, trace SILT very dark brown/black, loose, moist	



**Highways and Public Works
Transportation Engineering Branch**

LOGGED BY: Dave Lorenzi	Termination Depth: 0m
COMPILED BY: R.Kennedy-Kuiper	Complete:
REVIEWED BY: R.Stilwell	Pit #:

SUBSURFACE EXPLORATION AND TEST REPORT North Canol Road Highway #6 SOURCE/TP#: 894-17

Manual Sample North Canol Surface Tests - various pits, PROJECT NO: 552-202021-0204-02-1

Coordinates: Z Nm Em ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				17	SM		SAND with GRAVEL, some SILT brown, loose, moist	

SUBSURFACE EXPLORATION AND TEST REPORT	North Canol Road Highway #6	SOURCE/TP#: 894-18
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	North Canol Surface Tests - various pits,	PROJECT NO: 552-202021-0204-02-1
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Manual Sample	Coordinates: Z Nm Em	ELEVATION: m
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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
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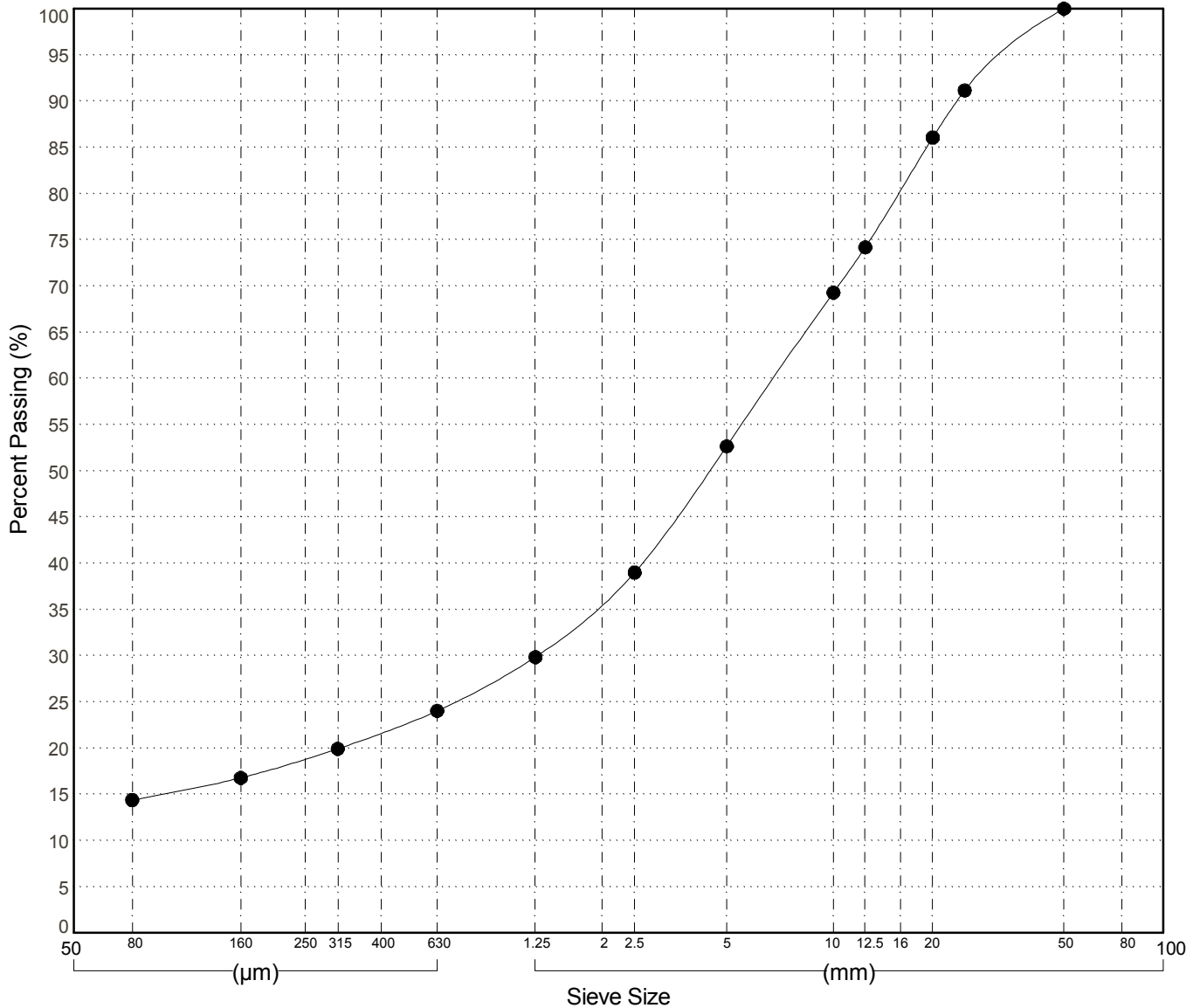
ELEV. (m)	PLASTIC M.C LIQUID 0 20 40 60 80 100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				18	SW-SM		SAND with GRAVEL, trace SILT dark brown, loose, moist	

GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-01
	363.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 01	2016-189	0.0 to 0.0	SILTY GRAVEL with SAND(GM)											5.0	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				
● 01	2016-189	100.0	100.0	100.0	91.1	86.1	74.2	69.3	52.7	39.0	29.8	24.0	19.9	16.8	14.4	Gravel	Sand	Silt	Clay	
																47.3	38.3		14.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

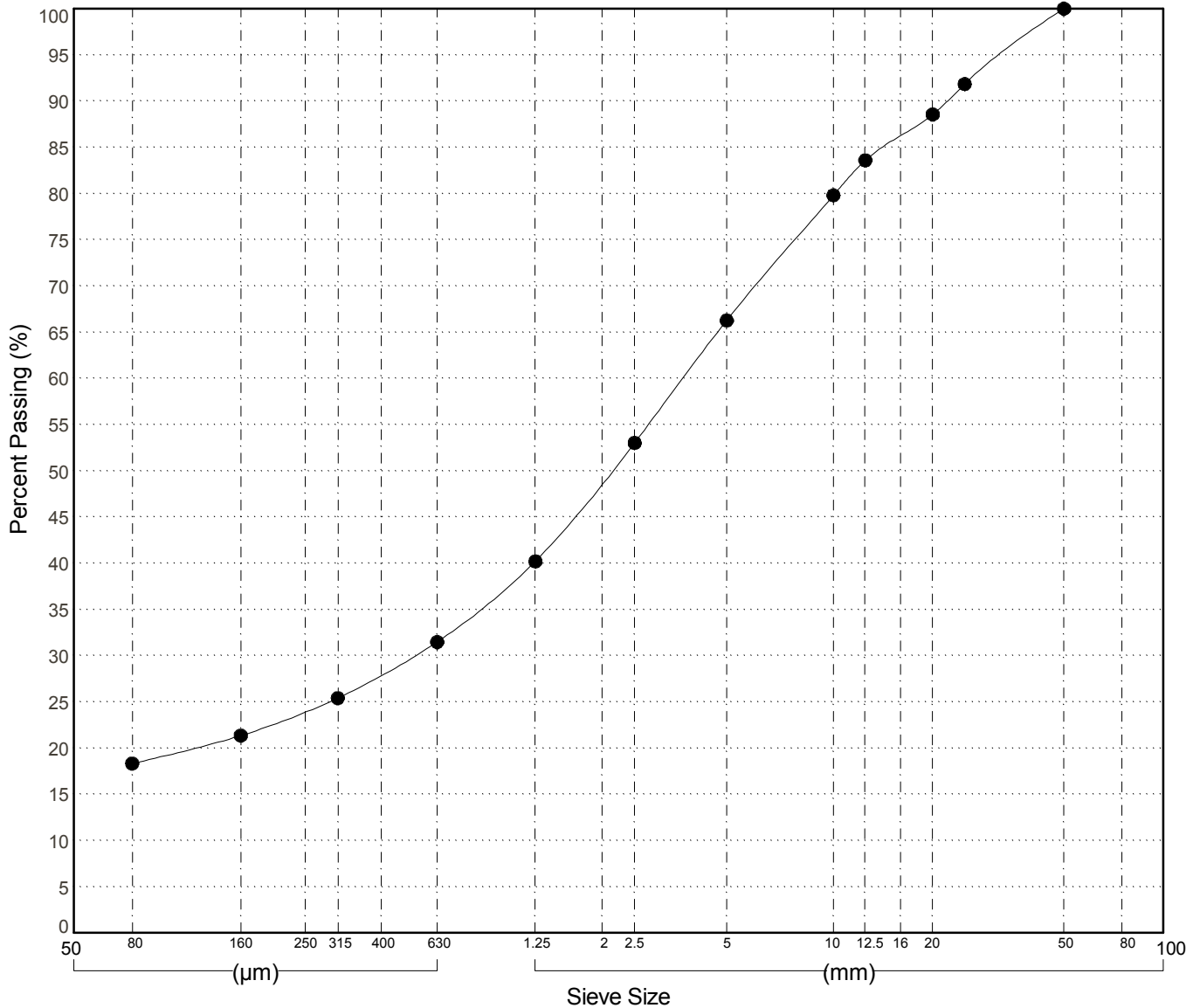


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-02
	363.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 02	2016-190	0.0 to 0.0	SILTY SAND with GRAVEL(SM)											5.6	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				
● 02	2016-190	100.0	100.0	100.0	91.8	88.6	83.6	79.8	66.3	53.0	40.2	31.5	25.4	21.4	18.3	Gravel	Sand	Silt	Clay	
																33.7	47.9	18.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

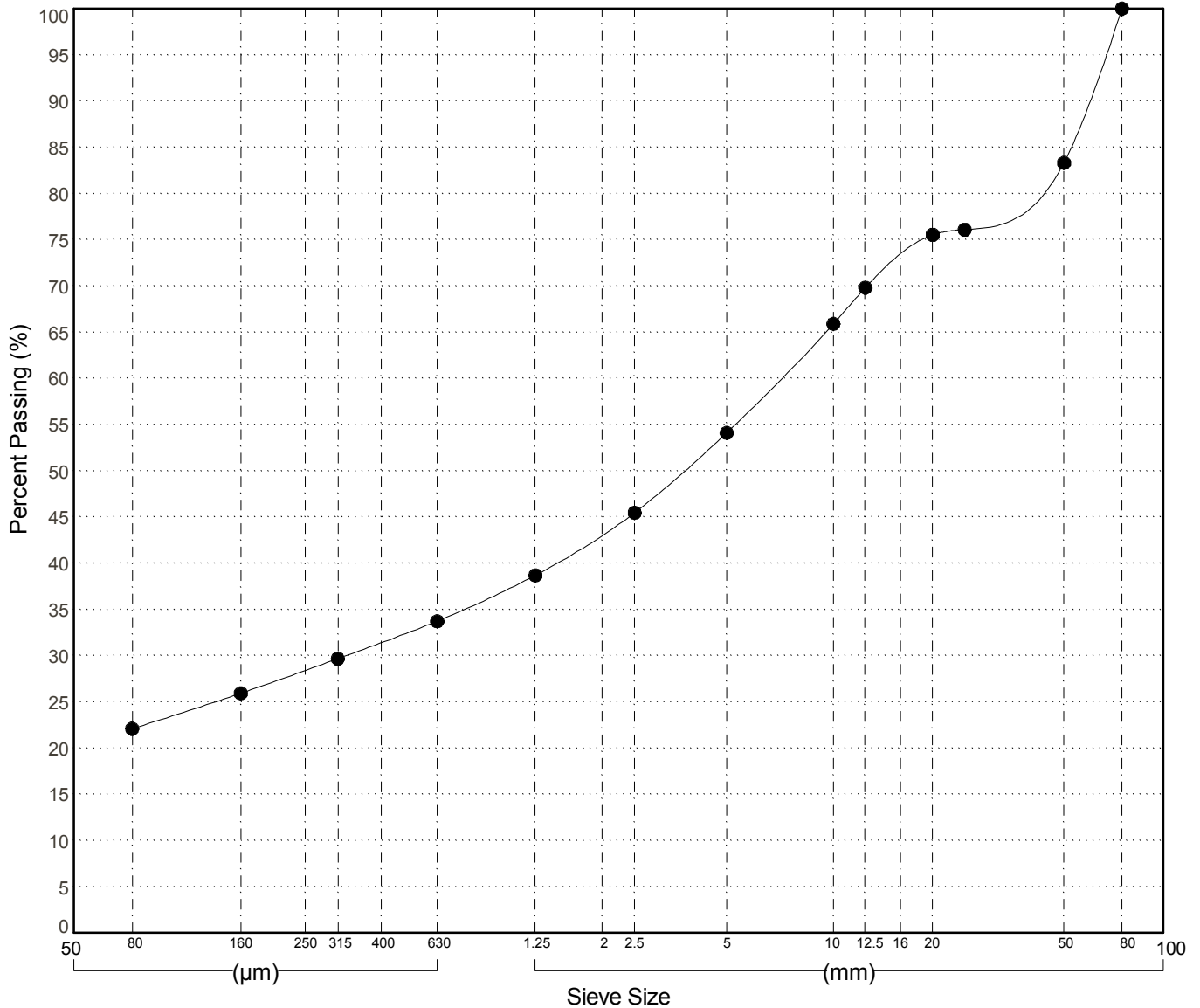


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-03
	363.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu	D10
● 03	2016-191	0.0 to 0.0	SILTY GRAVEL with SAND(GM)													3.2	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						
● 03	2016-191	100.0	100.0	83.3	76.1	75.5	69.8	65.9	54.1	45.5	38.7	33.7	29.7	25.9	22.1	Gravel	Sand	Silt	Clay			
																45.9	32.0		22.1			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

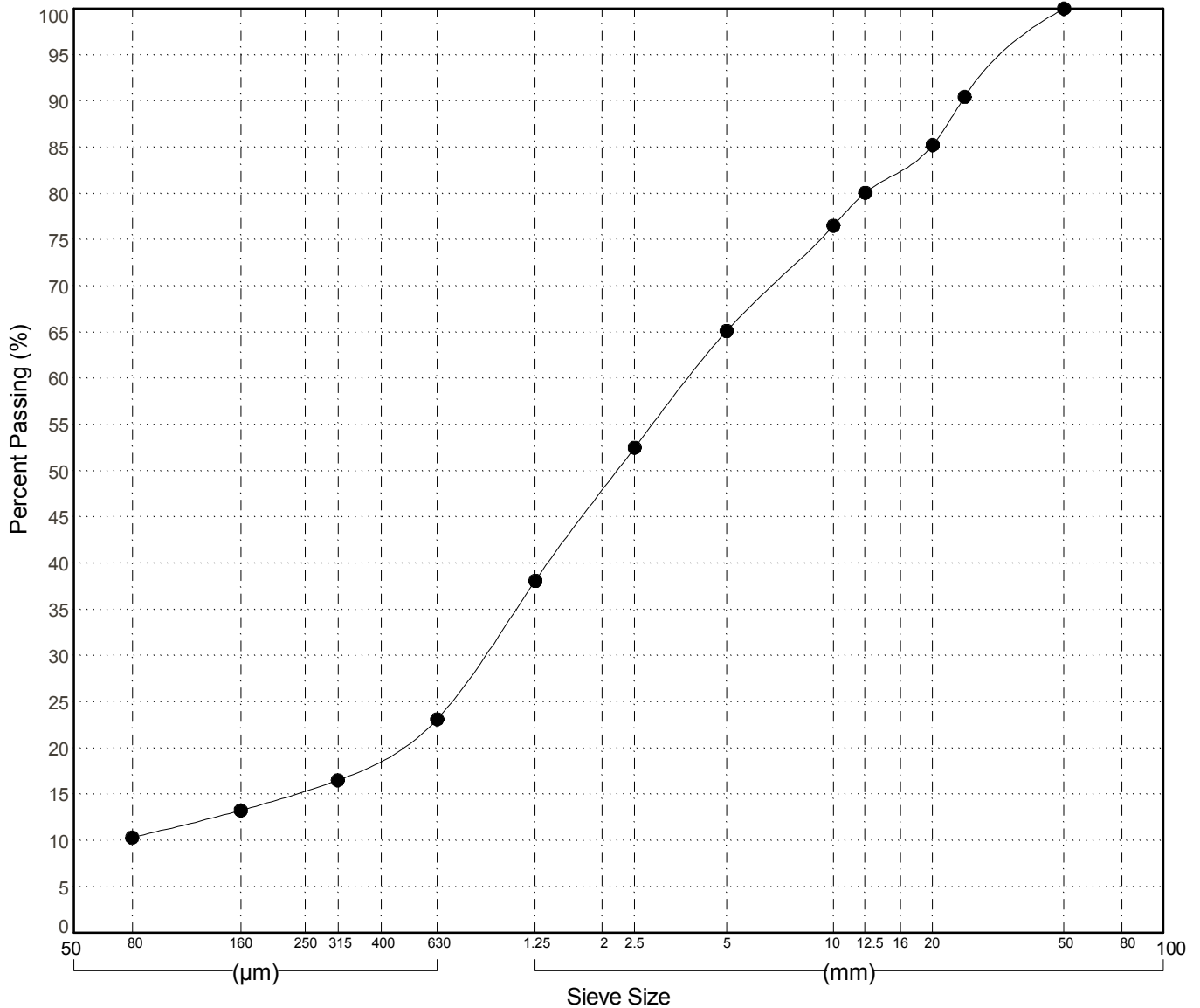


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-04
	365.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 04	2016-192	0.0 to 0.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)											3.7	NP	NP	NP	3.0	53.1	
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				
● 04	2016-192	100.0	100.0	100.0	90.5	85.2	80.1	76.5	65.1	52.5	38.1	23.1	16.5	13.3	10.3	Gravel	Sand	Silt	Clay	
																34.9	54.8	10.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

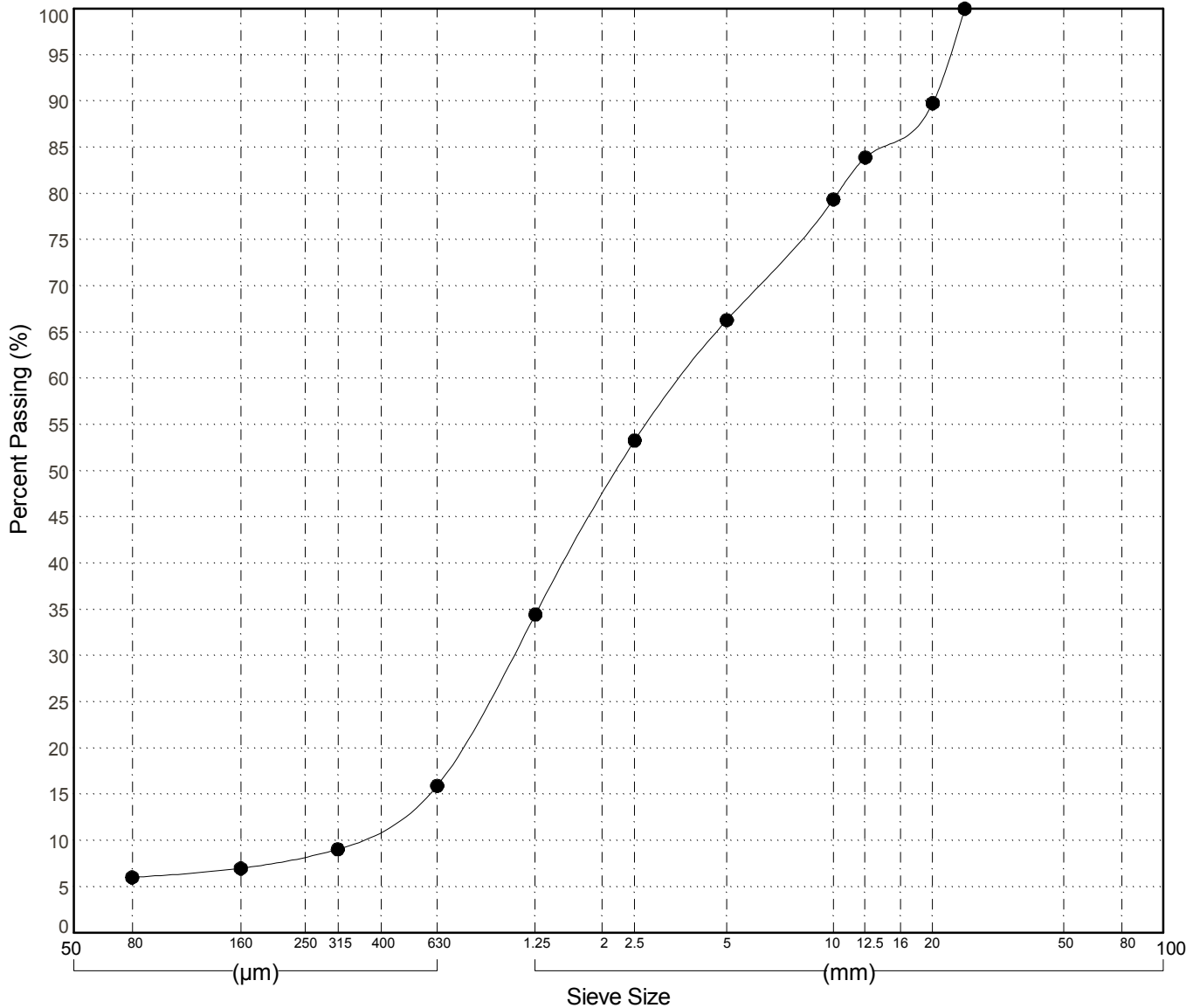


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-05
	365.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 05	2016-193	0.0 to 0.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)											6.4	NP	NP	NP	0.9	10.1	0.346
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				
● 05	2016-193	100.0	100.0	100.0	100.0	89.8	83.9	79.4	66.3	53.3	34.5	15.9	9.1	7.0	6.0	Gravel	Sand	Silt	Clay	
																33.7	60.3		6.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

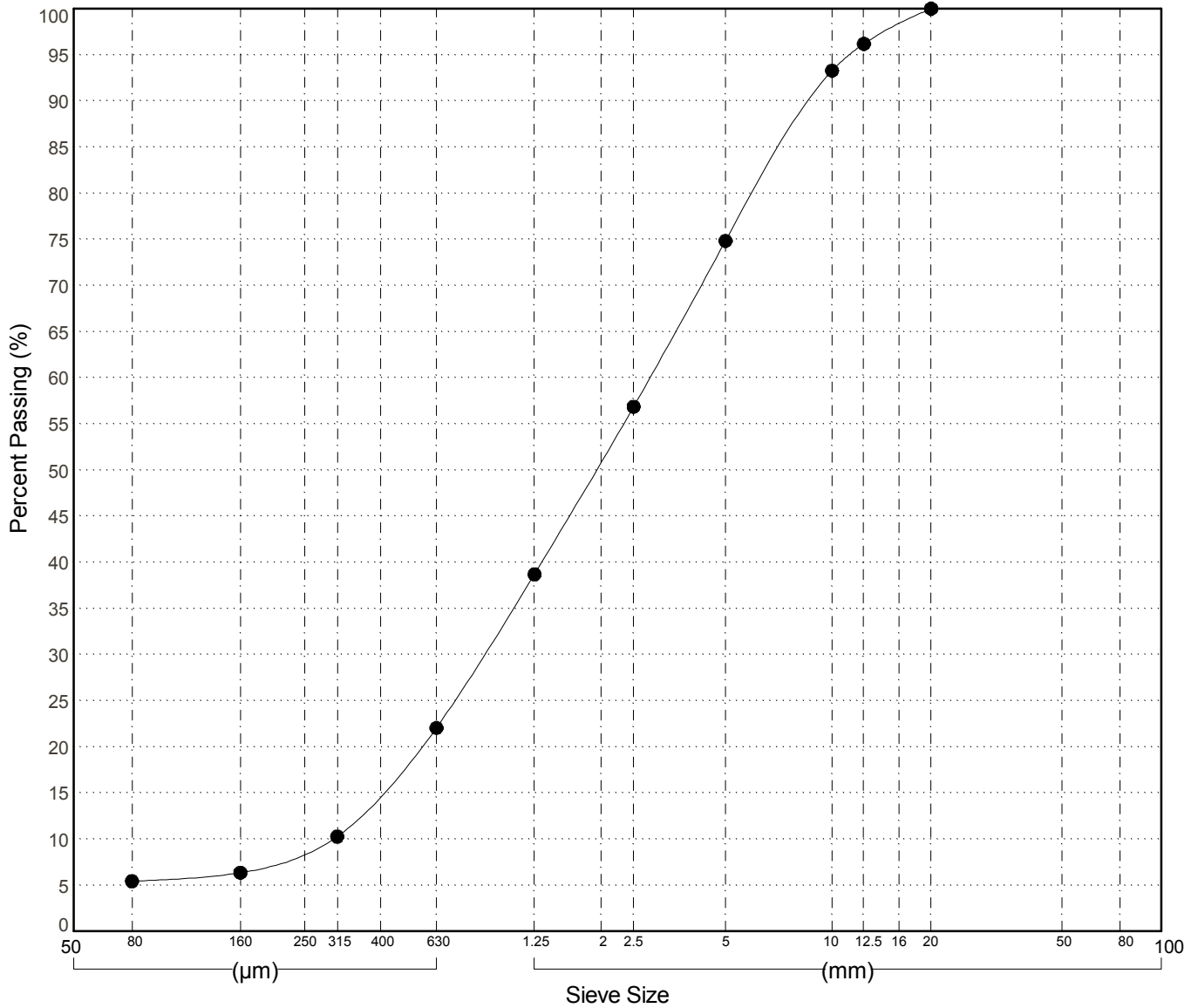


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-06
	376.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 06	2016-194	0.0 to 0.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)											8.1	NP	NP	NP	0.9	9.3	0.300
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				
● 06	2016-194	100.0	100.0	100.0	100.0	100.0	96.2	93.3	74.8	56.9	38.7	22.1	10.3	6.4	5.4	Gravel	Sand	Silt	Clay	
																25.2	69.4		5.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

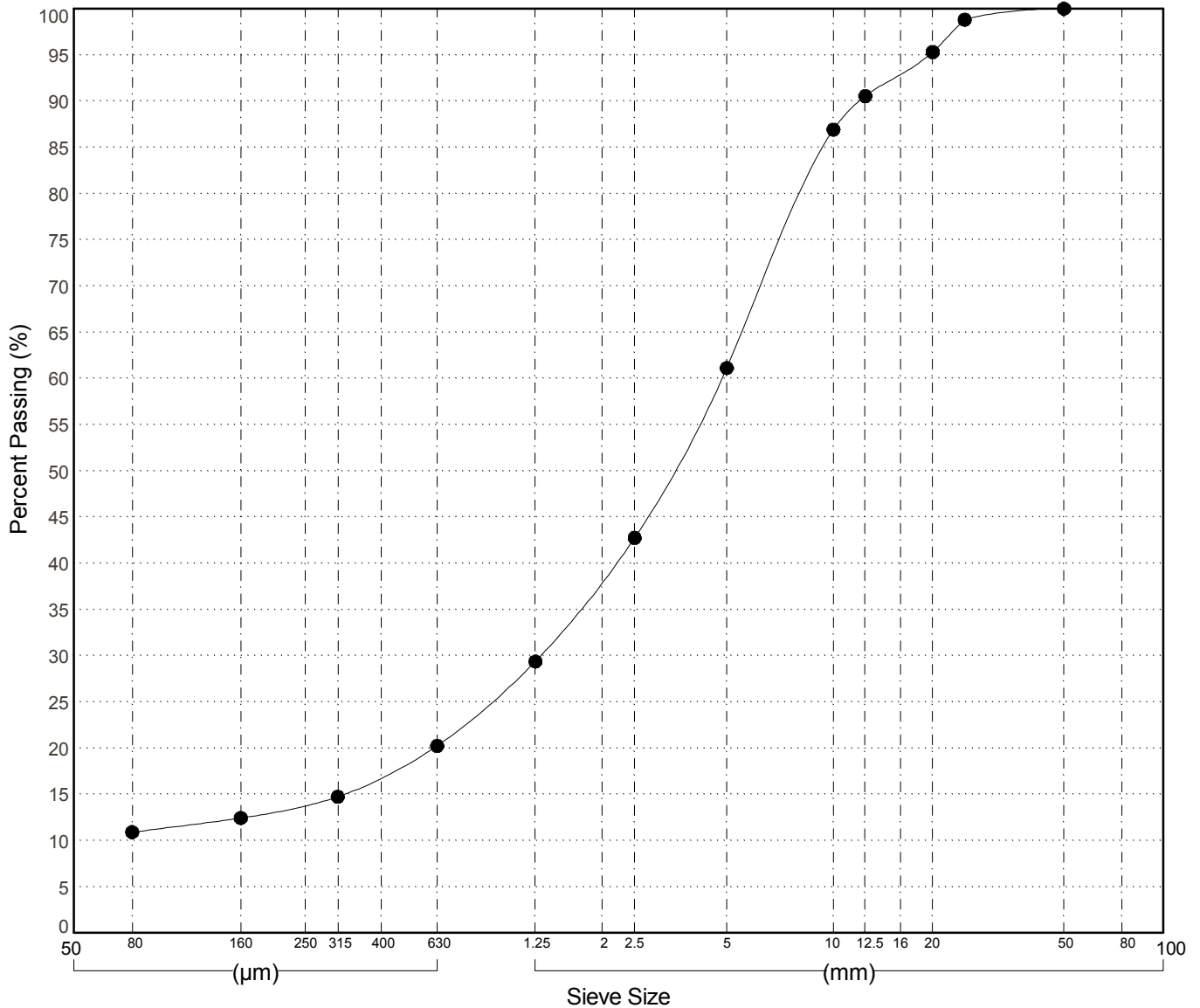


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-07
	376.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 07	2016-195	0.0 to 0.0	POORLY GRADED SAND with SILT and GRAVEL(SP-SM)											4.6	NP	NP	NP	7.7	95.8	
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				
● 07	2016-195	100.0	100.0	100.0	98.8	95.3	90.5	86.9	61.1	42.8	29.4	20.2	14.7	12.4	10.9	Gravel	Sand	Silt	Clay	
																38.9	50.2	10.9		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

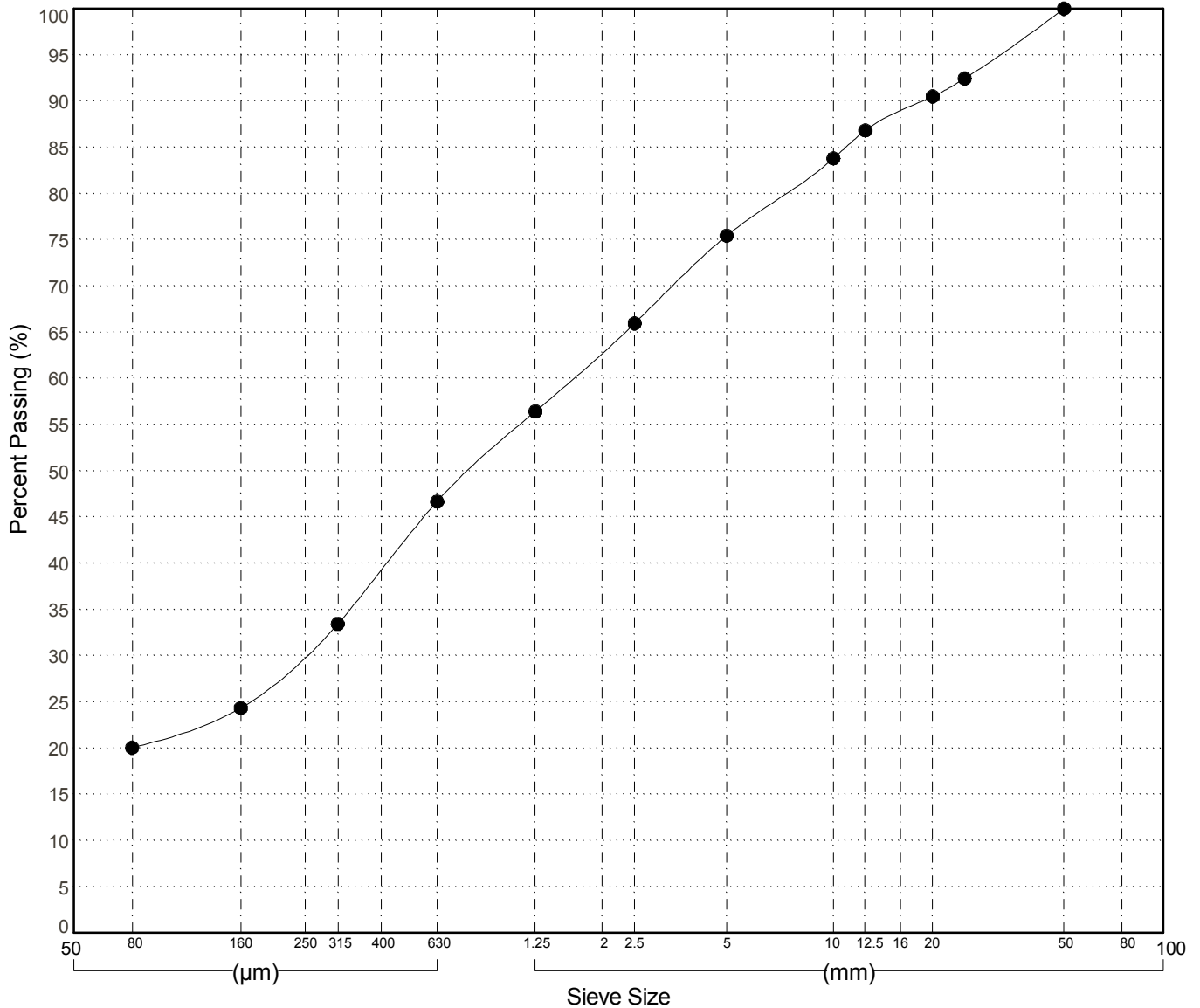


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-08
	384.3	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu	D10
● 08	2016-196	0.0 to 0.0	SILTY SAND with GRAVEL(SM)													7.5	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						
● 08	2016-196	100.0	100.0	100.0	92.4	90.5	86.8	83.8	75.4	66.0	56.4	46.7	33.4	24.3	20.0	Gravel	Sand	Silt	Clay			
																24.6	55.4		20.0			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

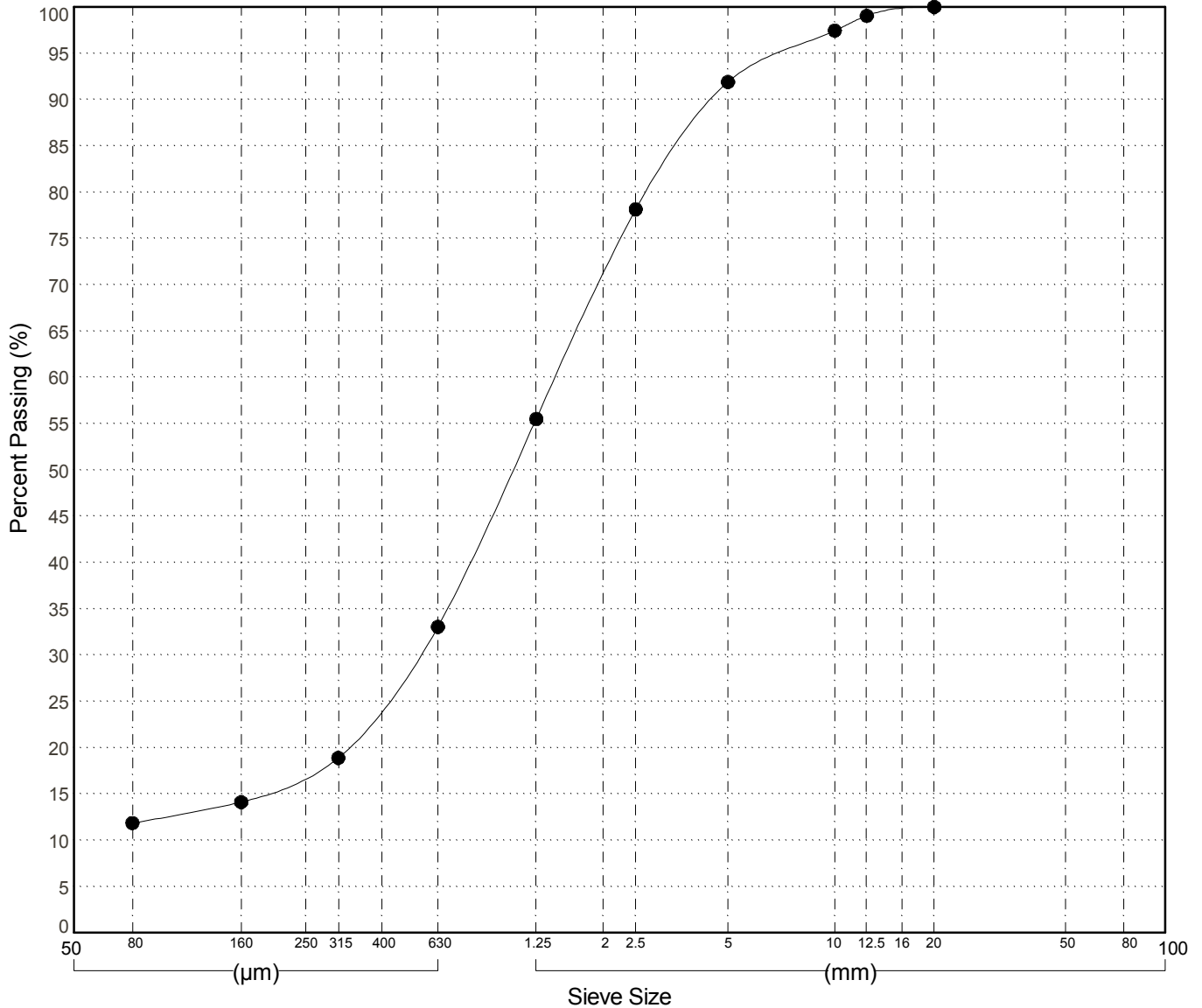


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-09
	387.4	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 09	2016-197	0.0 to 0.0	POORLY GRADED SAND with SILT (SP-SM)											8.1	NP	NP	NP	5.1	35.7	
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				
● 09	2016-197	100.0	100.0	100.0	100.0	100.0	99.0	97.4	91.9	78.1	55.5	33.1	18.9	14.1	11.9	Gravel	Sand	Silt	Clay	
																8.1	80.0		11.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

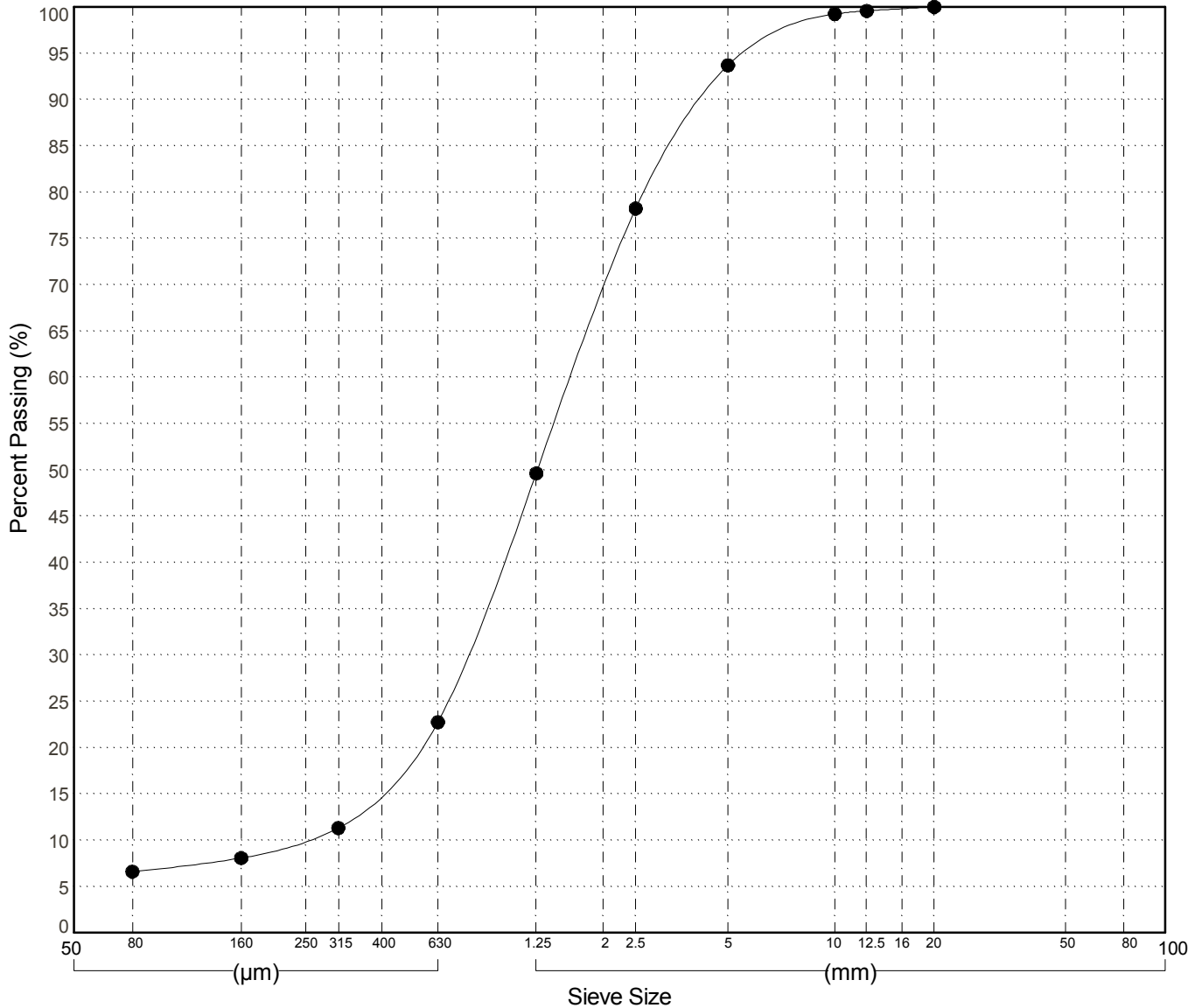


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-10
	387.4	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu	D10
● 10	2016-198	0.0 to 0.0	WELL-GRADED SAND with SILT (SW-SM)													3.2	NP	NP	NP	1.5	6.7	0.239
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						
● 10	2016-198	100.0	100.0	100.0	100.0	100.0	99.6	99.2	93.7	78.2	49.6	22.7	11.3	8.1	6.6	Gravel	Sand	Silt	Clay			
																6.3	87.1		6.6			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

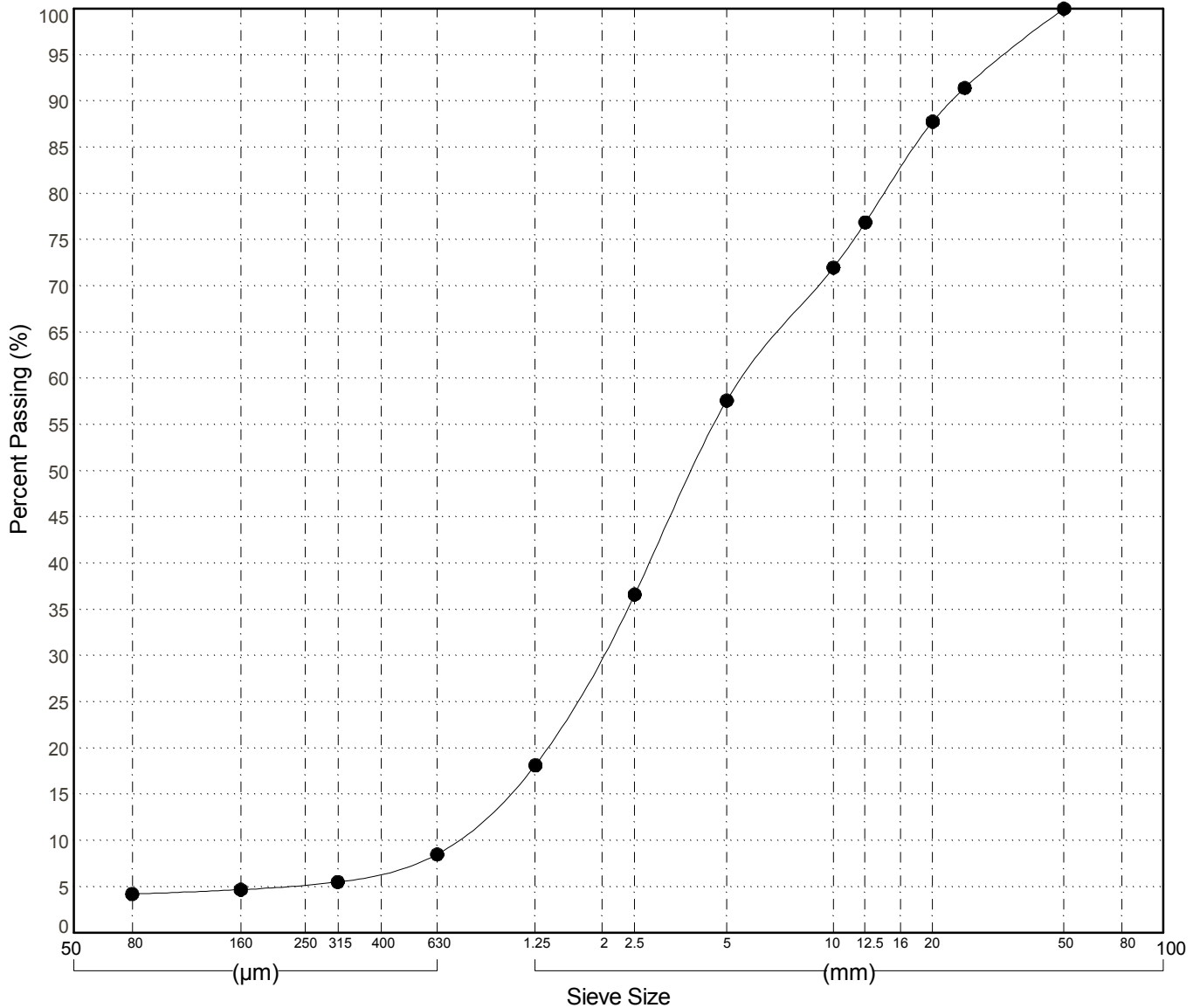


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-11
	388.2	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 11	2016-199	0.0 to 0.0	WELL-GRADED SAND with GRAVEL(SW)											2.1	NP	NP	NP	1.0	7.7	0.700
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				
● 11	2016-199	100.0	100.0	100.0	91.4	87.8	76.9	72.0	57.6	36.6	18.1	8.5	5.5	4.7	4.2	Gravel	Sand	Silt	Clay	
																42.4	53.4		4.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

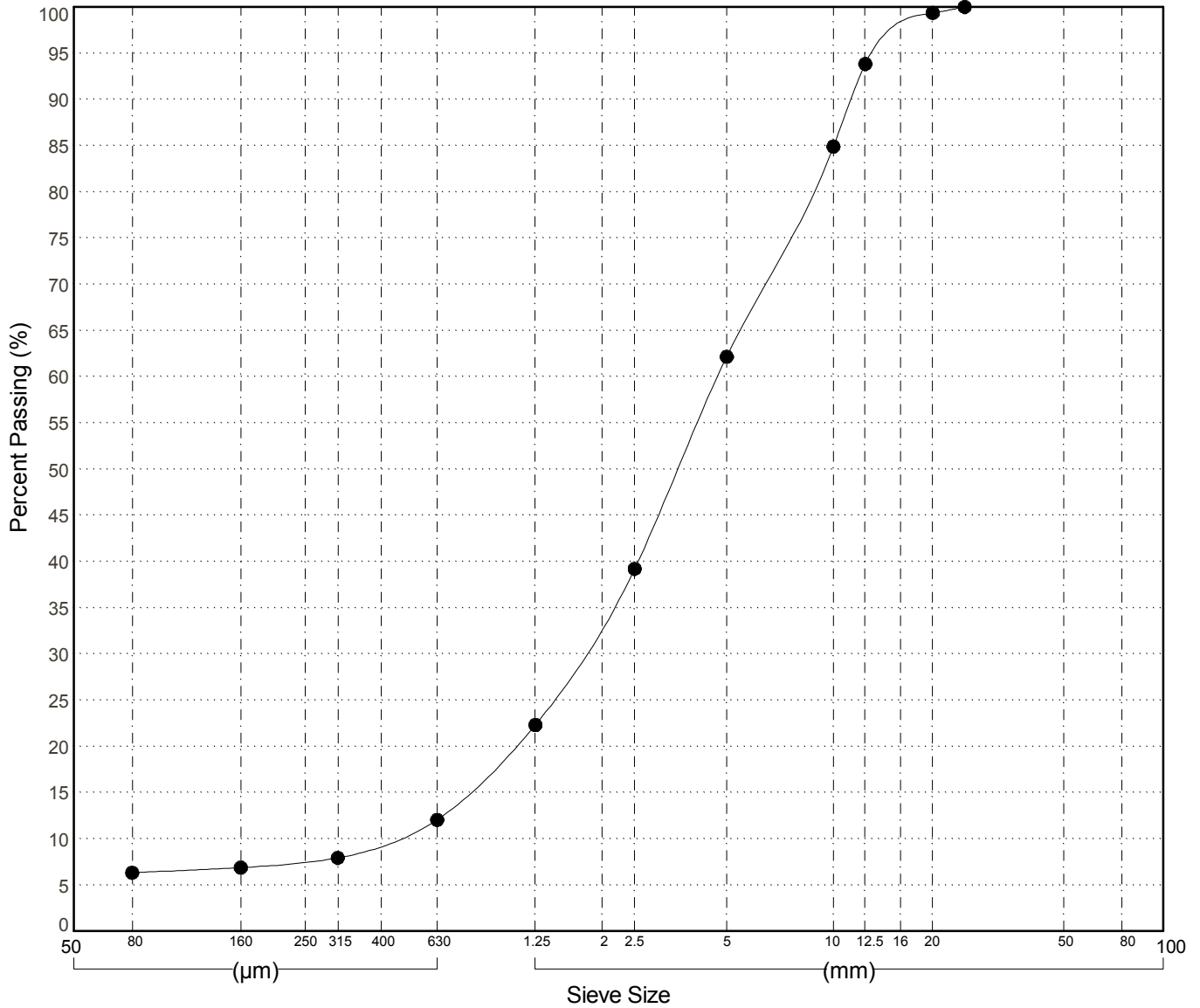


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-12
	388.2	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 12	2016-200	0.0 to 0.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)											4.9	NP	NP	NP	1.5	10.0	0.446
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				
● 12	2016-200	100.0	100.0	100.0	100.0	99.3	93.8	84.9	62.2	39.2	22.3	12.0	7.9	6.9	6.3	Gravel	Sand	Silt	Clay	
																37.8	55.8	6.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

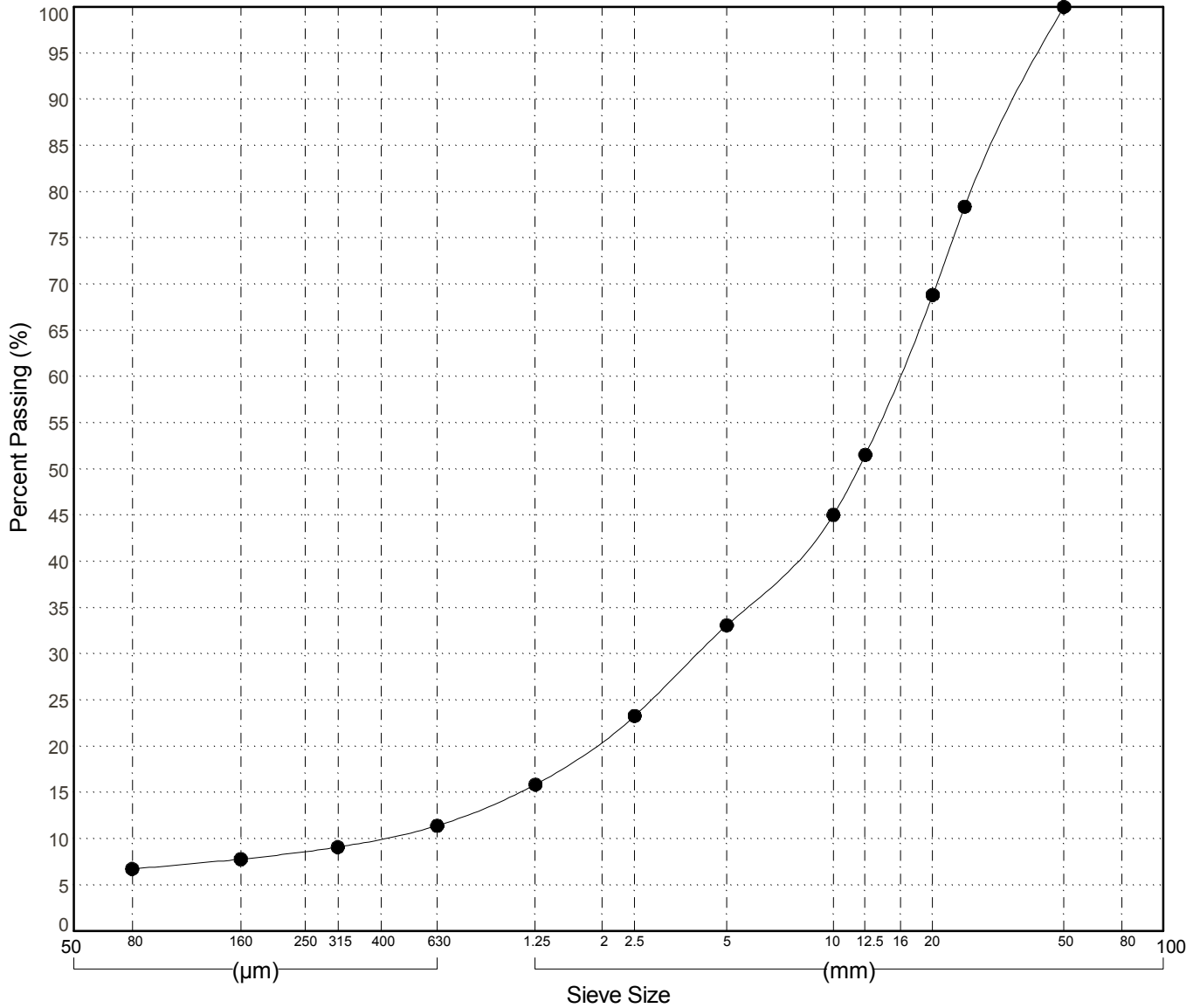


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-13
	390.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 13	2016-201	0.0 to 0.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)											3.4	NP	NP	NP	2.3	38.2	0.412
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	2016-201	100.0	100.0	100.0	78.4	68.8	51.5	45.0	33.1	23.3	15.9	11.4	9.1	7.8	6.7	Gravel	Sand	Silt	Clay	
																66.9	26.3		6.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

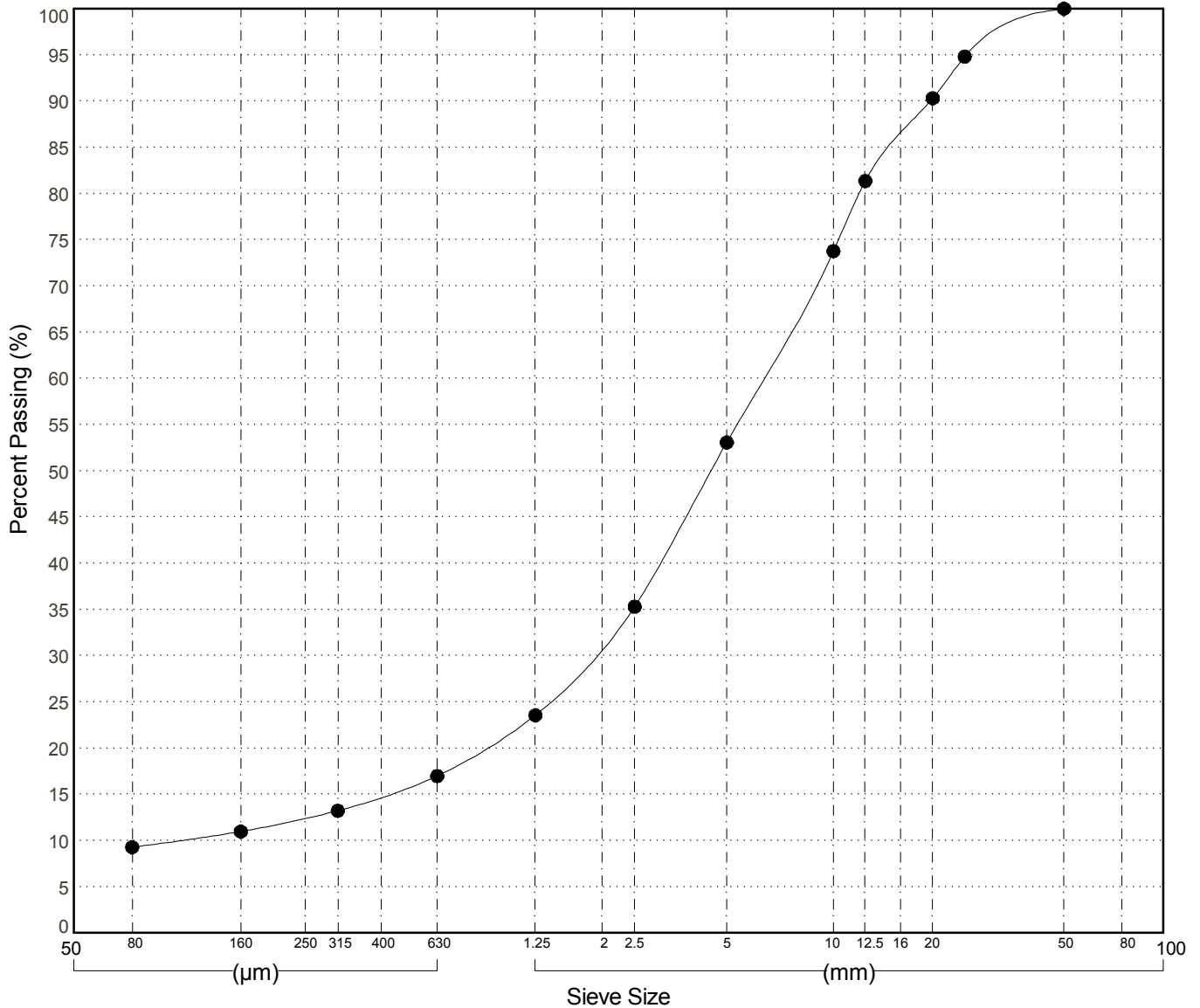


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-14
	390.5	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 14	2016-202	0.0 to 0.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)											5.5	NP	NP	NP	5.3	58.9	0.103
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				
● 14	2016-202	100.0	100.0	100.0	94.8	90.3	81.4	73.8	53.1	35.3	23.6	17.0	13.2	11.0	9.3	Gravel	Sand	Silt	Clay	
																46.9	43.8		9.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

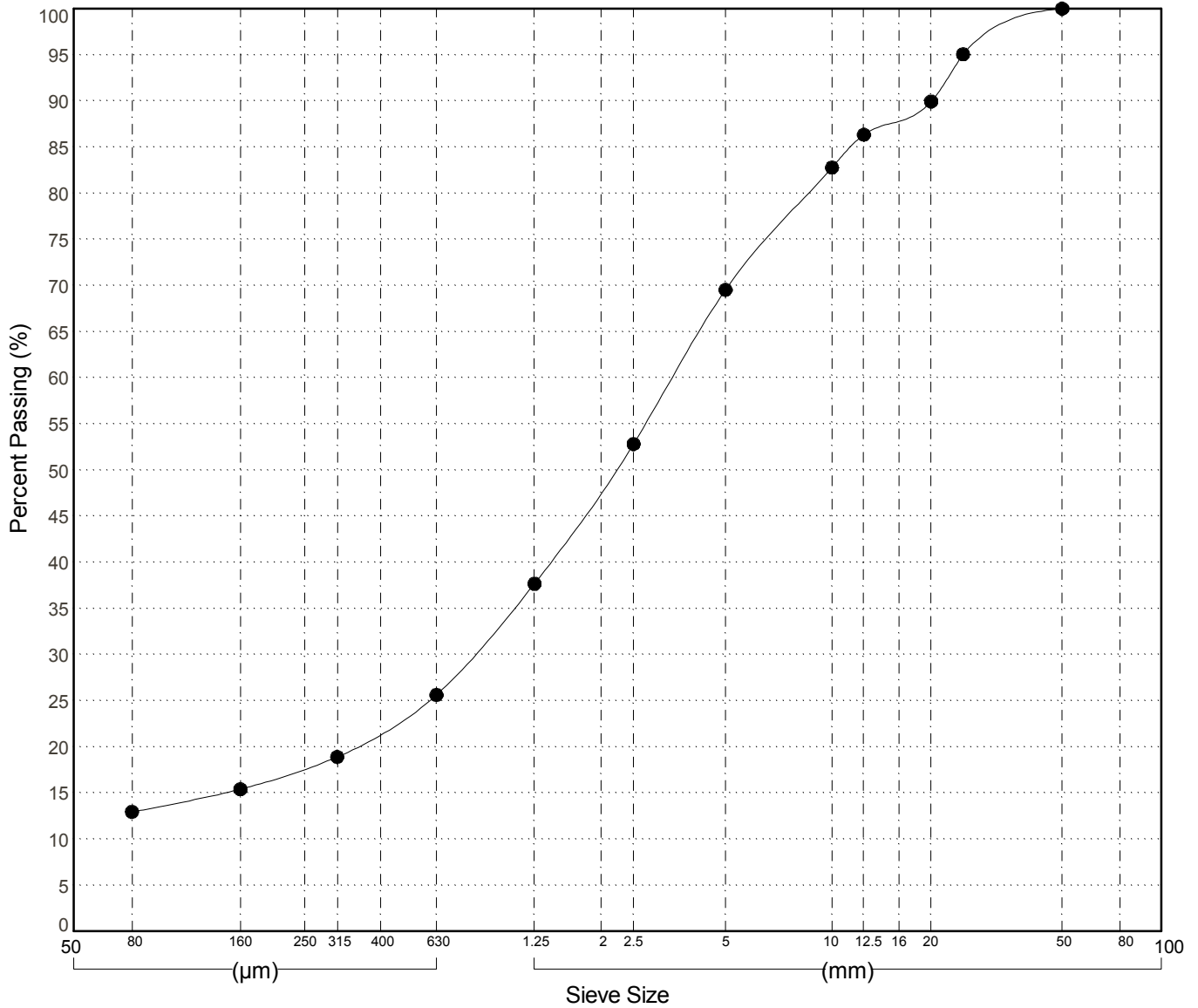


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-15
	383.0	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu	D10
● 15	2016-203	0.0 to 0.0	SILTY SAND with GRAVEL(SM)													4.8	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						
● 15	2016-203	100.0	100.0	100.0	95.1	89.9	86.3	82.8	69.5	52.8	37.7	25.6	18.9	15.4	13.0	Gravel	Sand	Silt	Clay			
																30.5	56.6	13.0				

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

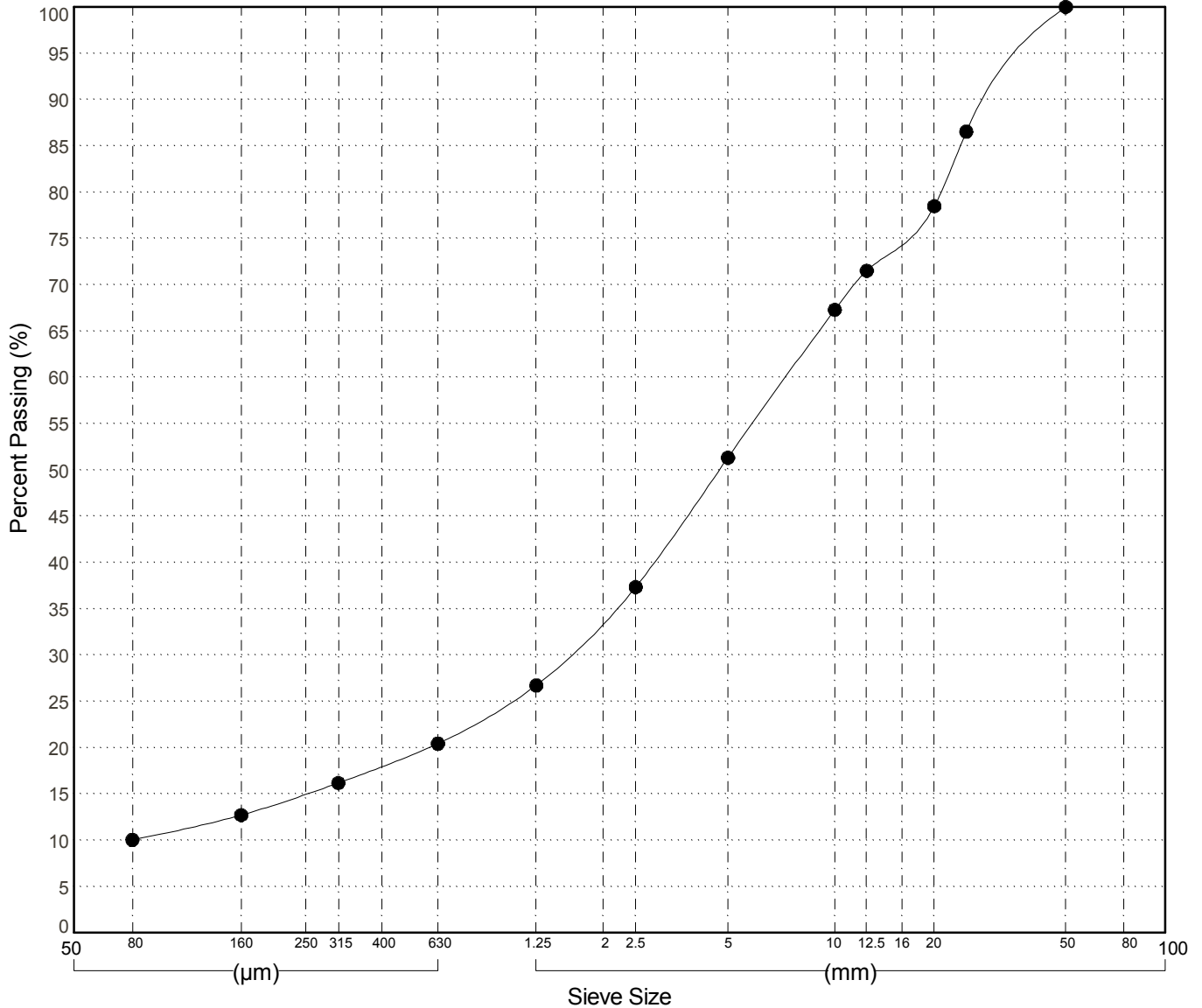


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-16
	382.0	PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification											%H2O	LL	PL	PI	Cc	Cu	D10
● 16	2016-204	0.0 to 0.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)											7.2	NP	NP	NP	4.5	96.1	
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				
● 16	2016-204	100.0	100.0	100.0	86.5	78.5	71.5	67.3	51.3	37.3	26.7	20.4	16.2	12.7	10.0	Gravel	Sand	Silt	Clay	
																48.7	41.3	10.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

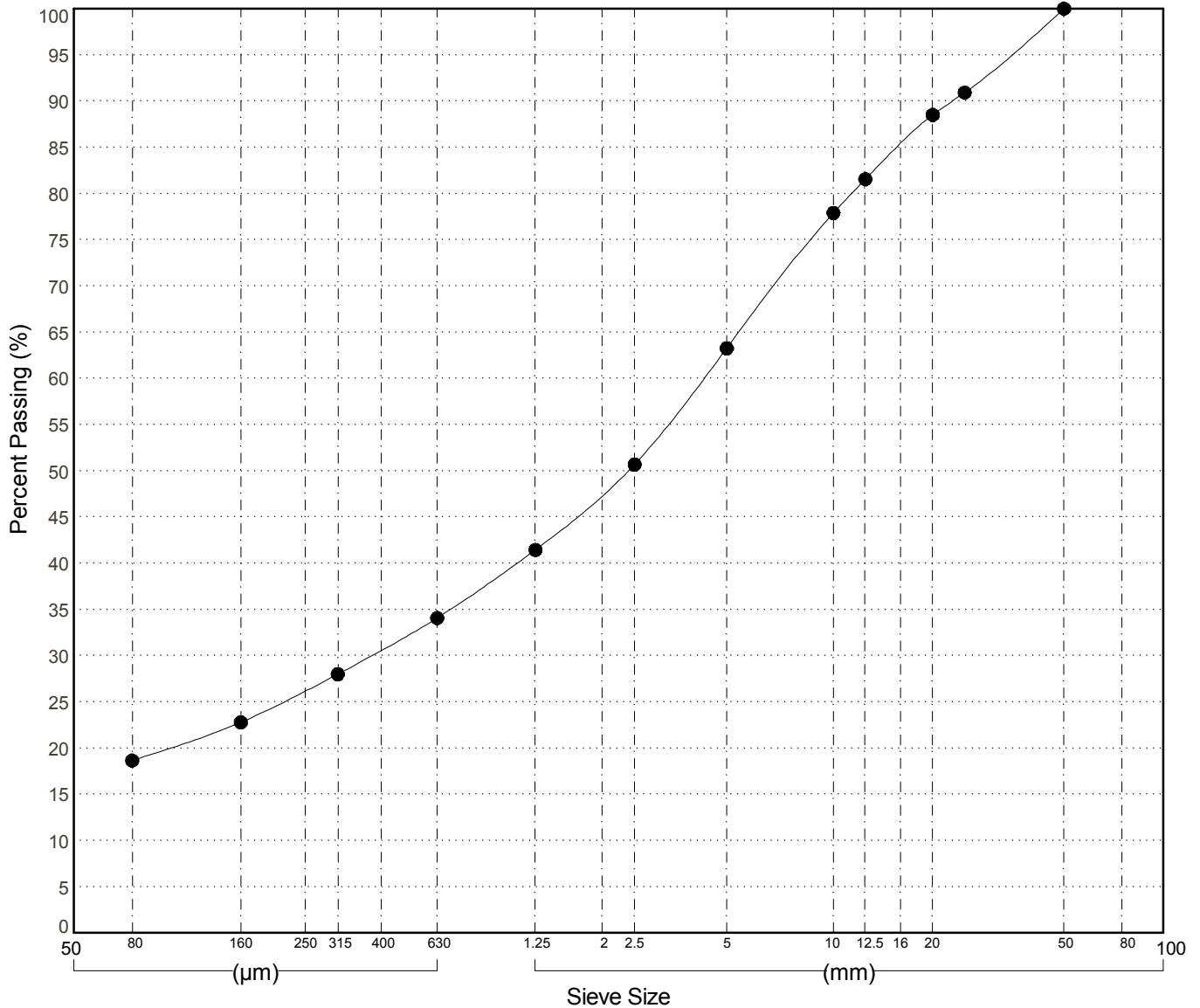


GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-17
		PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu	D10
● 17	2016-205	0.0 to 0.0	SILTY SAND with GRAVEL(SM)													7.8	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						
● 17	2016-205	100.0	100.0	100.0	90.9	88.5	81.5	77.9	63.3	50.7	41.4	34.1	28.0	22.8	18.7	Gravel	Sand	Silt	Clay			
																36.7	44.6		18.7			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	North Canol Surface Tests - various pits	SOURCE/TP#: 894-18
		PROJECT NO: 552-202021-0204-02-1
Manual Sample	Coordinates: Z Nm Em	ELEVATION: m

Master Revised June 2017

Field #	Lab #	Depth	Classification													%H2O	LL	PL	PI	Cc	Cu	D10
● 18	2016-206	0.0 to 0.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)													4.8	NP	NP	NP	2.3	56.2	0.080
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						
● 18	2016-206	100.0	100.0	100.0	95.1	89.6	82.6	77.6	61.4	46.4	34.3	25.3	18.6	13.3	9.7	Gravel	Sand	Silt	Clay			
																38.6	51.7	9.7				

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

