

Testpit	Depth (m)	Description
TP-04-27	0.0	<u>Borrow Area 2 (west portion, south road edge)</u> GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, trace boulders, subangular to rounded, maximum aggregate size 400 mm, damp, grey (Sample at 0.4 – 0.5, M.C. = 8.0%)
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-28	0.0	<u>Borrow Area 2 (centre portion, offset from north road edge)</u> GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, damp to wet, grey
	1.1	END OF TESTPIT – REFUSAL ON BOULDER
TP-04-29	0.0	<u>Borrow Area 2 (west portion, offset from north road edge)</u> ORGANICS - rootlets
	0.1	SAND (TILL) – silty, gravelly, some clay, some cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, wet, grey (Sample at 0.5 – 0.6, M.C. = 9.7%)
	1.15	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-30	0.0	<u>Borrow Area 4 (west portion, offset from south road edge)</u> GRAVEL AND SAND (TILL) – silty, trace to some clay, trace cobbles, subangular to rounded, maximum aggregate size 250 mm, damp, grey
	0.5	Moisture Content increases with depth
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-31	0.0	<u>Borrow Area 4 (center portion, offset from south road edge)</u> GRAVEL AND SAND (TILL) – silty, trace to some clay, trace cobbles, subangular to rounded, maximum aggregate size 200 mm, damp, grey
	1.2	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-32	0.0	<u>Borrow Area 4 (center portion, offset from south road edge)</u> ORGANICS - rootlets
	0.05	GRAVEL AND SAND (TILL) – silty, trace to some clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, damp, grey
	1.15	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-33	0.0	<u>Borrow Area 4 (east portion, offset from south road edge)</u> GRAVEL AND SAND (TILL) – silty, trace to some clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 250 mm, damp, grey
	1.1	END OF TESTPIT – REFUSAL ON PERMAFROST

Testpit	Depth (m)	Description
TP-04-34		<u>Borrow Area 5 (west portion, offset from north road edge)</u>
	0.0	GRAVEL AND SAND (TILL) – silty, trace to some clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 250 mm, damp to wet, grey
	1.1	Water infiltration
	1.15	END OF TESTPIT – REFUSAL ON COBBLES
TP-04-35		<u>Borrow Area 5 (west portion, offset from north road edge)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, trace to some clay, trace to some cobbles, subangular to rounded, maximum aggregate size 200 mm, damp, grey (Sample at 0.4 – 0.5, M.C. = 9.3%)
	1.0	END OF TESTPIT – REFUSAL ON COBBLES
TP-04-36		<u>Borrow Area 5 (west portion, offset from south road edge)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, trace to some clay, trace to some cobbles, trace boulders, subangular to rounded, maximum aggregate size 200 mm, damp to wet, grey
	0.9	Water infiltration
	0.9	END OF TESTPIT – REFUSAL ON BOULDERS
TP-04-37		<u>Borrow Area 5 (west portion, offset from south road edge)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, trace to some clay, trace to some cobbles, trace boulders, subangular to rounded, maximum aggregate size 250 mm, damp to wet, grey
	1.0	Water infiltration
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-38		<u>Borrow Area 5 (west portion, offset from south road edge)</u>
	0.0	ORGANICS - rootlets
	0.05	SAND (TILL) – silty, gravelly, trace clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 250 mm, damp to wet, grey
	1.0	Water infiltration
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-39		<u>Debris Landfill 2 (west portion)</u>
	0.0	SAND and SILT (TILL) – gravelly, some clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, damp to wet, grey
	1.1	END OF TESTPIT – REFUSAL ON PERMAFROST

Testpit	Depth (m)	Description
TP-04-40		<u>Debris Landfill 2 (centre portion)</u>
	0.0	ORGANICS - rootlets
	0.1	SAND and SILT (TILL) – gravelly, some clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 250 mm, damp to wet, grey
	1.2	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-41		<u>Debris Landfill 2 (east portion)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, some clay, trace cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, damp to wet, grey
	1.2	Water infiltration (Sample at 0.3 – 0.4, M.C. = 15.6%)
	1.2	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-42		<u>Debris Landfill 1 (at pt 211 of 1996 layout)</u>
	0.0	ORGANICS - rootlets
	0.05	SAND (TILL) – silty, gravelly, some clay, trace cobbles, subangular to rounded, wet, grey (Sample at 0.2 – 0.3, M.C. = 9.7%) (Sample at 0.8 – 0.9, M.C. = 9.7%)
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-43		<u>Old Camp Area (south portion)</u>
	0.0	ORGANICS - rootlets
	0.05	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, subangular to rounded, maximum aggregate size 250 mm, damp, grey
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-44		<u>Old Camp Area (south portion)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND – trace silt, some cobbles, medium to coarse grained sand, subangular to subrounded, maximum aggregate size 200 mm, wet, brown
	0.4	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, subangular to rounded, maximum aggregate size 250 mm, damp, grey
	1.2	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-45		<u>Old Camp Area (north portion)</u>
	0.0	ORGANICS - rootlets
	0.15	GRAVEL and SAND – cobbly, trace silt, well graded, subangular to subrounded, maximum aggregate size 250 mm, damp to wet, dark brown
	0.3	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, damp, grey
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST

Testpit	Depth (m)	Description
TP-04-46		<u>Old Camp Area (north portion)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, trace boulders, subangular to rounded, maximum aggregate size 450 mm, moist, grey
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-47		<u>Old Camp Area (south portion)</u>
	0.0	ORGANICS - rootlets
	0.05	GRAVEL AND SAND – cobbly, trace silt, well graded, subangular to subrounded, maximum aggregate size 300 mm, damp to wet, dark brown
	0.6	Water infiltration
	1.0	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-48		<u>Old Camp Area (south portion)</u>
	0.0	ORGANICS - rootlets
	0.05	GRAVEL AND SAND – some cobbles, trace silt, well graded, subangular to subrounded, maximum aggregate size 250 mm, damp to wet, dark brown
	0.65	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, trace boulders, subangular to rounded, maximum aggregate size 300 mm, damp, grey (Sample at 0.4 – 0.5)
	1.1	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-49		<u>Old Camp Area (south portion)</u>
	0.0	ORGANICS - rootlets
	0.05	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, subangular to rounded, maximum aggregate size 250 mm, damp, grey
	1.1	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-50		<u>Old Camp Area (north portion)</u>
	0.0	ORGANICS – cobbles, rootlets
	0.15	GRAVEL and SAND – cobbly, trace silt, well graded, subangular to subrounded, maximum aggregate size 250 mm, damp, dark brown
	0.6	GRAVEL AND SAND (TILL) – silty, trace to some clay, some cobbles, subangular to rounded, maximum aggregate size 250 mm, damp, grey
	1.2	END OF TESTPIT – REFUSAL ON PERMAFROST
TP-04-51		<u>Borrow Area 3 (north portion, east of access road)</u>
	0.0	SAND and SILT (TILL) – gravelly, some clay, trace cobbles, occasional boulder, subangular to rounded, low plasticity, damp to wet, grey (Sample at 0.3 – 0.4)
	0.85	Gravel content increases
	1.0	END OF TESTPIT

Testpit	Depth (m)	Description
TP-04-52		<u>Borrow Area 3 (north portion, west of access road)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, some clay, trace cobbles, occasional boulder, subangular to rounded, damp, grey (Sample at 0.3 – 0.45)
	0.85	END OF TESTPIT
TP-04-53		<u>Borrow Area 3 (south portion, east of access road)</u>
	0.0	ORGANICS - rootlets
	0.1	GRAVEL AND SAND (TILL) – silty, some clay, some cobbles, trace boulders, fine grained sand, subangular to rounded, damp, brown (Sample at 0.1 – 0.4)
	0.6	END OF TESTPIT
TP-04-54		<u>Borrow Area 3 (south portion, west of access road)</u>
	0.0	ORGANICS - rootlets
	0.1	SAND AND GRAVEL (TILL) – some silt, trace clay, some cobbles, trace boulders, fine grained sand, subangular to rounded, damp, brown (Sample at 0.4 – 0.5)
	1.0	END OF TESTPIT

**1996 SITE INVESTIGATION (AUGUST 3 TO AUGUST 6)
TESTPIT LOGS**

TP1 West Sarcpa Lake Borrow Area - Small Stockpile at east end of area

0.0 Sand (SW), some gravel, some cobbles, well graded, moist, brown (moisture content 3.6%)

0.4 End of testpit

TP2 West Sarcpa Lake Borrow Area - Native ground adjacent to stockpile at west end of area

0.0 Peat, organics, roots, grass, moist, brown

0.05 Sand and Silt (SW), some gravel, trace cobbles, moist, brown (moisture content 9.3%)

0.4 End of testpit

TP3 Borrow Area at Northwest end of Airstrip

0.0 Silt (Till), sandy, trace gravel, trace clay, trace cobbles, some boulders in vicinity (moisture content 8.3%)

0.3 End of testpit - Refusal on cobble

TP4 Dump A - south east of landfill boundary

0.0 Peat, organics roots, grasses, black, moist

0.05 Silt, sandy, trace clay, trace gravel, some cobbles and boulders in vicinity, wet, brown (moisture content 14.1%)

0.50 End of testpit

TP5 Dump A - east of landfill boundary

- 0.0 Organics, grasses, mosses roots - 6 mm diameter cable buried and intertwined with organic mat
- 0.02 Sand, silty, trace clay, trace gravel, wet, brown (boulders on surface nearby to testpit.
- 0.5 End of testpit - refusal on 200 mm diameter cobble.

Note: scattered debris on ground surface nearby to testpit

TP6 Dump A - 5 m south of landfill grid, up on slope crest

- 0.0 Organics, grasses, roots, blackish brown, moist
- 0.05 Sand, silty, fine grained, trace gravel, dry, brown
- 0.30 Cobble, 250 mm diameter
- 0.50 End of testpit

TP7 Borrow Area - South, Central Airstrip

- 0.0 Sand & Silt (Till), trace gravel, trace clay, occasional boulder, in the area (moisture content 5.7%)
- 0.50 End of testpit - refusal on cobble

Note: Some bedrock outcrops in area

TP8 Borrow - Northeast End of Airstrip

- 0.0 Sand & Gravel (Till), silty, some clay, well graded occasional boulder, in the area (moisture content 5.6%)
- 0.50 End of testpit

TP9 East End of Airstrip - Airstrip Surfacing Material

0.0 Sand & Gravel (Till), some silt, 50 mm minus (moisture content 4.3%)

0.3 End of testpit

Note: some 150 mm cobbles in airstrip surface material

TP10 Proposed Landfill Adjacent to fallen Tower

0.0 Organics, peat, grasses, mosses

0.10 Gravel, trace sand, 50 mm maximum, wet

0.15 Silt and Sand, very wet, grey

0.40 End of testpit, hole sloughing in

TP11 Borrow - East of Station

0.0 Sand & Gravel (Till), silty, some clay, trace cobbles, well graded, moist, brown (moisture content 7.3%, salinity 1ppt)

0.90 Bedrock

0.90 End of testpit

TP12 Borrow - East of Station

0.0 Sand & Gravel (Till), silty, some clay, some cobbles and boulders, well graded, moist, brown

0.90 End of testpit - Note small Kubota excavator had difficult excavating due to cobbles and boulders

TP13 Borrow - East of Station

0.0 Sand & Gravel (Till), silty, some clay, some cobbles and boulders, well graded, moist, brown

0.75 End of testpit - Note small Kubota excavator had difficult excavating due to cobbles and boulders

TP14 Borrow - East of Station

- 0.0 Sand & Gravel (Till), silty, some clay, some cobbles and boulders, well graded, moist, brown
- 0.20 Boulder, 500 mm diameter
- 0.75 Bedrock
- 0.75 End of testpit - Note small Kubota had difficult excavating due to cobbles and boulders

TP15 Potential Landfill - Old Camp

- 0.0 Sand & Gravel, silty, trace clay, trace cobbles, moist, brown (moisture content 6.3%)
- 0.40 End of testpit

Note: Some boulders in area

TP16 Potential Landfill - Old Camp

- 0.0 Sand & Gravel (SM), silty, trace clay, trace cobbles, moist, brown (moisture content 9.3%)
- 0.40 End of testpit

Note: Some boulders in area

TP17 Sand and Gravel Stockpile at Old Camp

- 0.0 Sand & Gravel (GP) trace silt, 100 mm max, clean, moist, pinkish brown (moisture content 1.4%)
- 0.4 End of testpit

TP18 Below Dump B

- 0.0 Organics, grasses, mosses roots
- 0.05 Sand, silty, some gravel, well graded wet, grey brown (boulders and cobbles on surface nearby to testpit.
- 0.4 End of testpit - refusal on 200 mm diameter cobble.

Note: Depths in metres