
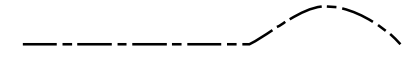
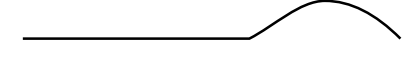
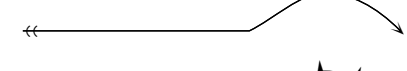
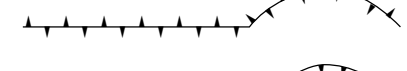
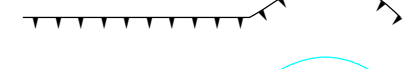


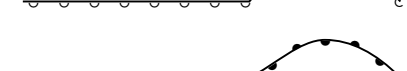
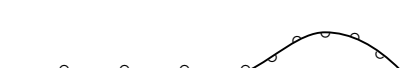
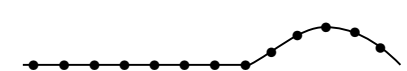
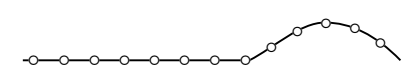




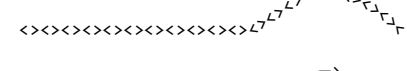
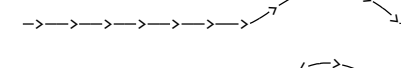
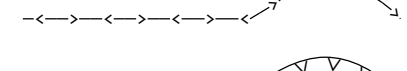
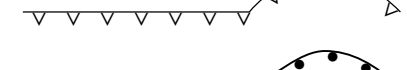
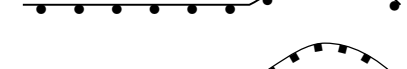

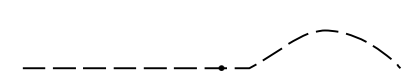
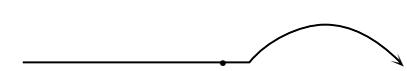
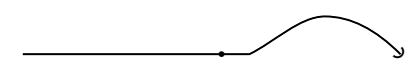
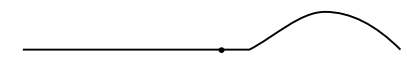
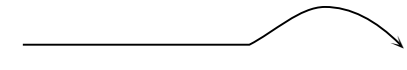
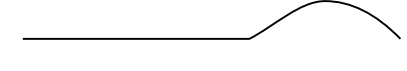
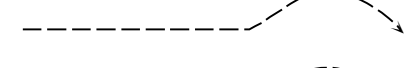
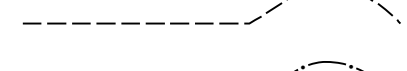
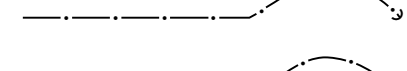
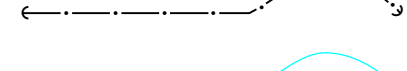











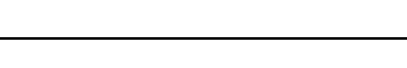




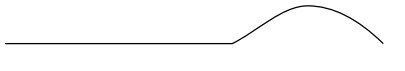
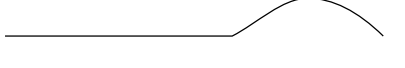
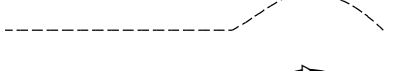
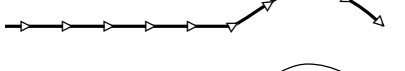
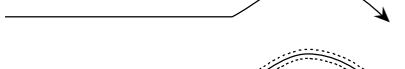
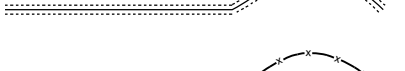
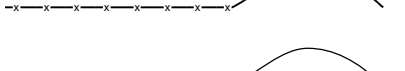




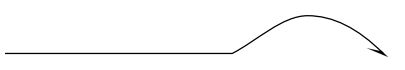
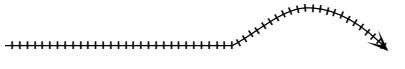
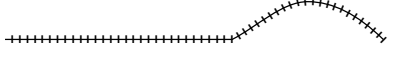

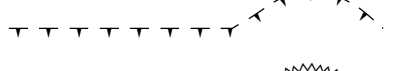
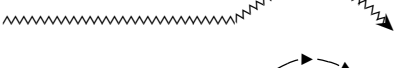
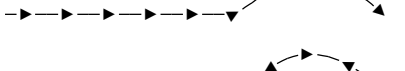
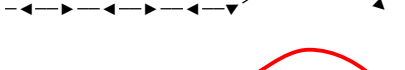






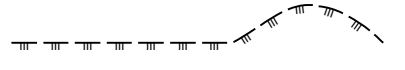










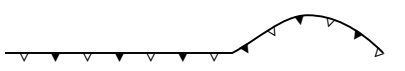




GSC Geologic Symbol Standard Style File - Surficial Symbols

These symbols accompany the GSC Surficial Geodatabase model version 2.1 and is up to date as of August 1st, 2014


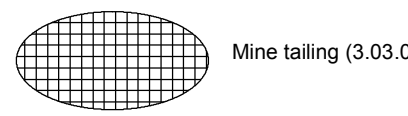
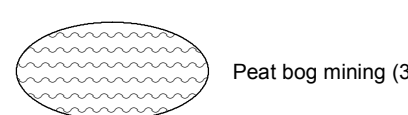
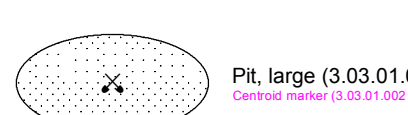










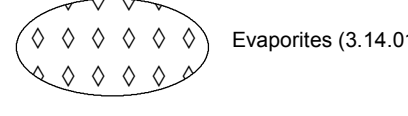
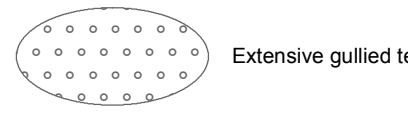

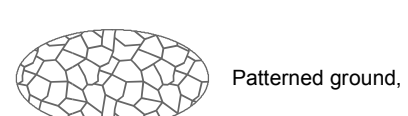


Line Features

	Bedrock scarp (3.04.01.005)
	Lineament, Lineation in bedrock (3.04.01.006)
	Dune crest, large (3.05.01.003)
	Sediment transport direction (3.05.01.004)
	Ardle (3.06.01.003)
	Cirque headwall (3.06.01.004)
	Crevasse squeeze ridge, crevasse fill (3.06.01.005)
	Moraine ridge, major - lateral, laterofrontal (3.06.01.006)
	Moraine ridge, major - ice-cored, lateral, laterofrontal (3.06.01.007)
	Moraine ridge, major, medial (3.06.01.008)
	Moraine ridge, major - ice-cored, medial (3.06.01.009)
	Moraine ridge, major, end, interlobate, unspecified (3.06.01.010)
	Moraine ridge, major - ice-cored, end, interlobate, unspecified (3.06.01.011)
	Other moraine ridge: degeer, minor lateral, rogen, etc. (3.06.01.012)
	Buried esker ridge - known (3.07.01.003)
	Buried esker ridge - unknown (3.07.01.004)
	Esker ridge - known (3.07.01.005)
	Esker ridge - unknown (3.07.01.006)
	Esker ridge (with beach ridges/strandlines) - known (3.07.01.010)
	Esker ridge (with beach ridges/strandlines) - unknown (3.07.01.011)
	Ice-contact terrace scarp (3.07.01.007)
	Ice-pushed ridge (3.07.01.008)
	Ice-thrust ridge (3.07.01.009)
	Buried drumlin ridge (3.08.01.014)
	Buried drumlinoid ridge or fluting (3.08.01.015)
	Crag-and-tail ridge (3.08.01.016)
	Drumlin ridge (3.08.01.017)
	Drumlinoid ridge or fluting (3.08.01.018)
	Fluted bedrock or drift, central long axis - well defined, known (3.08.01.019)
	Fluted bedrock or drift, central long axis - well, defined unknown (3.08.01.020)
	Fluted bedrock or drift, central long axis - poorly defined, known (3.08.01.033)
	Fluted bedrock or drift, central long axis - poorly defined, unknown (3.08.01.034)
	Large groove, central long axis - known (3.08.01.021)
	Large groove, central long axis - unknown (3.08.01.022)
	Ice-flow direction - known (3.08.01.024)
	Ice-flow direction - unknown (3.08.01.025)
	Geological contact: defined (3.02.01.001)
	Geological contact: approximate (3.02.01.002)
	Geological contact: inferred (3.02.01.003)
	Geological contact: concealed (3.02.01.004)
	Geological contact: arbitrary (2.01.01.011)
	Geological contact coincident with other feature: defined (2.01.01.002)
	Geological contact coincident with other feature: approximate (2.01.01.003)
	Geological contact coincident with other feature: inferred (2.01.01.004)
	Geological contact coincident with other feature: concealed (2.01.01.005)

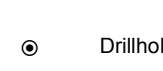
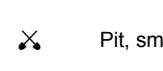
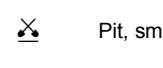
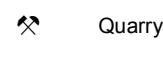
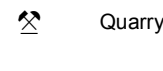
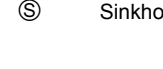
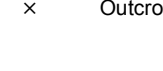
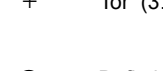
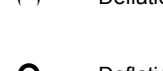



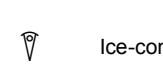
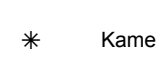
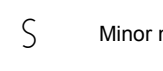
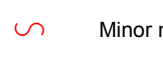
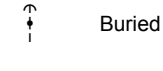
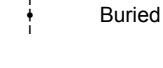
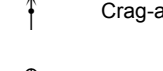

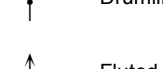


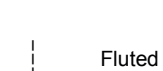
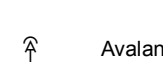



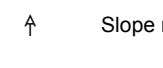
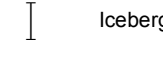

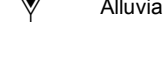
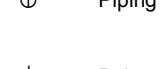
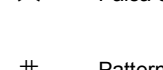

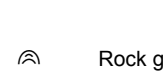

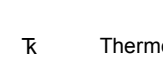


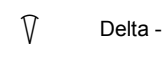
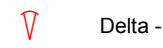

Line Features

	Limit of mapping (3.02.01.005)
	Limit of mapping - neatline (3.02.01.006)
	Landslide escarpment - active (3.09.01.006)
	Landslide escarpment - inactive (3.09.01.007)
	Avalanche track, large (3.09.01.008)
	Debris flow track, large (3.09.01.009)
	Tension fracture (3.09.01.010)
	Alluvial bar or levee ridge (3.14.01.009)
	Iceberg scour, central axis (3.14.01.010)
	Ravine scarp (3.14.01.011) <i>Opposite side must be digitized in other direction using same symbol</i>
	Geomorphological line - to be defined (2.01.01.001)
	Meltwater channel scarp, major (3.10.01.005) <i>Opposite side must be digitized in other direction using same symbol</i>
	Meltwater channel, minor - lateral uphill left (3.10.01.006)
	Meltwater channel, minor - lateral uphill right (3.10.01.007)
	Meltwater channel, minor - known (3.10.01.008)
	Meltwater channel, minor - unknown (3.10.01.009)
	Paleodrainage direction (3.10.01.010)
	Partly buried channel scarp (3.10.01.011) <i>Opposite side must be digitized in other direction using same symbol</i>
	Spillway, central axis (3.10.01.012)
	Buried valley, central axis - known (3.10.01.013)
	Buried valley, central axis - unknown (3.10.01.014)
	Ice divide - defined (3.11.01.001)
	Ice divide - approximate (3.11.01.002)
	Ice stream margin - defined (3.11.01.003) <i>Opposite side must be digitized in other direction using same symbol</i>
	Ice stream margin - approximate (3.11.01.004) <i>Opposite side must be digitized in other direction using same symbol</i>
	Limit of glaciation - defined (3.11.01.005)
	Limit of glaciation - approximate (3.11.01.006)
	Limit of submergence, glaciolacustrine - defined (3.11.01.007)
	Limit of submergence, glaciolacustrine - approximate (3.11.01.008)
	Limit of submergence, glaciomarine - defined (3.11.01.009)
	Limit of submergence, glaciomarine - approximate (3.11.01.010)
	Limit of submergence, lacustrine - defined (3.11.01.011)
	Limit of submergence, lacustrine - approximate (3.11.01.012)
	Limit of submergence, marine - defined (3.11.01.013)
	Limit of submergence, marine - approximate (3.11.01.014)
	Cryoplanation terrace scarp (3.12.01.014)
	Limit of permafrost (3.12.01.015) <i>Multiple lines require digitized manually</i>
	Beach crest (3.13.01.002) <i>Multiple lines require digitized manually</i>
	Terrace scarp (3.13.01.004)
	Pre-existing coastline (3.13.01.011)
	Subglacial meltwater corridor margin - defined (3.10.01.015) <i>Opposite side must be digitized in other direction using same symbol</i>
	Subglacial meltwater corridor margin - approximate (3.10.01.016) <i>Opposite side must be digitized in other direction using same symbol</i>








































Area Features

	Made ground (fill) (3.03.01.006)
	Mine tailing (3.03.01.007)
	Peat bog mining (3.03.01.008)
	Pit, large (3.03.01.009) <i>Central marker (3.03.01.004 or 3.03.01.005) must be added manually</i>
	Quarry, large (3.03.01.010) <i>Central marker (3.03.01.004 or 3.03.01.005) must be added manually</i>
	Area of sinkholes (3.04.01.007)
	Active dune field (3.05.01.005)
	Eolian lag deposit (deflation surface) (3.05.01.006)
	Kettle, large (3.06.01.013) <i>Central marker (3.06.01.004 or 3.06.01.005) must be added manually</i>
	Recently deglaciated area (3.06.01.014) <i>Only pattern used within of particular unit</i>
	Lag deposits (3.14.01.013)
	Reworked sediments (3.14.01.014)
	Surface boulder concentration (3.14.01.015)
	Evaporites (3.14.01.017)
	Extensive gullied terrain (3.14.01.005)
	Geomorphological polygon - to be defined (2.01.01.009)
	Patterned ground, large (3.12.01.016)
	Thermokarst depression, large (3.12.01.017) <i>Central marker (3.12.01.004 or 3.12.01.005) must be added manually</i>
	Nivation hollow (3.12.01.020) <i>Central marker (3.12.01.004 or 3.12.01.005) must be added manually</i>
	Felsenmeer, large (3.12.01.023)

Point Features

	Drillhole location (3.03.01.001)
	Pit, small: active (3.03.01.002)
	Pit, small: inactive (3.03.01.003)
	Quarry, small: active (3.03.01.004)
	Quarry, small: inactive (3.03.01.005)
	Sinkhole, small (3.04.01.001)
	Outcrop, small (3.04.01.002)
	Tor (3.04.01.003)
	Deflation landform - known (3.05.01.001)
	Deflation landform - unknown (3.05.01.007)
	Dune crest, small, known - airphoto observation (3.05.01.008)
	Dune crest, small, unknown - airphoto observation (3.05.01.009)
	Kettle, small (3.06.01.001)
	Ice-contact delta (3.07.01.001)
	Kame (3.07.01.002)
	Minor moraine, small, known - airphoto observation (3.06.01.015)
	Minor moraine, small, unknown - airphoto observation (3.06.01.017)
	Buried drumlin, small (3.08.01.001)
	Crag-and-tail, small (3.08.01.003)
	Drumlin, small (3.08.01.004)
	Drumlinoid, small (3.08.01.005)
	Fluted bedrock or drift, small, well defined, known - airphoto observation (3.08.01.006)
	Fluted bedrock or drift, small, well defined, unknown - airphoto observation (3.08.01.007)
	Fluted bedrock or drift, small, poorly defined, known - airphoto observation (3.08.01.029)
	Fluted bedrock or drift, small, poorly defined, unknown - airphoto observation (3.08.01.030)
	Avalanche track (3.09.01.001)
	Debris flow track (3.09.01.002)
	Landslide scar (3.09.01.003)
	Retrogressive thaw flow (3.09.01.004)
	Slope movement, unspecified (3.09.01.005)
	Iceberg scour, small (3.14.01.001)
	Geomorphological point - to be defined (2.01.01.006)
	Alluvial fan (3.10.01.001)
	Piping depression (3.10.01.002)
	Palisa or lithalsa (3.12.01.001)
	Patterned ground, small - airphoto observation (3.12.01.002)
	Pingo - airphoto observation (3.12.01.003)
	Rock glacier - airphoto observation (3.12.01.004)
	Rock pingo - airphoto observation (3.12.01.005)
	Thermokarst depression, small - airphoto observation (3.12.01.006)
	Felsenmeer, small - airphoto observation (3.12.01.024)
	Delta - known (3.13.01.001)
	Delta - unknown (3.13.01.010)

Field Observation Features

	Paleowind measurement location (3.05.01.002)
	Dune observation location - known (3.05.01.010)
	Dune observation location - unknown (3.05.01.011)
	Minor moraine measurement location, small, known (3.06.01.016)
	Fluted bedrock or drift, small, well defined, known - measurement location (3.08.01.027)
	Fluted bedrock or drift, small, well defined, unknown - measurement location (3.08.01.028)
	Fluted bedrock or drift, small, poorly defined, known - field observation (3.08.01.031)
	Fluted bedrock or drift, small, poorly defined, unknown - field observation (3.08.01.032)
	Striation measurement location - poorly defined, known (3.08.01.008)
	Striation measurement location - poorly defined, unknown (3.08.01.009)
	Striation measurement location - well defined, known (3.08.01.010)
	Striation measurement location - well defined, unknown (3.08.01.011)
	Striation measurement location from legacy data - poorly defined, known - Option 2 (3.08.01.035)
	Striation measurement location from legacy data - poorly defined, unknown - Option 2 (3.08.01.036)
	Striation measurement location from legacy data - well defined, known - Option 2 (3.08.01.037)
	Striation measurement location from legacy data - well defined, unknown - Option 2 (3.08.01.038)
	Till fabric measurement location - known (3.08.01.012)
	Till fabric measurement location - unknown (3.08.01.026)
	Erratic observation location (3.14.01.002)
	Fossil observation location (3.14.01.003)
	Gossan observation location (3.14.01.004)
	Sample location (3.14.01.006) <small>Sample location - description (3.03.01.007) must be added manually</small>
	Station location - ground observation or stratigraphic section (3.14.01.007)
	Station location - remote observation, waypoint, unspecified (3.14.01.008)
	Field observation point - to be defined (2.01.01.007)
	Dated sample location (3.14.01.018) <small>Dated sample location - annotation (3.03.01.019) must be added manually</small>
	Paleocurrent measurement location - sediments (3.10.01.003)
	Paleocurrent measurement location - bedrock erosional forms (3.10.01.004)
	Patterned ground observation location, small (3.12.01.007)
	Pingo observation location (3.12.01.008)
	Rock glacier observation location (3.12.01.009)
	Rock pingo observation location (3.12.01.010)
	Thermokarst depression observation location, small (3.12.01.011)
	Rock blister observation location (3.12.01.012)
	Rock burst observation location (3.12.01.013)
	Gelfluction lobe or solifluction lobe observation location (3.12.01.018)
	Ground ice observation location (3.12.01.019)
	Felsenmeer observation location, small (3.12.01.025)
	Spring observation location (3.14.01.012)