
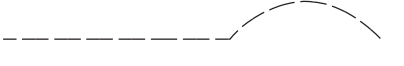
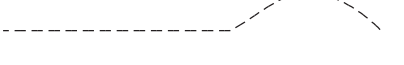
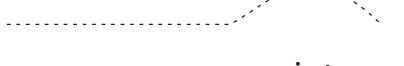

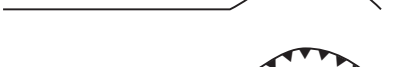



















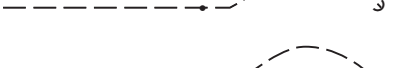



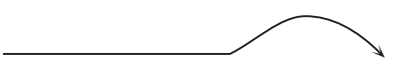
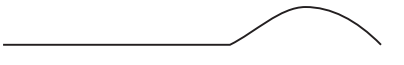
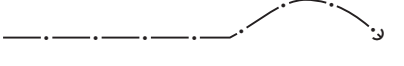
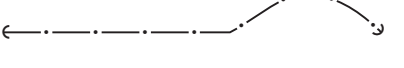


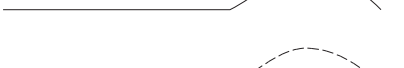








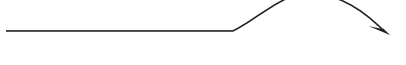


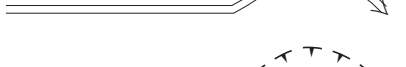





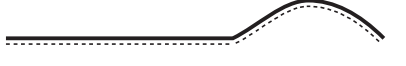


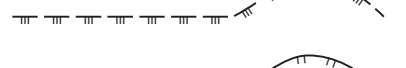







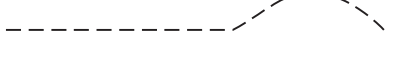






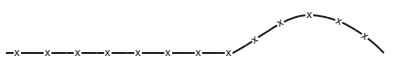

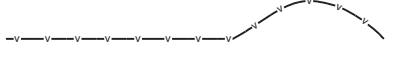






# GSC - Surficial Symbols



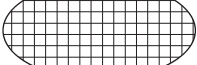






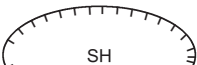








## Line Features

	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)
	Limit of mapping (3.02.01.005)
	Map neatline (3.02.01.006)
	Bedrock scarp (3.04.01.005)
	Lineament / Lineation in bedrock (3.04.01.006)
	Dune crest (3.05.01.003)
	Sediment transport direction (3.05.01.004)
	Arete (3.06.01.003)
	Cirque headwall (3.06.01.004)
	Crevasse ridge (3.06.01.005)
	Moraine ridge, major: lateral (3.06.01.006)
	Moraine ridge, major: lateral ice-cored (3.06.01.007)
	Moraine ridge, major: medial (3.06.01.008)
	Moraine ridge, major: medial ice-cored (3.06.01.009)
	Moraine ridge, major: end (3.06.01.010)
	Moraine ridge, major: end ice-cored (3.06.01.011)
	Moraine ridge, minor (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)
	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, central long axis - known (3.08.01.019)
	Fluted bedrock, central long axis - unknown (3.08.01.020)
	Groove, large - known (3.08.01.021)
	Groove, large - unknown (3.08.01.022)
	Ice-flow direction - known (3.08.01.024)
	Ice-flow direction - unknown (3.08.01.025)
	Landslide escarpment - active (3.09.01.006)
	Landslide escarpment - inactive (3.09.01.007)
	Slope movement feature - avalanche track, large (3.09.01.008)
	Slope movement feature - debris flow track, large (3.09.01.009)
	Tension fracture (3.09.01.010)







































## Line Features

	Meltwater channel, major (3.10.01.005) <i>Opposite side must be digitized in other direction using same symbol</i>
	Meltwater channel, minor - lateral left (3.10.01.006)
	Meltwater channel, minor - lateral 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 (3.10.01.012)
	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)
	Beach crest (3.13.01.002) <i>Multiple lines must be digitized manually</i>
	Terrace scarp - glacioluvial (3.13.01.003)
	Terrace scarp - fluvial (3.13.01.004)
	Terrace scarp - glaciolacustrine (3.13.01.005)
	Terrace scarp - lacustrine (3.13.01.006)
	Terrace scarp - glaciomarine (3.13.01.007)
	Terrace scarp - marine (3.13.01.008)
	Terrace scarp - unspecified (3.13.01.009)
	Alluvial bar or levee (3.14.01.009)
	Iceberg scour (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)




























## Area Features

	Made ground (3.03.01.006)
	Mine tailing (3.03.01.007)
	Peat bog mining (3.03.01.008)
	Pit, large (3.03.01.009) <i>Centroid marker (3.03.01.002 or 3.03.01.003) must be added manually</i>
	Quarry, large (3.03.01.010) <i>Centroid marker (3.03.01.004 or 3.03.01.005) must be added manually</i>
	Sinkhole, large (3.04.01.007) <i>Centroid marker (3.04.01.004) must be added manually</i>
	Active dune field (3.05.01.005)
	Eolian lag deposit - deflation surface (3.05.01.006)
	Kettle, large (3.06.01.013) <i>Centroid marker (3.06.01.002) must be added manually</i>
	Recently deglaciated area (3.06.01.014) <i>White pattern over colour of geological unit</i>
	Patterned ground, large (3.12.01.016)
	Thermokarst depression, large (3.12.01.017) <i>Centroid marker (3.12.01.006) must be added manually</i>
	Nivation hollow (3.12.01.020) <i>Centroid marker (3.12.01.021) must be added manually</i>
	Felsenmeer (3.14.01.012)
	Lag deposit - boulder lag (3.14.01.013)
	Lag deposit - washed scoured lag (3.14.01.014)
	Surface boulder concentration (3.14.01.015)
	Geomorphological polygon - to be defined (2.04.02.002)










## 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)
	Kettle, small (3.06.01.001)
	Ice-contact delta (3.07.01.001)
	Kame (3.07.01.002)
	Buried drumlin, small (3.08.01.001)
	Buried drumlinoid, small (3.08.01.002)
	Crag-and-tail, small (3.08.01.003)
	Drumlin, small (3.08.01.004)
	Drumlinoid, small (3.08.01.005)
	Fluted bedrock, small, known - airphoto observation (3.08.01.006)
	Fluted bedrock, small, unknown - airphoto observation (3.08.01.007)
	Slope movement feature - avalanche track (3.09.01.001)
	Slope movement feature - debris flow (3.09.01.002)
	Slope movement feature - landslide scar (3.09.01.003)
	Slope movement feature - retrogressive thaw flow (3.09.01.004)
	Slope movement feature - unspecified (3.09.01.005)
	Alluvial fan (3.10.01.001)
	Piping depression (3.10.01.002)
	Palsa 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)
	Delta - known (3.13.01.001)
	Delta - unknown (3.13.01.010)
	Gelifluction or solifluction lobe - airphoto observation (3.12.01.022)
	Iceberg scour - small (3.14.01.001)
	Geomorphological point - to be defined (2.02.01.001)


## Field Observation Features

	Paleowind measurement (3.05.01.002)
	Ice-flow measurement, striation - poorly defined, known (3.08.01.008)
	Ice-flow measurement, striation - poorly defined, unknown (3.08.01.009)
	Ice-flow measurement, striation - well defined, known (3.08.01.010)
	Ice-flow measurement, striation - well defined, unknown (3.08.01.011)
	Ice-flow measurement, till fabric - known (3.08.01.012)
	Ice-flow measurement, till fabric - unknown (3.08.01.026)
	Paleocurrent measurement - sediments (3.10.01.003)
	Paleocurrent measurement - bedrock erosional forms (3.10.01.004)
	Patterned ground, small - field observation (3.12.01.007)
	Pingo - field observation (3.12.01.008)
	Rock glacier - field observation (3.12.01.009)
	Rock pingo - field observation (3.12.01.010)
	Thermokarst depression, small - field observation (3.12.01.011)
	Rock blister - field observation (3.12.01.012)
	Rock burst - field observation (3.12.01.013)
	Gelifluction or solifluction lobe - field observation (3.12.01.018)
	Ground ice observation (3.12.01.019)
	Erratic observation (3.14.01.002)
	Fossil observation (3.14.01.003)
	Gossan observation (3.14.01.004)
	Sample location (3.14.01.006) <i>Text (2.04.01.006) must be added manually</i>
	Station location - ground observation (3.14.01.007)
	Station location - remote observation (3.14.01.008)
	Fluted bedrock, small, known - field observation (3.08.01.027)
	Fluted bedrock, small, unknown - field observation (3.08.01.028)
	Field observation point - to be defined (2.02.01.002)

## Legend Symbols

	Ice-flow measurement - crossed Striae (3.15.01.001) <i>Relative Age annotation (3.08.01.023) must be added manually</i>
	Dune crest (3.15.01.002)
	Moraine ridge - other (3.15.01.003)
	Landslide escarpment - active (3.15.01.004)
	Landslide escarpment - inactive (3.15.01.005)
	Ravine scarp (3.15.01.006)
	Meltwater channel - major (3.15.01.007)
	Partly buried channel scarp (3.15.01.008)
	Beach crest (3.15.01.009)

## Unit Colours

	Colluvial deposits: apron or talus (3.01.01.097)		Glaciomarine sediments: beach (3.01.09.487)
	Colluvial deposits: fan sediments (3.01.01.107)		Glaciomarine sediments: deltaic (3.01.09.525)
	Colluvial deposits: landslide (3.01.01.155)		Glaciomarine sediments: littoral and nearshore (3.01.09.513)
	Colluvial deposits: rock-glacier (3.01.01.139)		Glaciomarine sediments: submarine moraine (3.01.09.517)
	Colluvial deposits: veneer (3.01.01.092)		Glaciomarine sediments: offshore, blanket (3.01.09.485)
	Colluvial deposits: blanket (3.01.01.095)		Glaciomarine sediments: veneer (3.01.09.483)
	Colluvial deposits: undifferentiated (3.01.01.152)		Glaciomarine sediments: undifferentiated (3.01.09.515)
	Organic deposits: fen (3.01.02.011)		Glaciomarine sediments: submarine outwash fan (3.01.09.527)
	Organic deposits: salt marsh (3.01.02.015)		Glaciomarine sediments: intertidal sediments (3.01.09.512)
	Organic deposits: bog (3.01.02.013)		Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.615)
	Organic deposits: undifferentiated (3.01.02.012)		Glaciolacustrine sediments: deltaic (3.01.08.613)
	Eolian sediments: veneer (3.01.03.292)		Glaciolacustrine sediments: beach (3.01.08.645)
	Eolian sediments: dunes (3.01.03.299)		Glaciolacustrine sediments: subaqueous moraine (3.01.08.617)
	Eolian sediments: loess (3.01.03.295)		Glaciolacustrine sediments: offshore, blanket (3.01.08.647)
	Eolian sediments: undifferentiated (3.01.03.297)		Glaciolacustrine sediments: veneer (3.01.08.642)
	Alluvial sediments: floodplain (3.01.04.265)		Glaciolacustrine sediments: littoral and nearshore (3.01.08.612)
	Alluvial sediments: fan sediments (3.01.04.257)		Glaciolacustrine sediments: undifferentiated (3.01.08.643)
	Alluvial sediments: intertidal or estuarine (3.01.04.255)		Glaciofluvial sediments: terraced (3.01.07.249)
	Alluvial sediments: terraced (3.01.04.269)		Glaciofluvial sediments: esker (3.01.07.229)
	Alluvial sediments: undifferentiated (3.01.04.263)		Glaciofluvial sediments: subaqueous outwash fan (3.01.07.225)
	Alluvial sediments: blanket (3.01.04.267)		Glaciofluvial sediments: hummocky (3.01.07.215)
	Alluvial sediments: veneer (3.01.04.252)		Glaciofluvial sediments: ice-contact (3.01.07.217)
	Lacustrine sediments: littoral and nearshore (3.01.05.573)		Glaciofluvial sediments: veneer (3.01.07.223)
	Lacustrine sediments: deep water, blanket (3.01.05.575)		Glaciofluvial sediments: undifferentiated (3.01.07.235)
	Lacustrine sediments: veneer (3.01.05.572)		Glaciofluvial sediments: subaerial outwash plain (3.01.07.245)
	Lacustrine sediments: undifferentiated (3.01.05.583)		Glaciofluvial sediments: blanket (3.01.07.247)
	Lacustrine sediments: deltaic (3.01.05.585)		Glacial sediments: moraine (3.01.10.377)
	Lacustrine sediments: beach (3.01.05.582)		Glacial sediments: ridged moraine (3.01.10.385)
	Marine sediments: beach (3.01.06.497)		Glacial sediments: hummocky till (3.01.10.375)
	Marine sediments: littoral and nearshore (3.01.06.493)		Glacial sediments: streamlined till (3.01.10.387)
	Marine sediments: offshore, blanket (3.01.06.505)		Glacial sediments: rock-glacierized moraine (3.01.10.357)
	Marine sediments: veneer (3.01.06.502)		Glacial sediments: blanket (3.01.10.359)
	Marine sediments: undifferentiated (3.01.06.503)		Glacial sediments: veneer (3.01.10.355)
	Marine sediments: intertidal (3.01.06.492)		Glacial sediments: undifferentiated (3.01.10.373)
	Marine sediments: deltaic (3.01.06.507)		Weathering deposits: residual veneer (3.01.11.175)
	Marine sediments: terraced (3.01.06.495)		Weathering deposits: undifferentiated (3.01.11.177)
	Glacier-icefield-icecap: snow packs (3.01.15.001)		Bedrock: undifferentiated (3.01.13.185)
	Glacier-icefield-icecap: undifferentiated (3.01.15.002)		Bedrock: sedimentary (3.01.13.192)
	Anthropogenic (3.01.14.343)		Bedrock: igneous (3.01.13.187)
	Map unit polygon - to be defined (2.04.02.003)		Bedrock: metamorphic (3.01.13.183)
	Unmapped area (2.04.02.001)		Undifferentiated deposits: undifferentiated (3.01.12.082)