

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)
	Beach crest (3.13.01.002) <i>Multiple lines must be digitized manually</i>
	Terrace scarp - glaciolacustrine (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>
	To be defined (3.99.01.003)

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 (3.12.01.006) must be added manually</i>
	Feisenmeer (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)
	To be defined (3.99.01.004)

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)
	Blowout (3.05.01.001)
	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 (3.08.01.006)
	Fluted bedrock, small - unknown (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)
	To be defined - airphoto observation (3.99.01.002)

Field Observation Features

	Paleowind measurement (3.05.01.002)
	Ice-flow measurement, poorly defined - known (3.08.01.008)
	Ice-flow measurement, poorly defined - unknown (3.08.01.009)
	Ice-flow measurement, well defined - known (3.08.01.010)
	Ice-flow measurement, 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>Top (3.14.01.005) must be added manually</i>
	Station location - ground observation (3.14.01.007)
	Station location - remote observation (3.14.01.008)
	To be defined - field observation (3.99.01.001)

Legend Symbols

	Ice-flow measurement - crossed Striae (3.15.01.001) <i>Relative Age annotation (3.09.01.023) 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

	Ca	Colluvial deposits: apron or talus (3.01.01.156)
	Cf	Colluvial deposits: fan sediments (3.01.01.289)
	Cz	Colluvial deposits: landslide (3.01.01.378)
	Cg	Colluvial deposits: rock-glacier (3.01.01.358)
	Cv	Colluvial deposits: veneer (3.01.01.258)
	Cb	Colluvial deposits: blanket (3.01.01.389)
	C	Colluvial deposits: undifferentiated (3.01.01.489)
	Owf	Organic deposits: fen (3.01.02.992)
	Ows	Organic deposits: salt marsh (3.01.02.994)
	Owb	Organic deposits: bog (3.01.02.993)
	O	Organic deposits: undifferentiated (3.01.02.222)
	Ev	Eolian sediments: veneer (3.01.03.115)
	Er	Eolian sediments: dunes (3.01.03.125)
	Ei	Eolian sediments: loess (3.01.03.128)
	E	Eolian sediments: undifferentiated (3.01.03.135)
	Ap	Alluvial sediments: floodplain (3.01.04.018)
	Af	Alluvial sediments: fan sediments (3.01.04.003)
	Ai	Alluvial sediments: intertidal or estuarine (3.01.04.119)
	At	Alluvial sediments: terraced (3.01.04.006)
	A	Alluvial sediments: undifferentiated (3.01.04.009)
	Ab	Alluvial sediments: blanket (3.01.04.005)
	Av	Alluvial sediments: veneer (3.01.04.002)
	Ln	Lacustrine sediments: littoral and nearshore (3.01.05.331)
	Lb	Lacustrine sediments: deep water, blanket (3.01.05.441)
	Lv	Lacustrine sediments: veneer (3.01.05.221)
	L	Lacustrine sediments: undifferentiated (3.01.05.342)
	Ld	Lacustrine sediments: deltaic (3.01.05.131)
	Lr	Lacustrine sediments: beach (3.01.05.231)
	Mr	Marine sediments: beach (3.01.06.300)
	Mn	Marine sediments: littoral and nearshore (3.01.06.411)
	Mb	Marine sediments: offshore, blanket (3.01.06.500)
	Mv	Marine sediments: veneer (3.01.06.200)
	M	Marine sediments: undifferentiated (3.01.06.400)
	Mi	Marine sediments: intertidal (3.01.06.201)
	Md	Marine sediments: deltaic (3.01.06.600)
	Mt	Marine sediments: terraced (3.01.06.511)
	Isn	Glacier-icefield-icecap: snow packs (3.01.15.001)
	I	Glacier-icefield-icecap: undifferentiated (3.01.15.002)
	To be defined	To be defined (3.99.01.005)

Unit Colours

	GMr	Glaciomarine sediments: beach (3.01.09.522)
	GMd	Glaciomarine sediments: deltaic (3.01.09.412)
	GMn	Glaciomarine sediments: littoral and nearshore (3.01.09.512)
	GMm	Glaciomarine sediments: submarine moraine (3.01.09.612)
	Gmb	Glaciomarine sediments: offshore, blanket (3.01.09.712)
	GMv	Glaciomarine sediments: veneer (3.01.09.312)
	GM	Glaciomarine sediments: undifferentiated (3.01.09.602)
	GMf	Glaciomarine sediments: submarine outwash fan (3.01.09.623)
	GLf	Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.120)
	GLd	Glaciolacustrine sediments: deltaic (3.01.08.230)
	GLr	Glaciolacustrine sediments: beach (3.01.08.151)
	GLm	Glaciolacustrine sediments: subaqueous moraine (3.01.08.241)
	GLb	Glaciolacustrine sediments: offshore, blanket (3.01.08.251)
	GLv	Glaciolacustrine sediments: veneer (3.01.08.140)
	GLn	Glaciolacustrine sediments: littoral and nearshore (3.01.08.130)
	GL	Glaciolacustrine sediments: undifferentiated (3.01.08.240)
	GFt	Glaciolacustrine sediments: terraced (3.01.07.026)
	GFr	Glaciolacustrine sediments: esker (3.01.07.019)
	GFf	Glaciolacustrine sediments: subaqueous outwash fan (3.01.07.048)
	GFh	Glaciolacustrine sediments: hummocky (3.01.07.038)
	GFc	Glaciolacustrine sediments: ice-contact (3.01.07.029)
	GFv	Glaciolacustrine sediments: veneer (3.01.07.057)
	GF	Glaciolacustrine sediments: undifferentiated (3.01.07.027)
	GFp	Glaciolacustrine sediments: subaerial outwash plain (3.01.07.028)
	GFb	Glaciolacustrine sediments: blanket (3.01.07.046)
	Tm	Glacial sediments: moraine (3.01.10.304)
	Tr	Glacial sediments: ridged moraine (3.01.10.415)
	Th	Glacial sediments: hummocky till (3.01.10.617)
	Tst	Glacial sediments: streamlined till (3.01.10.709)
	Tg	Glacial sediments: rock-glacierized moraine (3.01.10.509)
	Tb	Glacial sediments: blanket (3.01.10.405)
	Tv	Glacial sediments: veneer (3.01.10.207)
	T	Glacial sediments: undifferentiated (3.01.10.406)
	Wwv	Weathering deposits: residual veneer (3.01.11.155)
	W	Weathering deposits: undifferentiated (3.01.11.165)
	R	Bedrock: undifferentiated (3.01.13.031)
	R1	Bedrock: sedimentary (3.01.13.010)
	R2	Bedrock: igneous (3.01.13.060)
	R3	Bedrock: metamorphic (3.01.13.040)
	H	Anthropogenic (3.01.14.212)
	U	Undifferentiated deposits: undifferentiated (3.01.12.122)