

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 - large (3.05.01.003)
	Sediment transport direction (3.05.01.004)
	Arête (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)
	Esker/Beach ridge - known (3.07.01.010)
	Esker/Beach ridge - unknown (3.07.01.011)
	Ice-contact terrace scarp (3.07.01.007)
	Ice-thrust 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)
	Fluted bedrock, poorly defined, central long axis - known (3.08.01.033)
	Fluted bedrock, poorly defined, central long axis - unknown (3.08.01.034)

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)
	Buried channel - known (3.10.01.013)
	Buried channel - 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, glaciolacustrine - defined (3.11.01.009)
	Limit of submergence, glaciolacustrine - 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 - glaciofluvial (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>
	Pre-existing coastline (3.13.01.011)
	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>Centred marker (3.03.01.002 or 3.03.01.003) must be added manually</i>
	Quarry, large (3.03.01.010) <i>Centred marker (3.03.01.002 or 3.03.01.003) must be added manually</i>
	Sinkhole, large (3.04.01.007) <i>Centred marker (3.04.01.002) 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>Centred 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>Centred marker (3.12.01.002) must be added manually</i>
	Nivation hollow (3.12.01.020) <i>Centred marker (3.12.01.021) must be added manually</i>
	Felsenmeer - large (3.12.01.023)
	Lag deposit - boulder lag (3.14.01.013)
	Lag deposit - washed scoured lag (3.14.01.014)
	Surface boulder concentration (3.14.01.015)
	Salt flats (3.14.01.017)
	Quilled area (3.14.01.005)
	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)
	Geiffuccion 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)
	Felsenmeer, small - airphoto observation (3.12.01.024)
	Dune crest, small, known - airphoto observation (3.05.01.008)
	Dune crest, small, unknown - airphoto observation (3.05.01.009)
	Minor moraine, small, known - airphoto observation (3.06.01.015)
	Minor moraine, small, unknown - airphoto observation (3.06.01.017)
	Fluted bedrock, small, poorly defined, known - airphoto observation (3.08.01.029)
	Fluted bedrock, small, poorly defined, unknown - airphoto observation (3.08.01.030)

Field Observation Features

	Paleowind measurement (3.05.01.002)
	Striation - poorly defined, known (3.08.01.008)
	Striation - poorly defined, unknown (3.08.01.009)
	Striation - well defined, known (3.08.01.010)
	Striation - well defined, unknown (3.08.01.011)
	Striation - poorly defined, unknown - Option 2 (3.08.01.035)
	Striation - poorly defined, unknown - Option 2 (3.08.01.036)
	Striation - well defined, known - Option 2 (3.08.01.037)
	Striation - well defined, unknown - Option 2 (3.08.01.038)
	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)
	Geiffuccion or solifluction lobe - field observation (3.12.01.018)
	Ground ice observation (3.12.01.019)
	Fossil observation (3.14.01.003)
	Gossan observation (3.14.01.004)
	Sample location (3.14.01.006) <i>Sample location - annotation (3.03.01.007) 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)
	Felsenmeer, small - field observation (3.12.01.025)
	Dune crest, small, known - field observation (3.05.01.010)
	Dune crest, small, unknown - field observation (3.05.01.011)
	Dated sample location (3.14.01.018) <i>Dated sample location - annotation (3.03.01.010) must be added manually</i>
	Minor moraine, small, known - field observation (3.06.01.016)
	Fluted bedrock, small, poorly defined, known - field observation (3.08.01.031)
	Fluted bedrock, small, poorly defined, unknown - field observation (3.08.01.032)

Unit Colours

	Ca	Colluvial deposits: apron or talus (3.01.01.097)
	Cf	Colluvial deposits: fan sediments (3.01.01.107)
	Cz	Colluvial deposits: landslide (3.01.01.155)
	Cg	Colluvial deposits: rock-glacier (3.01.01.139)
	Cv	Colluvial deposits: veneer (3.01.01.092)
	Cb	Colluvial deposits: blanket (3.01.01.095)
	C	Colluvial deposits: undifferentiated (3.01.01.152)
	Owf	Organic deposits: fen (3.01.02.011)
	Ows	Organic deposits: salt marsh (3.01.02.015)
	Owb	Organic deposits: bog (3.01.02.013)
	O	Organic deposits: undifferentiated (3.01.02.012)
	Ev	Eolian sediments: veneer (3.01.03.292)
	Er	Eolian sediments: dunes (3.01.03.299)
	Ei	Eolian sediments: loess (3.01.03.295)
	E	Eolian sediments: undifferentiated (3.01.03.297)
	Ap	Alluvial sediments: floodplain (3.01.04.265)
	Af	Alluvial sediments: fan sediments (3.01.04.257)
	Ai	Alluvial sediments: intertidal or estuarine (3.01.04.255)
	At	Alluvial sediments: terraced (3.01.04.269)
	A	Alluvial sediments: undifferentiated (3.01.04.263)
	Ab	Alluvial sediments: blanket (3.01.04.267)
	Av	Alluvial sediments: veneer (3.01.04.252)
	Ln	Lacustrine sediments: littoral and nearshore (3.01.05.573)
	Lb	Lacustrine sediments: blanket (3.01.05.575)
	Lv	Lacustrine sediments: veneer (3.01.05.572)
	L	Lacustrine sediments: undifferentiated (3.01.05.583)
	Ld	Lacustrine sediments: deltaic (3.01.05.585)
	Lr	Lacustrine sediments: beach (3.01.05.582)
	Lo	Lacustrine sediments: offshore (3.01.05.577)
	Mr	Marine sediments: beach (3.01.06.497)
	Mn	Marine sediments: littoral and nearshore (3.01.06.493)
	Mb	Marine sediments: offshore, blanket (3.01.06.505)
	Mv	Marine sediments: veneer (3.01.06.502)
	M	Marine sediments: undifferentiated (3.01.06.503)
	Mi	Marine sediments: intertidal (3.01.06.492)
	Md	Marine sediments: deltaic (3.01.06.507)
	Mt	Marine sediments: terraced (3.01.06.495)
	Mo	Marine sediments: offshore (3.01.06.509)
	Ien	Glacier-icefield-icecap: snow packs (3.01.15.001)
	I	Glacier-icefield-icecap: undifferentiated (3.01.15.002)
	H	Anthropogenic (3.01.14.343)
	U	Undifferentiated deposits: undifferentiated (3.01.12.082)
	no colour no outline	Unmapped area (2.04.02.001)

Unit Colours

	GMr	Glaciomarine sediments: beach (3.01.09.487)
	GMd	Glaciomarine sediments: deltaic (3.01.09.525)
	G Mn	Glaciomarine sediments: littoral and nearshore (3.01.09.513)
	G Mm	Glaciomarine sediments: submarine moraine (3.01.09.517)
	G Mb	Glaciomarine sediments: blanket (3.01.09.485)
	G Mv	Glaciomarine sediments: veneer (3.01.09.483)
	G M	Glaciomarine sediments: undifferentiated (3.01.09.515)
	G Mf	Glaciomarine sediments: submarine outwash fan (3.01.09.527)
	G Mi	Glaciomarine sediments: intertidal sediments (3.01.09.512)
	G Mo	Glaciomarine sediments: offshore (3.01.09.519)
	GLf	Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.615)
	GLd	Glaciolacustrine sediments: deltaic (3.01.08.613)
	GLr	Glaciolacustrine sediments: beach (3.01.08.645)
	GLm	Glaciolacustrine sediments: subaqueous moraine (3.01.08.617)
	GLb	Glaciolacustrine sediments: blanket (3.01.08.647)
	GLv	Glaciolacustrine sediments: veneer (3.01.08.642)
	GLn	Glaciolacustrine sediments: littoral and nearshore (3.01.08.612)
	GL	Glaciolacustrine sediments: undifferentiated (3.01.08.643)
	GLo	Glaciolacustrine sediments: offshore (3.01.08.637)
	G Ff	Glaciofluvial sediments: terraced (3.01.07.249)
	G Fr	Glaciofluvial sediments: esker (3.01.07.229)
	G Ff	Glaciofluvial sediments: suaqueous outwash fan (3.01.07.225)
	G Fh	Glaciofluvial sediments: hummocky (3.01.07.215)
	G Fc	Glaciofluvial sediments: ice-contact (3.01.07.217)
	G Fv	Glaciofluvial sediments: veneer (3.01.07.223)
	G F	Glaciofluvial sediments: undifferentiated (3.01.07.235)
	G Fp	Glaciofluvial sediments: subaerial outwash plain (3.01.07.245)
	G Fb	Glaciofluvial sediments: blanket (3.01.07.247)
	G Fk	Glaciofluvial sediments: kame terrace (3.01.07.219)
	Tm	Glacial sediments: moraine (3.01.10.377)
	Tr	Glacial sediments: ridged moraine (3.01.10.385)
	Th	Glacial sediments: hummocky till (3.01.10.375)
	Ts	Glacial sediments: streamlined till (3.01.10.387)
	Tg	Glacial sediments: rock-glacierized moraine (3.01.10.357)
	Tb	Glacial sediments: blanket (3.01.10.359)
	Tv	Glacial sediments: veneer (3.01.10.355)
	T	Glacial sediments: undifferentiated (3.01.10.373)
	Tx	Glacial sediments: weathered (3.01.10.057)
	Wv	Weathering deposits: residual veneer (3.01.11.175)
	Wb	Weathering deposits: