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)
- Druminloid 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)
  Opposite side must be digitized in other direction using same symbol
- 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)
  Opposite side must be digitized in other direction using same symbol
- 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)
  Opposite side must be digitized in other direction using same symbol
- Ice stream margin - approximate (3.11.01.004)
  Opposite side must be digitized in other direction using same symbol
- 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)
  Multiple lines must be digitized manually
- 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)
  Opposite side must be digitized in other direction using same symbol
- 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)
  Centroid marker (3.03.01.002 or 3.03.01.003) must be added manually
- Quarry, large (3.03.01.010)
  Centroid marker (3.03.01.004 or 3.03.01.005) must be added manually
- Sinkhole, large (3.04.01.007)
  Centroid marker (3.04.01.004) must be added manually
- Active dune field (3.05.01.005)
- Eolian lag deposit - deflation surface (3.05.01.006)
- Kettle, large (3.06.01.013)
  Centroid marker (3.08.01.002) must be added manually
- Recently deglaciated area (3.06.01.014)
  White pattern over colour of geological unit
- Patterned ground, large (3.12.01.016)
- Thermokarst depression, large (3.12.01.017)
  Centroid marker (3.12.01.006) must be added manually
- Nivation hollow (3.12.01.020)
  Centroid marker (3.12.01.021) must be added manually
- 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)
- 98-103 Sample location (3.14.01.006)
  Text (3.14.01.006) must be added manually
- 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)
  Relative Age annotation (3.08.01.023) must be added manually
- 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 (3.01.01.097)
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)
El	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: deep water, 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)
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)
Isn	Glacier-icefield-icecap: snow packs (3.01.15.001)
I	Glacier-icefield-icecap: undifferentiated (3.01.15.002)
H	Anthropogenic (3.01.14.343)
	Map unit polygon - to be defined (2.04.02.003)
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)
GMn	Glaciomarine sediments: littoral and nearshore (3.01.09.513)
GMm	Glaciomarine sediments: submarine moraine (3.01.09.517)
GMb	Glaciomarine sediments: offshore, blanket (3.01.09.485)
GMv	Glaciomarine sediments: veneer (3.01.09.483)
GM	Glaciomarine sediments: undifferentiated (3.01.09.515)
GMf	Glaciomarine sediments: submarine outwash fan (3.01.09.527)
GMi	Glaciomarine sediments: intertidal sediments (3.01.09.512)
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: offshore, 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)
GFt	Glaciofluvial sediments: terraced (3.01.07.249)
GFr	Glaciofluvial sediments: esker (3.01.07.229)
GFf	Glaciofluvial sediments: suaqueous outwash fan (3.01.07.225)
GFh	Glaciofluvial sediments: hummocky (3.01.07.215)
GFc	Glaciofluvial sediments: ice-contact (3.01.07.217)
GFv	Glaciofluvial sediments: veneer (3.01.07.223)
GF	Glaciofluvial sediments: undifferentiated (3.01.07.235)
GFp	Glaciofluvial sediments: subaerial outwash plain (3.01.07.245)
GFb	Glaciofluvial sediments: blanket (3.01.07.247)
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)
Wv	Weathering deposits: residual veneer (3.01.11.175)
W	Weathering deposits: undifferentiated (3.01.11.177)
R	Bedrock: undifferentiated (3.01.13.185)
R1	Bedrock: sedimentary (3.01.13.192)
R2	Bedrock: igneous (3.01.13.187)
R3	Bedrock: metamorphic (3.01.13.183)
U	Undifferentiated deposits: undifferentiated (3.01.12.082)