

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 December 1st, 2014

Unit Colours (in order of legend appearance)

Ian	Glacier ice or Snowpack: snow packs (3.01.15.001)
I	Glacier ice or Snowpack: Glacier-icefield-icecap (3.01.15.002)
H	Anthropogenic: undifferentiated (3.01.14.715)
Owf	Organic deposits: fen (3.01.02.011)
Owb	Organic deposits: bog (3.01.02.013)
Ows	Organic deposits: salt marsh (3.01.02.015)
Ov	Organic deposits: veneer (3.01.02.023)
Ob	Organic deposits: blanket (3.01.02.025)
O	Organic deposits: undifferentiated (3.01.02.012)
Ei	Eolian sediments: loess (3.01.03.295)
Er	Eolian sediments: dunes (3.01.03.299)
Ev	Eolian sediments: veneer (3.01.03.292)
E	Eolian sediments: undifferentiated (3.01.03.297)
Cf	Colluvial and Mass-wasting deposits: fan sediments (3.01.01.107)
Cs	Colluvial and Mass-wasting deposits: apron or talus scree (3.01.01.097)
Cz	Colluvial and Mass-wasting deposits: landslide (3.01.01.155)
Cg	Colluvial and Mass-wasting deposits: rock-glacier (3.01.01.139)
Cv	Colluvial and Mass-wasting deposits: veneer (3.01.01.092)
Cb	Colluvial and Mass-wasting deposits: blanket (3.01.01.095)
C	Colluvial and Mass-wasting deposits: undifferentiated (3.01.01.152)
Ap	Alluvial sediments: floodplain (3.01.04.285)
Af	Alluvial sediments: fan sediments (3.01.04.257)
Al	Alluvial sediments: intertidal or estuarine (3.01.04.255)
At	Alluvial sediments: terraced (3.01.04.269)
Av	Alluvial sediments: veneer (3.01.04.252)
Ab	Alluvial sediments: blanket (3.01.04.267)
A	Alluvial sediments: undifferentiated (3.01.04.263)
Lr	Lacustrine sediments: beach (3.01.05.582)
Ld	Lacustrine sediments: deltaic (3.01.05.588)
Ln	Lacustrine sediments: littoral and nearshore (3.01.05.573)
Lo	Lacustrine sediments: offshore (3.01.05.577)
Lv	Lacustrine sediments: veneer (3.01.05.572)
Lb	Lacustrine sediments: blanket (3.01.05.575)
L	Lacustrine sediments: undifferentiated (3.01.05.583)
Mt	Marine sediments: terraced (3.01.06.495)
Mr	Marine sediments: beach (3.01.06.497)
Md	Marine sediments: deltaic (3.01.06.507)
Mi	Marine sediments: intertidal (3.01.06.492)
Mn	Marine sediments: littoral and nearshore (3.01.06.493)
Mo	Marine sediments: offshore (3.01.06.509)
Mv	Marine sediments: veneer (3.01.06.502)
Mb	Marine sediments: blanket (3.01.06.505)
M	Marine sediments: undifferentiated (3.01.06.503)
GMr	Glaciomarine sediments: beach (3.01.09.497)
GMd	Glaciomarine sediments: deltaic (3.01.09.525)
GMI	Glaciomarine sediments: intertidal sediments (3.01.09.512)
GMn	Glaciomarine sediments: littoral and nearshore (3.01.09.513)
GMo	Glaciomarine sediments: offshore (3.01.09.519)
GMF	Glaciomarine sediments: submarine outwash fan (3.01.09.527)
GMm	Glaciomarine sediments: submarine moraine (3.01.09.517)
GMv	Glaciomarine sediments: veneer (3.01.09.483)
GMb	Glaciomarine sediments: blanket (3.01.09.485)
GM	Glaciomarine sediments: undifferentiated (3.01.09.515)
GLr	Glaciolacustrine sediments: beach (3.01.08.645)
GLd	Glaciolacustrine sediments: deltaic (3.01.08.613)
GLn	Glaciolacustrine sediments: littoral and nearshore (3.01.08.612)
GLo	Glaciolacustrine sediments: offshore (3.01.08.637)
GLf	Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.615)
GLm	Glaciolacustrine sediments: subaqueous moraine (3.01.08.617)
GLh	Glaciolacustrine sediments: hummocky (3.01.08.635)
GLv	Glaciolacustrine sediments: veneer (3.01.08.642)
GLb	Glaciolacustrine sediments: blanket (3.01.08.647)
GL	Glaciolacustrine sediments: undifferentiated (3.01.08.643)
GFp	Glaciofluvial sediments: outwash plain (3.01.07.249)
GFf	Glaciofluvial sediments: terraced (3.01.07.237)
GF1	Glaciofluvial sediments: outwash fan (3.01.07.225)
GFh	Glaciofluvial sediments: hummocky (3.01.07.215)
GFc	Glaciofluvial sediments: ice-contact (3.01.07.217)
GFx	Glaciofluvial sediments: kame terrace (3.01.07.219)
GFt	Glaciofluvial sediments: esker (3.01.07.229)
GFv	Glaciofluvial sediments: veneer (3.01.07.223)
GFb	Glaciofluvial sediments: blanket (3.01.07.247)
GF	Glaciofluvial sediments: undifferentiated (3.01.07.235)
Tg	Glacial sediments: rock-glacierized moraine (3.01.10.357)
Th	Glacial sediments: hummocky till (3.01.10.375)
Tm	Glacial sediments: moraine complex (3.01.10.377)
Tr	Glacial sediments: ridged till, moraine (3.01.10.385)
Ts	Glacial sediments: streamlined till (3.01.10.387)
Tx	Glacial sediments: weathered till (3.01.10.057)
Tv	Glacial sediments: veneer (3.01.10.355)
Tb	Glacial sediments: blanket (3.01.10.359)
T	Glacial sediments: undifferentiated (3.01.10.373)
Wv	Weathered bedrock or regolith: veneer (3.01.11.175)
Wb	Weathered bedrock or regolith: blanket (3.01.11.169)
W	Weathered bedrock or regolith: undifferentiated (3.01.11.177)
Vpy	Volcanic deposits: pyroclastic sediments (3.01.16.705)
V	Volcanic deposits: undifferentiated (3.01.16.707)
U	Undifferentiated deposits: undifferentiated (3.01.12.082)
R1	Bedrock: sedimentary (3.01.13.192)
R2	Bedrock: igneous (3.01.13.187)
R3	Bedrock: metamorphic (3.01.13.183)
R	Bedrock: undifferentiated (3.01.13.185)
	Map unit polygon - to be defined (2.01.01.010)
	Unmapped area (2.01.01.008)

Area Features

	Made ground fill (3.03.01.005)
	Mine tailing (3.03.01.007)
	Peat bog mining (3.03.01.008)
	Pit, large (3.03.01.009) <small>Control number (3.03.01.009) is 3.03.01.009; must be added manually</small>
	Quarry, large (3.03.01.010) <small>Control number (3.03.01.010) is 3.03.01.010; must be added manually</small>
	Area of sinkholes (3.04.01.007) <small>Control number (3.04.01.007) is 3.04.01.007; must be added manually</small>
	Active dune field (3.05.01.005)
	Eolian lag deposit (deflation surface) (3.05.01.006)
	Kettle, large (3.06.01.013) <small>Control number (3.06.01.013) is 3.06.01.013; must be added manually</small>
	Recently deglaciated area (3.06.01.014) <small>Control number (3.06.01.014) is 3.06.01.014; must be added manually</small>
	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) <small>Control number (3.12.01.017) is 3.12.01.017; must be added manually</small>
	Nivation hollow (3.12.01.020) <small>Control number (3.12.01.020) is 3.12.01.020; must be added manually</small>
	Felsenmeer, large (3.12.01.023)

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)
	Arête (3.05.01.003)
	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; interbate; unspecified (3.06.01.010)
	Moraine ridge, major - ice-cored; end; interbate; unspecified (3.06.01.011)
	Other moraine ridge; degter; 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)
	Limit of mapping (3.02.01.005)
	Limit of mapping - neoline (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) <small>Control number (3.14.01.011) is 3.14.01.011; must be added manually</small>
	Geomorphological line - to be defined (2.01.01.001)
	Meltwater channel scarp, major (3.10.01.005) <small>Control number (3.10.01.005) is 3.10.01.005; must be added manually</small>
	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) <small>Control number (3.10.01.011) is 3.10.01.011; must be added manually</small>
	Spillway, central axis - known (3.10.01.012)
	Spillway, central axis - unknown (3.10.01.017)
	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) <small>Control number (3.11.01.003) is 3.11.01.003; must be added manually</small>
	Ice stream margin - approximate (3.11.01.004) <small>Control number (3.11.01.004) is 3.11.01.004; must be added manually</small>
	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) <small>Control number (3.13.01.002) is 3.13.01.002; must be added manually</small>
	Terrace scarp (3.13.01.004)
	Pre-existing coastline (3.13.01.011)
	Subglacial meltwater corridor margin - defined (3.10.01.015)
	Subglacial meltwater corridor margin - approximate (3.10.01.016) <small>Control number (3.10.01.016) is 3.10.01.016; must be added manually</small>
	Pre-crag ridge (3.08.01.040)
	Erosional crest (3.14.01.020)

Point Features

	Drift hole 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)
	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 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)
	Palis or lithals (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)
	Gelfluction lobe or solifluction lobe - airphoto observation (3.12.01.022)
	Felsenmeer, small - airphoto observation (3.12.01.024)
	Delta - known (3.13.01.001)
	Delta - unknown (3.13.01.010)
	Hummock - airphoto observation (3.14.01.019)
	Pre-crag ridge, small - airphoto observation (3.08.01.039)

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)