

GSC Geologic Symbol Standard Style File - Surficial Symbols

These symbols accompany the GSC Surficial Geodatabase model version 2.2 and is up to date as of February 1st, 2016

Unit Colours (in order of legend appearance)

Ian	Glacier ice or Snowpack: snowpacs (3.01.15.001)
I	Glacier ice or Snowpack: Glacier-icefield-icecap (3.01.15.002)
H	Anthropogenic deposits: undifferentiated (3.01.14.715)
OwF	Organic deposits: fen deposits (3.01.02.011)
OwB	Organic deposits: bog deposits (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 (3.01.04.265)
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)
GMin	Glaciomarine sediments: littoral and nearshore (3.01.09.513)
GMo	Glaciomarine sediments: offshore (3.01.09.519)
GMr	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)
GFI	Glaciofluvial sediments: terraced (3.01.07.237)
GFF	Glaciofluvial sediments: outwash fan (3.01.07.225)
GFr	Glaciofluvial sediments: hummocky (3.01.07.215)
GFC	Glaciofluvial sediments: ice-contact (3.01.07.217)
GFK	Glaciofluvial sediments: kame terrace (3.01.07.219)
GFE	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)
Tp	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)
Tp	Glacial sediments: plain (3.01.10.439)
Tx	Glacial sediments: weathered till (3.01.10.067)
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 [R]	(3.03.01.006)
Mine tailing	(3.03.01.007)
Peat bog mining	(3.03.01.008)
Pit, large	(3.03.01.009)
Quarry, large	(3.03.01.010)
Area of sinkholes	(3.04.01.007)
Active dune field	(3.05.01.005)
Eolian lag deposit (deflation surface)	(3.05.01.006)
Kettle, large	(3.06.01.013)
Recently deglaciated area	(3.06.01.014)
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)
Nivation hollow	(3.12.01.020)
Felsenmeer, large	(3.12.01.023)
Annular depression, large	(3.14.01.023)

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 - known	(3.14.01.021)
Sediment transport direction - unknown	(3.14.01.022)
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; interlobate; unspecified	(3.06.01.010)
Moraine ridge, major - ice-cored: end; interlobate; unspecified	(3.06.01.011)
Other moraine ridge: degler, 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 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 - neatline	(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)
Alluvial bar or levee ridge	(3.14.01.009)
Iceberg scour, central axis	(3.14.01.010)
Ravine scarp	(3.14.01.011)
Geomorphological line - to be defined	(2.01.01.001)
Meltwater channel scarp, major	(3.10.01.005)
Meltwater channel, minor - lateral uphill	(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)
Spillway, central axis - known	(3.10.01.012)
Spillway, central axis - unknown	(3.10.01.013)
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)
Ice stream margin - approximate	(3.11.01.004)
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)
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)
Pre-crag ridge	(3.08.01.040)
Erosional crest	(3.14.01.020)
Dispersal train margin - defined - left side	(3.08.01.041)
Dispersal train margin - defined - right side	(3.08.01.042)
Dispersal train margin - approximate - left side	(3.08.01.043)
Dispersal train margin - approximate - right side	(3.08.01.044)

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)
Passa or lithaka	(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)
Gelifluction 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)
Annular depression, small	(3.14.01.024)
Paleowind measurement location	(3.05.01.002)
Striation measurement location - poorly defined, known	(3.08.01.008)
Striation measurement location - poorly defined, unknown	(3.08.01.009)
Striation measurement location - well defined, known	(3.08.01.010)
Striation measurement location - well defined, unknown	(3.08.01.011)
Striation measurement location from legacy data - poorly defined, known - Option 2	(3.08.01.035)
Striation measurement location from legacy data - poorly defined, unknown - Option 2	(3.08.01.036)
Striation measurement location from legacy data - well defined, known - Option 2	(3.08.01.037)
Striation measurement location from legacy data - well defined, unknown - Option 2	(3.08.01.038)
Till fabric measurement location - known	(3.08.01.012)
Till fabric measurement location - unknown	(3.08.01.026)
Erratic observation location	(3.14.01.002)
Fossil observation location	(3.14.01.003)
Gossan observation location	(3.14.01.004)
Sample location	(3.14.01.006)
Station location - ground observation or stratigraphic section	(3.14.01.007)
Station location - remote observation, waypoint, unspecified	(3.14.01.008)
Field observation point - to be defined	(2.01.01.007)
Dated sample location	(3.14.01.018)
Paleocurrent measurement location - sediments	(3.10.01.003)
Paleocurrent measurement location - bedrock erosional forms	(3.10.01.004)
Rock blister observation location	(3.12.01.012)
Rock burst observation location	(3.12.01.013)
Ground ice observation location	(3.12.01.019)
Spring observation location	(3.14.01.012)

Legend Symbols

Crossed Stations	(3.15.01.001)
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)
Dispersal train margin - defined	(3.15.01.010)
Dispersal train margin - approximate	(3.15.01.011)
Subglacial meltwater corridor margin - defined	(3.15.01.012)
Subglacial meltwater corridor margin - approximate	(3.15.01.013)
Reference letters - surficial	(2.03.01.001)
Reference letters - bedrock	(2.03.01.002)
Mineral identification	(2.03.01.003)
Dip, strike, plunge values	(2.03.01.004)
Relative age of strations	(2.03.01.005)
Catalogue number	(2.03.01.006)
Locality where age has been determined	(2.03.01.007)
Borehole, diamond drill hole	(2.03.01.008)
Sinkhole, salt spring, hot spring	(2.03.01.009)
Dated sample location, radiocarbon date	(2.03.01.010)
Lineament showing name	(2.03.01.011)
Fault names	(2.03.01.012)
Fold name	(2.03.01.013)
Area feature names (e.g. shear zone)	(2.03.01.014)
Mining property names	(2.03.01.015)
Isograd lines, value	(2.03.01.016)
Isograd descriptive text	(2.03.01.017)
Fossil locality	(2.03.01.018)
Unmapped area	(2.03.01.019)
Photo numbers	(2.03.01.020)
Cross-section indicators	(2.03.01.021)
Figure numbers, insets	(2.03.01.022)

Annotation

Tvg	Reference letters - surficial (2.03.01.001)
Åking	Reference letters - bedrock (2.03.01.002)
Ph, Mn	Mineral identification (2.03.01.003)
45	Dip, strike, plunge values (2.03.01.004)
1	Relative age of strations (2.03.01.005)
2719	Catalogue number (2.03.01.006)
1400	Locality where age has been determined (2.03.01.007)
BH DCH	Borehole, diamond drill hole (2.03.01.008)
sh ss hs	Sinkhole, salt spring, hot spring (2.03.01.009)
10,820 ± 150 shells GSC 68 64 m	Dated sample location, radiocarbon date (2.03.01.010)
LAMPERS	Lineament showing name (2.03.01.011)
LEWIS FAULT	Fault names (2.03.01.012)
LISGAR ANTICLINE	Fold name (2.03.01.013)
LYNN SHEAR ZONE	Area feature names (e.g. shear zone) (2.03.01.014)
Sullivan	Mining property names (2.03.01.015)
40	Isograd lines, value (2.03.01.016)
BIOTITE	Isograd descriptive text (2.03.01.017)
C144872 84003	Fossil locality (2.03.01.018)
Unmapped	Unmapped area (2.03.01.019)
8	Photo numbers (2.03.01.020)
AA' or AB	Cross-section indicators (2.03.01.021)
INSET A	Figure numbers, insets (2.03.01.022)