

GSC Geologic Symbol Standard Style File - Surficial Symbols

These symbols accompany the GSC Surficial Geodatabase model version 2.0 and is up to date as of February 6th, 2014

Line Features

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| | 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) |
| | Aête (3.06.01.003) |
| | 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: degeer, 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) |

Line Features

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| | Limit of mapping - neatline (3.02.01.006) |
| | Limit of mapping - neoline (3.02.01.005) |
| | Landside escarpment - active (3.09.01.006) |
| | Landside 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) <i>Outside side must be digitized in other direction using same symbol</i> |
| | Geomorphological line - to be defined (2.01.01.001) |
| | Meltwater channel scarp, major (3.10.01.005) <i>Outside side must be digitized in other direction using same symbol</i> |
| | Meltwater channel, minor - lateral uphill right (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) <i>Outside side must be digitized in other direction using same symbol</i> |
| | Spillway, central axis (3.10.01.012) |
| | 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) <i>Outside side must be digitized in other direction using same symbol</i> |
| | Ice stream margin - approximate (3.11.01.004) <i>Outside 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 (3.13.01.004) |
| | Pre-existing coastline (3.13.01.011) |

Area Features

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|--|---|
| | Made ground [fill] (3.03.01.006) |
| | Mine tailing (3.03.01.007) |
| | Peat bog mining (3.03.01.008) |
| | Pit, large (3.03.01.009) <i>Control marker (3.03.01.002 or 3.03.01.003) must be added manually</i> |
| | Quarry, large (3.03.01.010) <i>Control marker (3.03.01.002 or 3.03.01.003) must be added manually</i> |
| | Area of sinkholes (3.04.01.007) <i>Control marker (3.04.01.001) 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>Control marker (3.06.01.001) must be added manually</i> |
| | Recently deglaciated area (3.06.01.014) <i>White pattern over outline of geological unit</i> |
| | 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) |
| | Thermokarst depression, large (3.12.01.017) <i>Control marker (3.12.01.006) must be added manually</i> |
| | Nivation hollow (3.12.01.020) <i>Control marker (3.12.01.006) must be added manually</i> |
| | Felsenmeer, large (3.12.01.023) |

Point Features

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| | 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) |
| | 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) |
| | 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) |
| | Landside 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) |
| | 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) |
| | 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) |

Field Observation Features

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|--|---|
| | 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) |
| | 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) <i>Sample location - annotation (2.03.01.007) must be added manually</i> |
| | 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) <i>Dated sample location - annotation (2.03.01.019) must be added manually</i> |
| | Paleocurrent measurement location - sediments (3.10.01.003) |
| | Paleocurrent measurement location - bedrock erosional forms (3.10.01.004) |
| | Patterned ground observation location, small (3.12.01.007) |
| | Pingo observation location (3.12.01.008) |
| | Rock glacier observation location (3.12.01.009) |
| | Rock pingo observation location (3.12.01.010) |
| | Thermokarst depression observation location, small (3.12.01.011) |
| | Rock blister observation location (3.12.01.012) |
| | Rock burst observation location (3.12.01.013) |
| | Gelifluction lobe or solifluction lobe observation location (3.12.01.018) |
| | Ground ice observation location (3.12.01.019) |
| | Felsenmeer observation location, small (3.12.01.025) |
| | Spring observation location (3.14.01.012) |

Unit Colours

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|--|---|
| | Colluvial and Mass-wasting deposits: apron or talus scree (3.01.01.097) |
| | Colluvial and Mass-wasting deposits: fan sediments (3.01.01.107) |
| | Colluvial and Mass-wasting deposits: landslide (3.01.01.155) |
| | Colluvial and Mass-wasting deposits: rock-glacier (3.01.01.139) |
| | Colluvial and Mass-wasting deposits: veneer (3.01.01.092) |
| | Colluvial and Mass-wasting deposits: blanket (3.01.01.095) |
| | Colluvial and Mass-wasting deposits: undifferentiated (3.01.01.152) |
| | Organic deposits: fen (3.01.02.011) |
| | Organic deposits: salt marsh (3.01.02.015) |
| | Organic deposits: bog (3.01.02.013) |
| | Organic deposits: undifferentiated (3.01.02.012) |
| | Eolian sediments: veneer (3.01.03.292) |
| | Eolian sediments: dunes (3.01.03.299) |
| | Eolian sediments: loess (3.01.03.295) |
| | Eolian sediments: undifferentiated (3.01.03.297) |
| | Alluvial sediments: floodplain (3.01.04.265) |
| | Alluvial sediments: fan sediments (3.01.04.257) |
| | Alluvial sediments: intertidal or estuarine (3.01.04.255) |
| | Alluvial sediments: terraced (3.01.04.269) |
| | Alluvial sediments: veneer (3.01.04.252) |
| | Alluvial sediments: blanket (3.01.04.267) |
| | Alluvial sediments: undifferentiated (3.01.04.263) |
| | Lacustrine sediments: littoral and nearshore (3.01.05.573) |
| | Lacustrine sediments: blanket (3.01.05.575) |
| | Lacustrine sediments: veneer (3.01.05.572) |
| | Lacustrine sediments: offshore (3.01.05.577) |
| | Lacustrine sediments: deltaic (3.01.05.585) |
| | Lacustrine sediments: beach (3.01.05.582) |
| | Lacustrine sediments: undifferentiated (3.01.05.583) |
| | Marine sediments: beach (3.01.06.497) |
| | Marine sediments: littoral and nearshore (3.01.06.493) |
| | Marine sediments: blanket (3.01.06.505) |
| | Marine sediments: veneer (3.01.06.502) |
| | Marine sediments: offshore (3.01.06.509) |
| | Marine sediments: intertidal (3.01.06.492) |
| | Marine sediments: deltaic (3.01.06.507) |
| | Marine sediments: terraced (3.01.06.495) |
| | Marine sediments: undifferentiated (3.01.06.503) |
| | Glacier Ice or Snowpack: snow packs (3.01.15.001) |
| | Glacier Ice or Snowpack: Glacier-icefield-icecap (3.01.15.002) |
| | Anthropogenic: undifferentiated (3.01.14.343) |
| | Undifferentiated deposits: undifferentiated (3.01.12.082) |
| | Map unit polygon - to be defined (2.01.01.010) |
| | Unmapped area (2.01.01.008) |
| | Volcanic deposits: pyroclastic sediments (3.01.16.001) |
| | Volcanic deposits: undifferentiated (3.01.16.002) |

Unit Colours

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| | Glaciomarine sediments: beach (3.01.09.487) |
| | Glaciomarine sediments: deltaic (3.01.09.525) |
| | Glaciomarine sediments: littoral and nearshore (3.01.09.513) |
| | Glaciomarine sediments: submarine moraine (3.01.09.517) |
| | Glaciomarine sediments: blanket (3.01.09.485) |
| | Glaciomarine sediments: veneer (3.01.09.483) |
| | Glaciomarine sediments: offshore (3.01.09.519) |
| | Glaciomarine sediments: submarine outwash fan (3.01.09.527) |
| | Glaciomarine sediments: intertidal sediments (3.01.09.512) |
| | Glaciomarine sediments: undifferentiated (3.01.09.515) |
| | Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.615) |
| | Glaciolacustrine sediments: deltaic (3.01.08.613) |
| | Glaciolacustrine sediments: beach (3.01.08.645) |
| | Glaciolacustrine sediments: subaqueous moraine (3.01.08.617) |
| | Glaciolacustrine sediments: blanket (3.01.08.647) |
| | Glaciolacustrine sediments: veneer (3.01.08.642) |
| | Glaciolacustrine sediments: littoral and nearshore (3.01.08.612) |
| | Glaciolacustrine sediments: offshore (3.01.08.637) |
| | Glaciolacustrine sediments: undifferentiated (3.01.08.643) |
| | Glaciofluvial sediments: terraced (3.01.07.249) |
| | Glaciofluvial sediments: esker (3.01.07.229) |
| | Glaciofluvial sediments: outwash fan (3.01.07.225) |
| | Glaciofluvial sediments: hummocky (3.01.07.215) |
| | Glaciofluvial sediments: ice-contact (3.01.07.217) |
| | Glaciofluvial sediments: veneer (3.01.07.223) |
| | Glaciofluvial sediments: kame terrace (3.01.07.219) |
| | Glaciofluvial sediments: outwash plain (3.01.07.245) |
| | Glaciofluvial sediments: blanket (3.01.07.247) |
| | Glaciofluvial sediments: undifferentiated (3.01.07.235) |
| | Glacial sediments: moraine complex (3 |