

GSC Geologic Symbol Standard Style File - Surficial Symbols

These symbols accompany the GSC Surficial Geodatabase model version 2.4 and is up to date as of April 15, 2019

Symbols are organized by legend order appearance

| | | | | | | | |
|------------|---|--|--|--|---|--|--|
| Isn | Glacier ice or Snowpack: snowpacks (3.01.15.001) | | Geological contact: defined (3.02.01.001) | | Meltwater channel: minor paleocurrent direction unknown (3.10.01.009) | | Pit: large inactive (3.03.01.009) |
| I | Glacier ice or Snowpack: Glacier-icefield-icecap (3.01.15.002) | | Geological contact: approximate (3.02.01.002) | | Meltwater channel: minor paleocurrent direction known (3.10.01.008) | | Pit: large active (3.03.01.009) |
| H | Anthropogenic deposits: undifferentiated (3.01.14.715) | | Geological contact: inferred (3.02.01.003) | | Meltwater channel: minor lateral (3.10.01.006) | | Pit: small inactive (3.03.01.003) |
| Owf | Organic deposits: fen (3.01.02.011) | | Geological contact: concealed (3.02.01.004) | | Meltwater channel: minor lateral (3.10.01.007) | | Pit: small active (3.03.01.002) |
| Owb | Organic deposits: bog (3.01.02.013) | | Limit of mapping (3.02.01.005) | | Meltwater channel: major paleocurrent direction unknown (3.10.01.005) | | Mine tailing (3.03.01.007) |
| Ows | Organic deposits: salt marsh (3.01.02.015) | | Spring, hot spring, cold water spring observation location (3.14.01.012) | | Meltwater channel: major paleocurrent direction known (3.10.01.005) | | Made ground (fill) (3.03.01.006) |
| Ov | Organic deposits: veneer (3.01.02.023) | | Annular depression: large (3.14.01.023) | | Meltwater channel: major paleocurrent direction known (3.10.01.005) | | Quarry: large inactive (3.03.01.010) |
| Ob | Organic deposits: blanket (3.01.02.025) | | Annular depression: small (3.14.01.024) | | Meltwater erosional depression (3.10.01.018) | | Quarry: large active (3.03.01.010) |
| O | Organic deposits: undifferentiated (3.01.02.012) | | Nivation hollow (3.12.01.020) | | Subglacial meltwater corridor margin: approximate (3.10.01.016) | | Quarry: small inactive (3.03.01.005) |
| EI | Eolian sediments: loess (3.01.03.295) | | Recently deglaciated area (3.06.01.014) | | Subglacial meltwater corridor margin: defined (3.10.01.015) | | Quarry: small active (3.03.01.004) |
| Er | Eolian sediments: dunes (3.01.03.299) | | Avalanche track: large (3.09.01.008) | | Partly buried channel scarp (3.10.01.011) | | Peat bog mining (3.03.01.008) |
| Ev | Eolian sediments: veneer (3.01.03.292) | | Avalanche track: small (3.09.01.001) | | Moraine ridge: minor small, orientation known (3.06.01.017) | | Mineral occurrence (3.04.01.008) |
| E | Eolian sediments: undifferentiated (3.01.03.297) | | Debris flow track: large (3.09.01.009) | | Moraine ridge: minor small, orientation known (3.06.01.015) | | Gossan observation (3.14.01.004) |
| Cf | Colluvial and Mass-wasting deposits: fan (3.01.01.107) | | Debris flow track: small (3.09.01.002) | | Moraine ridge: major medial (3.06.01.008) | | Outcrop, small (3.04.01.002) |
| Ca | Colluvial and Mass-wasting deposits: apron or talus scree (3.01.01.097) | | Tension fracture (3.09.01.010) | | Moraine ridge: major end (3.06.01.010) | | Drillhole location (3.03.01.001) |
| Cz | Colluvial and Mass-wasting deposits: landslide (3.01.01.155) | | Piping depression (3.10.01.002) | | Moraine ridge: major lateral ice-cored (3.06.01.007) | | Fossil observation (3.14.01.003) |
| Cg | Colluvial and Mass-wasting deposits: rock-glacier (3.01.01.139) | | Landslide: escarpment inactive (3.09.01.007) | | Moraine ridge: major medial ice-cored (3.06.01.009) | | Station location: remote observation (3.14.01.008) |
| Cv | Colluvial and Mass-wasting deposits: veneer (3.01.01.092) | | Landslide: escarpment active (3.09.01.006) | | Moraine ridge: major end ice-cored (3.06.01.011) | | Station location: ground observation (3.14.01.001) |
| Cb | Colluvial and Mass-wasting deposits: blanket (3.01.01.095) | | Landslide: scar direction unknown (3.09.01.003) | | Ice-contact scarp (3.07.01.007) | | Dated sample location (3.14.01.018) |
| C | Colluvial and Mass-wasting deposits: undifferentiated (3.01.01.152) | | Landslide: scar direction known (3.09.01.003) | | Ice-thrust ridge (3.07.01.009) | | Sample location (3.14.01.006) |
| Ap | Alluvial sediments: floodplain (3.01.04.265) | | Retregressive thaw flow: direction unknown (3.09.01.004) | | Kame (3.07.01.002) | | |
| Af | Alluvial sediments: fan (3.01.04.257) | | Retregressive thaw flow: direction known (3.09.01.004) | | Esker ridge: buried, paleocurrent direction unknown (3.07.01.004) | | |
| Al | Alluvial sediments: intertidal or estuarine (3.01.04.255) | | Unspecified slope movement (3.09.01.005) | | Esker ridge: buried, paleocurrent direction known (3.07.01.003) | | |
| At | Alluvial sediments: terraced (3.01.04.269) | | Cryoplanation terrace scarp (3.12.01.014) | | Esker ridge: paleocurrent direction unknown (3.07.01.006) | | |
| Av | Alluvial sediments: veneer (3.01.04.252) | | Limit of permafrost (3.12.01.015) | | Esker ridge: paleocurrent direction known or inferred (3.07.01.005) | | |
| Ab | Alluvial sediments: blanket (3.01.04.267) | | Thermokarst depression: large (3.12.01.017) | | Esker ridge: with beach ridges/strandlines, paleocurrent direction unknown (3.07.01.011) | | |
| A | Alluvial sediments: undifferentiated (3.01.04.263) | | Thermokarst depression: small (3.12.01.006) | | Esker ridge: with beach ridges/strandlines, paleocurrent direction known or inferred (3.07.01.010) | | |
| Lr | Lacustrine sediments: beach (3.01.05.582) | | Patterned ground: large (3.12.01.016) | | Crevasse ridge (3.06.01.005) | | |
| Ld | Lacustrine sediments: deltaic (3.01.05.585) | | Patterned ground: small (3.12.01.002) | | Buried drumlinoid ridge: large (3.08.01.015) | | |
| Ln | Lacustrine sediments: littoral and nearshore (3.01.05.573) | | Felsenmeer: large (3.12.01.023) | | Buried drumlinoid ridge: small (3.08.01.002) | | |
| Lo | Lacustrine sediments: offshore (3.01.05.577) | | Felsenmeer: small (3.12.01.024) | | Drumlinoid ridge: large (3.08.01.018) | | |
| Lv | Lacustrine sediments: veneer (3.01.05.572) | | Palsa or lithalsa (3.12.01.001) | | Drumlinoid ridge: small (3.08.01.005) | | |
| Lb | Lacustrine sediments: blanket (3.01.05.575) | | Hummock (3.14.01.019) | | Buried drumlin ridge: large (3.08.01.014) | | |
| L | Lacustrine sediments: undifferentiated (3.01.05.583) | | Pingo (3.12.01.003) | | Buried drumlin ridge: small (3.08.01.001) | | |
| Mt | Marine sediments: terraced (3.01.06.495) | | Geoffification or softification lobe (3.12.01.022) | | Drumlin ridge: large (3.08.01.017) | | |
| Mr | Marine sediments: beach (3.01.06.497) | | Rock glacier (3.12.01.004) | | Drumlin ridge: small (3.08.01.004) | | |
| Md | Marine sediments: deltaic (3.01.06.507) | | Rock pingo (3.12.01.005) | | Buried crag-and-tail ridge: large (3.08.01.046) | | |
| Mi | Marine sediments: intertidal (3.01.06.492) | | Rock blister (3.12.01.012) | | Buried crag-and-tail ridge: small (3.08.01.045) | | |
| Mn | Marine sediments: littoral and nearshore (3.01.06.493) | | Ground ice observation (3.12.01.019) | | Crag-and-tail ridge: large (3.08.01.016) | | |
| Mo | Marine sediments: offshore (3.01.06.509) | | Paleowind measurement location (3.05.01.002) | | Crag-and-tail ridge: small (3.08.01.003) | | |
| Mv | Marine sediments: veneer (3.01.06.502) | | Deflation landform: paleowind direction unknown (3.05.01.007) | | Pre-crag ridge: large (3.08.01.040) | | |
| Mb | Marine sediments: blanket (3.01.06.505) | | Deflation landform: paleowind direction known (3.05.01.001) | | Pre-crag ridge: small (3.08.01.039) | | |
| M | Marine sediments: undifferentiated (3.01.06.503) | | Dune: active dune field (3.05.01.005) | | Large groove: ice flow direction unknown (3.08.01.022) | | |
| GMr | Gliaciomarine sediments: beach (3.01.09.487) | | Dune: large (3.05.01.003) | | Large groove: ice flow direction known (3.08.01.021) | | |
| GMd | Gliaciomarine sediments: deltaic (3.01.09.525) | | Dune: small, paleowind direction unknown (3.05.01.009) | | Fluted bedrock or drift: poorly defined, central long axis - ice flow direction unknown large (3.08.01.034) | | |
| GMI | Gliaciomarine sediments: intertidal (3.01.09.512) | | Dune: small, paleowind direction known (3.05.01.008) | | Fluted bedrock or drift: poorly defined, central long axis - ice flow direction unknown small (3.08.01.030) | | |
| GMn | Gliaciomarine sediments: littoral and nearshore (3.01.09.513) | | Extensive gullied terrain (3.14.01.005) | | Fluted bedrock or drift: poorly defined, central long axis - ice flow direction known large (3.08.01.033) | | |
| GMo | Gliaciomarine sediments: offshore (3.01.09.519) | | Eolian lag deposit (deflation surface) (3.05.01.006) | | Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.020) | | |
| GMf | Gliaciomarine sediments: submarine outwash-fan (3.01.09.527) | | Alluvial bar or levee ridge (3.14.01.009) | | Fluted bedrock or drift: central long axis - ice flow direction unknown small (3.08.01.007) | | |
| GMm | Gliaciomarine sediments: submarine moraine (3.01.09.517) | | Alluvial fan: paleocurrent direction unknown (3.10.01.001) | | Fluted bedrock or drift: central long axis - ice flow direction known large (3.08.01.019) | | |
| GMv | Gliaciomarine sediments: veneer (3.01.09.483) | | Alluvial fan: paleocurrent direction known (3.10.01.001) | | Ice-flow direction: unknown (3.08.01.025) | | |
| GMb | Gliaciomarine sediments: blanket (3.01.09.485) | | Lag deposit (washed scoured lag) (3.14.01.013) | | Ice-flow direction: known (3.08.01.024) | | |
| GM | Gliaciomarine sediments: undifferentiated (3.01.09.515) | | Reworked sediments (by waves, meltwater) (3.14.01.014) | | Sediment transport direction: paleoflow unknown (3.14.01.022) | | |
| GLr | Gliaciolacustrine sediments: beach (3.01.08.645) | | Surface boulder concentration (boulder lag) (3.14.01.015) | | Sediment transport direction: paleoflow known (3.14.01.021) | | |
| GLd | Gliaciolacustrine sediments: deltaic (3.01.08.613) | | Pre-existing coastline (3.13.01.011) | | Erratic observation (3.14.01.002) | | |
| GLn | Gliaciolacustrine sediments: littoral and nearshore (3.01.08.612) | | Terrace scarp (3.13.01.004) | | Dispersal train margin: approximate (3.08.01.043) | | |
| GLo | Gliaciolacustrine sediments: offshore (3.01.08.637) | | Ravine scarp (3.14.01.011) | | Dispersal train margin: approximate (3.08.01.044) | | |
| GLf | Gliaciolacustrine sediments: subaqueous outwash-fan (3.01.08.615) | | Erosional crest (3.14.01.020) | | Dispersal train margin: defined (3.08.01.041) | | |
| GLm | Gliaciolacustrine sediments: subaqueous moraine (3.01.08.617) | | Beach crest (3.13.01.002) | | Dispersal train margin: defined (3.08.01.042) | | |
| GLh | Gliaciolacustrine sediments: hummocky (3.01.08.635) | | Kettle: large (3.06.01.013) | | Ice stream margin: approximate (3.11.01.004) | | |
| GLv | Gliaciolacustrine sediments: veneer (3.01.08.642) | | Kettle: small (3.06.01.001) | | Ice stream margin: defined (3.11.01.003) | | |
| GLb | Gliaciolacustrine sediments: blanket (3.01.08.647) | | Limit of submergence: lacustrine approximate (3.11.01.012) | | Ice divide: approximate (3.11.01.002) | | |
| GL | Gliaciolacustrine sediments: undifferentiated (3.01.08.643) | | Limit of submergence: lacustrine defined (3.11.01.011) | | Ice divide: defined (3.11.01.001) | | |
| GFP | Gliaciofluvial sediments: outwash plain (3.01.07.249) | | Limit of submergence: marine approximate (3.11.01.014) | | Limit of glaciation: approximate (3.11.01.006) | | |
| GFi | Gliaciofluvial sediments: terraced (3.01.07.237) | | Limit of submergence: marine defined (3.11.01.013) | | Limit of glaciation: defined (3.11.01.005) | | |
| GFF | Gliaciofluvial sediments: outwash-fan (3.01.07.225) | | Delta: paleocurrent direction unknown (3.13.01.010) | | Til fabric measurement location: ice flow direction unknown (3.08.01.026) | | |
| GFl | Gliaciofluvial sediments: hummocky (3.01.07.215) | | Delta: paleocurrent direction known (3.13.01.001) | | Til fabric measurement location: ice flow direction known (3.08.01.012) | | |
| GFC | Gliaciofluvial sediments: ice-contact (3.01.07.217) | | Ice-contact delta: paleocurrent direction unknown (3.07.01.001) | | Paleocurrent measurement: bedrock (p, s-forms) (3.10.01.004) | | |
| GFK | Gliaciofluvial sediments: kame terrace (3.01.07.219) | | Ice-contact delta: paleocurrent direction known (3.07.01.001) | | Striation: poorly defined - ice flow direction unknown (3.08.01.009) | | |
| GFR | Gliaciofluvial sediments: esker (3.01.07.229) | | Ice-contact delta: paleocurrent direction known (3.07.01.001) | | Striation: poorly defined - ice flow direction known (3.08.01.008) | | |
| Gfv | Gliaciofluvial sediments: veneer (3.01.07.223) | | Iceberg scour: large (3.14.01.010) | | Striation: well defined - ice flow direction unknown (3.08.01.011) | | |
| Gfb | Gliaciofluvial sediments: blanket (3.01.07.247) | | Iceberg scour: small (3.14.01.001) | | Striation: well defined - ice flow direction known (3.08.01.010) | | |
| GF | Gliaciofluvial sediments: undifferentiated (3.01.07.235) | | Spillway: central axis, paleocurrent direction unknown (3.10.01.017) | | Striation: legacy data, poorly defined - ice flow direction unknown (3.08.01.036) | | |
| Tg | Glacial sediments: rock-glacierized moraine (3.01.10.357) | | Spillway: central axis, paleocurrent direction known (3.10.01.012) | | Striation: legacy data, poorly defined - ice flow direction known (3.08.01.035) | | |
| Th | Glacial sediments: hummocky till (3.01.10.375) | | Paleodrainage direction (3.10.01.010) | | Striation: legacy data, well defined - ice flow direction unknown (3.08.01.038) | | |
| Th1 | Glacial sediments: carbonaceous (3.01.10.377) | | Paleocurrent measurement: sediments (3.10.01.003) | | Striation: legacy data, well defined - ice flow direction known (3.08.01.037) | | |
| Tm | Glacial sediments: moraine complex (3.01.10.377) | | Delta (3.04.01.003) | | Crossed Striations (3.15.01.001) | | |
| Tm1 | Glacial sediments: carbonaceous (3.01.10.379) | | Delta: paleocurrent direction unknown (3.13.01.010) | | Tor (3.04.01.003) | | |
| Tr | Glacial sediments: ridged till, moraine (3.01.10.385) | | Ice-contact delta: paleocurrent direction unknown (3.07.01.001) | | Sinkhole: large (3.04.01.007) | | |
| Ts | Glacial sediments: streamlined till (3.01.10.387) | | Ice-contact delta: paleocurrent direction known (3.07.01.001) | | Sinkhole: small (3.04.01.001) | | |
| Ts1 | Glacial sediments: carbonaceous (3.01.10.389) | | Iceberg scarp (3.04.01.004) | | Cirque headwall (3.06.01.004) | | |
| Tp | Glacial sediments: till plain (3.01.10.439) | | Arête (3.06.01.003) | | Bedrock scarp (3.04.01.005) | | |
| Tp1 | Glacial sediments: carbonaceous (3.01.10.439) | | Lineament / lineation in bedrock (3.04.01.006) | | | | |
| Tx | Glacial sediments: weathered till (3.01.10.057) | | | | | | |
| Tv | Glacial sediments: veneer (3.01.10.355) | | | | | | |
| Tv1 | Glacial sediments: carbonaceous (3.01.10.355) | | | | | | |
| Tb | Glacial sediments: blanket (3.01.10.359) | | | | | | |
| Tb1 | Glacial sediments: carbonaceous (3.01.10.359) | | | | | | |
| T | Glacial sediments: undifferentiated (3.01.10.373) | | | | | | |
| Wv | Weathered bedrock or regolith: veneer (3.01.11.175) | | | | | | |
| Wv1 | Weathered bedrock or regolith: carbonaceous (3.01.11.175) | | | | | | |
| Wb | Weathered bedrock or regolith: blanket (3.01.11.169) | | | | | | |
| Wb1 | Weathered bedrock or regolith: carbonaceous (3.01.11.169) | | | | | | |
| W | Weathered bedrock or regolith: undifferentiated (3.01.11.177) | | | | | | |
| W1 | Weathered bedrock or regolith: carbonaceous (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) | | | | | | |
| R | | | | | | | |