

GSC Geologic Symbol Standard Style File - Surficial Symbols

These symbols accompany the GSC Surficial Geodatabase model version 2.3.14 and is up to date as of April 2018

Symbols are organized by legend order appearance

	Glacier ice or Snowpack: snowpacks (3.01.15.001)		Annular depression: large (3.14.01.023)		Spillway: central axis, paleocurrent direction unknown (3.10.01.017)		Ground ice observation (3.12.01.019)
	Glacier ice or Snowpack: Glacier-icefield-icecap (3.01.15.002)		Annular depression: small (3.14.01.024)		Spillway: central axis, paleocurrent direction known (3.10.01.012)		Erratic observation (3.14.01.002)
	Anthropogenic deposits: undifferentiated (3.01.14.715)		Nivation hollow (3.12.01.020)		Paleodrainage direction (3.10.01.010)		Kame (3.07.01.002)
	Organic deposits: fen (3.01.02.011)		Evaporites (3.14.01.017)		Melwater channel: minor paleocurrent direction unknown (3.10.01.009)		Tilt fabric measurement location: ice flow direction unknown (3.08.01.026)
	Organic deposits: bog (3.01.02.013)		Recently deglaciated area (3.06.01.014)		Melwater channel: minor paleocurrent direction known (3.10.01.008)		Tilt fabric measurement location: ice flow direction known (3.08.01.012)
	Organic deposits: salt marsh (3.01.02.015)		Thermokarst depression: large (3.12.01.017)		Melwater channel: minor lateral (3.10.01.006)		Stratton: poorly defined - ice flow direction unknown (3.08.01.009)
	Organic deposits: veneer (3.01.02.023)		Thermokarst depression: small (3.12.01.008)		Melwater channel: major paleocurrent direction unknown (3.10.01.005)		Stratton: poorly defined - ice flow direction known (3.08.01.008)
	Organic deposits: blanket (3.01.02.025)		Patterned ground: large (3.12.01.016)		Melwater channel: major paleocurrent direction known (3.10.01.005)		Stratton: well defined - ice flow direction unknown (3.08.01.011)
	Organic deposits: undifferentiated (3.01.02.012)		Patterned ground: small (3.12.01.002)		Subglacial melwater corridor margin: approximate (3.10.01.016)		Stratton: well defined - ice flow direction known (3.08.01.010)
	Eolian sediments: loess (3.01.03.295)		Felsenmeer: large (3.12.01.023)		Subglacial melwater corridor margin: defined (3.10.01.015)		Stratton: legacy data, poorly defined - ice flow direction unknown (3.08.01.036)
	Eolian sediments: dunes (3.01.03.299)		Felsenmeer: small (3.12.01.024)		Partly buried channel scarp (3.10.01.011)		Stratton: legacy data, poorly defined - ice flow direction known (3.08.01.035)
	Eolian sediments: veneer (3.01.03.292)		Dune: active dune field (3.05.01.005)		Buried valley: central axis, paleodrainage direction unknown (3.10.01.014)		Stratton: legacy data, well defined - ice flow direction unknown (3.08.01.038)
	Eolian sediments: undifferentiated (3.01.03.297)		Dune: small, paleowind direction unknown (3.05.01.009)		Buried valley: central axis, paleodrainage direction known (3.10.01.013)		Stratton: legacy data, well defined - ice flow direction known (3.08.01.037)
	Eolian sediments: undifferentiated (3.01.03.297)		Dune: small, paleowind direction known (3.05.01.008)		Moraine ridge: minor large (3.06.01.012)		Crossed Strattons (3.15.01.001)
	Colluvial and Mass-wasting deposits: fan (3.01.01.107)		Extensive gullied terrain (3.14.01.005)		Moraine ridge: minor small, orientation unknown (3.06.01.017)		Tor (3.04.01.003)
	Colluvial and Mass-wasting deposits: apron or talus scree (3.01.01.097)		Eolian lag deposit (deflation surface) (3.05.01.006)		Moraine ridge: minor small, orientation known (3.06.01.015)		Mineral occurrence (3.04.01.008)
	Colluvial and Mass-wasting deposits: landslide (3.01.01.155)		Lag deposit (washed scoured lag) (3.14.01.013)		Moraine ridge: major lateral (3.06.01.006)		Gossan observation (3.14.01.004)
	Colluvial and Mass-wasting deposits: rock-glacier (3.01.01.139)		Reworked sediments (by waves, meltwater) (3.14.01.014)		Moraine ridge: major medial (3.06.01.008)		Outcrop, small (3.04.01.002)
	Colluvial and Mass-wasting deposits: veneer (3.01.01.092)		Surface boulder concentration (boulder field) (3.14.01.015)		Moraine ridge: major end (3.06.01.010)		Drillhole location (3.03.01.001)
	Colluvial and Mass-wasting deposits: blanket (3.01.01.095)		Kettle: large (3.06.01.013)		Moraine ridge: major end ice-cored (3.06.01.007)		Fossil observation (3.14.01.003)
	Colluvial and Mass-wasting deposits: undifferentiated (3.01.01.152)		Kettle: small (3.06.01.001)		Moraine ridge: major medial ice-cored (3.06.01.009)		Station location: remote observation (3.14.01.008)
	Alluvial sediments: floodplain (3.01.04.265)		Sinkhole: large (3.04.01.007)		Moraine ridge: major end ice-cored (3.06.01.011)		Station location: ground observation (3.14.01.007)
	Alluvial sediments: fan (3.01.04.257)		Sinkhole: small (3.04.01.001)		Ice-contact scarp (3.07.01.007)		Dated sample location (3.14.01.018)
	Alluvial sediments: intertidal or estuarine (3.01.04.255)		Pit: large inactive (3.03.01.009)		Ice-pushed ridge (3.07.01.008)		Sample location (3.14.01.006)
	Alluvial sediments: terraced (3.01.04.269)		Pit: large active (3.03.01.009)		Ice-thrust ridge (3.07.01.009)		
	Alluvial sediments: veneer (3.01.04.252)		Pit: small inactive (3.03.01.003)		Esker ridge: buried, paleocurrent direction unknown (3.07.01.004)		
	Alluvial sediments: blanket (3.01.04.287)		Pit: small active (3.03.01.002)		Esker ridge: buried, paleocurrent direction known (3.07.01.003)		
	Alluvial sediments: undifferentiated (3.01.04.263)		Mine tailing (3.03.01.007)		Esker ridge: paleocurrent direction unknown (3.07.01.006)		
	Lacustrine sediments: beach (3.01.05.582)		Made ground (fill) (3.03.01.008)		Esker ridge: paleocurrent direction known or inferred (3.07.01.005)		
	Lacustrine sediments: deltaic (3.01.05.585)		Quarry: large inactive (3.03.01.010)		Esker ridge: with beach ridges/strandlines, paleocurrent direction unknown (3.07.01.011)		
	Lacustrine sediments: littoral and nearshore (3.01.05.573)		Quarry: large active (3.03.01.010)		Esker ridge: with beach ridges/strandlines, paleocurrent direction known or inferred (3.07.01.010)		
	Lacustrine sediments: offshore (3.01.05.577)		Quarry: small inactive (3.03.01.005)		Crevasse ridge (3.06.01.005)		
	Lacustrine sediments: veneer (3.01.05.572)		Quarry: small active (3.03.01.004)		Buried drumlinoid ridge: large (3.08.01.015)		
	Lacustrine sediments: blanket (3.01.05.575)		Peat bog mining (3.03.01.008)		Buried drumlinoid ridge: small (3.08.01.002)		
	Lacustrine sediments: undifferentiated (3.01.05.583)		Geological contact: defined (3.02.01.001)		Drumlinoid ridge: large (3.08.01.018)		
	Marine sediments: terraced (3.01.06.495)		Geological contact: approximate (3.02.01.002)		Drumlinoid ridge: small (3.08.01.005)		
	Marine sediments: beach (3.01.06.497)		Geological contact: inferred (3.02.01.003)		Buried drumlin ridge: large (3.08.01.014)		
	Marine sediments: deltaic (3.01.06.507)		Geological contact: concealed (3.02.01.004)		Buried drumlin ridge: small (3.08.01.001)		
	Marine sediments: intertidal (3.01.06.492)		Limit of mapping (3.02.01.005)		Drumlin ridge: large (3.08.01.017)		
	Marine sediments: littoral and nearshore (3.01.06.493)		Tension fracture (3.09.01.010)		Drumlin ridge: small (3.08.01.004)		
	Marine sediments: offshore (3.01.06.509)		Avalanche track: large (3.09.01.008)		Buried crag-and-tail ridge: large (3.08.01.046)		
	Marine sediments: offshore (3.01.06.509)		Avalanche track: small (3.09.01.001)		Buried crag-and-tail ridge: small (3.08.01.045)		
	Marine sediments: veneer (3.01.06.502)		Debris flow track: large (3.09.01.009)		Crag-and-tail ridge: large (3.08.01.016)		
	Marine sediments: blanket (3.01.06.505)		Debris flow track: small (3.09.01.002)		Pre-crag ridge: large (3.08.01.040)		
	Marine sediments: undifferentiated (3.01.06.503)		Landslide: escarpment inactive (3.09.01.007)		Pre-crag ridge: small (3.08.01.039)		
	Glaciomarine sediments: beach (3.01.09.487)		Landslide: escarpment active (3.09.01.006)		Large groove: ice flow direction unknown (3.08.01.022)		
	Glaciomarine sediments: deltaic (3.01.09.525)		Landslide: scar direction unknown (3.09.01.003)		Large groove: ice flow direction known (3.08.01.021)		
	Glaciomarine sediments: intertidal (3.01.09.512)		Landslide: scar direction known (3.09.01.003)		Fluted bedrock or drift: poorly defined, central long axis - ice flow direction unknown large (3.08.01.034)		
	Glaciomarine sediments: littoral and nearshore (3.01.09.513)		Retrospective thaw flow: direction unknown (3.09.01.004)		Fluted bedrock or drift: poorly defined, central long axis - ice flow direction unknown small (3.08.01.030)		
	Glaciomarine sediments: offshore (3.01.09.519)		Retrospective thaw flow: direction known (3.09.01.004)		Fluted bedrock or drift: poorly defined, central long axis - ice flow direction known large (3.08.01.033)		
	Glaciomarine sediments: submarine outwash fan (3.01.09.527)		Unspecified slope movement (3.09.01.005)		Fluted bedrock or drift: poorly defined, central long axis - ice flow direction known small (3.08.01.029)		
	Glaciomarine sediments: submarine moraine (3.01.09.517)		Crop/naplation terrace scarp (3.12.01.014)		Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.020)		
	Glaciomarine sediments: veneer (3.01.09.483)		Limit of permafrost (3.12.01.015)		Fluted bedrock or drift: central long axis - ice flow direction unknown small (3.08.01.007)		
	Glaciomarine sediments: blanket (3.01.09.485)		Sediment transport direction: paleoflow unknown (3.14.01.022)		Fluted bedrock or drift: central long axis - ice flow direction known large (3.08.01.019)		
	Glaciomarine sediments: undifferentiated (3.01.09.515)		Sediment transport direction: paleoflow known (3.14.01.021)		Fluted bedrock or drift: central long axis - ice flow direction known small (3.08.01.006)		
	Glaciolacustrine sediments: beach (3.01.08.645)		Pre-existing coastline (3.13.01.011)		Cirque headwall (3.06.01.004)		
	Glaciolacustrine sediments: deltaic (3.01.08.613)		Alluvial bar or knee ridge (3.14.01.009)		Arête (3.06.01.003)		
	Glaciolacustrine sediments: littoral and nearshore (3.01.08.612)		Terrace scarp (3.13.01.004)		Ice-flow direction: unknown (3.08.01.025)		
	Glaciolacustrine sediments: offshore (3.01.08.637)		Erosional crest (3.14.01.020)		Ice-flow direction: known (3.08.01.024)		
	Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.615)		Beach crest (3.13.01.002)		Limit of glaciation: approximate (3.11.01.006)		
	Glaciolacustrine sediments: subaqueous moraine (3.01.08.617)		Limit of submergence: lacustrine approximate (3.11.01.012)		Limit of glaciation: defined (3.11.01.005)		
	Glaciolacustrine sediments: hummocky (3.01.08.635)		Limit of submergence: lacustrine defined (3.11.01.011)		Dispersal train margin: approximate (3.08.01.043)		
	Glaciolacustrine sediments: veneer (3.01.08.642)		Limit of submergence: marine approximate (3.11.01.014)		Dispersal train margin: approximate (3.08.01.044)		
	Glaciolacustrine sediments: blanket (3.01.08.647)		Limit of submergence: marine defined (3.11.01.013)		Ice stream margin: approximate (3.11.01.004)		
	Glaciolacustrine sediments: undifferentiated (3.01.08.643)		Limit of submergence: glaciomarine approximate (3.11.01.010)		Ice stream margin: defined (3.11.01.003)		
	Glaciolacustrine sediments: outwash plain (3.01.07.249)		Limit of submergence: glaciolacustrine approximate (3.11.01.009)		Ice divide: approximate (3.11.01.002)		
	Glaciolacustrine sediments: terraced (3.01.07.237)		Limit of submergence: glaciolacustrine defined (3.11.01.008)		Ice divide: defined (3.11.01.001)		
	Glaciolacustrine sediments: outwash fan (3.01.07.225)		Iceberg scour: large (3.14.01.010)		Bedrock scarp (3.04.01.005)		
	Glaciolacustrine sediments: hummocky (3.01.07.215)		Iceberg scour: small (3.14.01.001)		Lineament / lineation in bedrock (3.04.01.006)		
	Glaciolacustrine sediments: ice-contact (3.01.07.217)		Palsa or lithalsa (3.12.01.001)		Palma or lithalsa (3.12.01.001)		
	Glaciolacustrine sediments: kame terrace (3.01.07.219)		Hummock (3.14.01.019)		Pingo (3.12.01.003)		
	Glaciolacustrine sediments: esker (3.01.07.229)		Gelifluction or solifluction lobe (3.12.01.022)		Gelifluction or solifluction lobe (3.12.01.022)		
	Glaciolacustrine sediments: veneer (3.01.07.223)		Rock glacier (3.12.01.004)		Rock glacier (3.12.01.004)		
	Glaciolacustrine sediments: blanket (3.01.07.247)		Rock pingo (3.12.01.005)		Rock pingo (3.12.01.005)		
	Glaciolacustrine sediments: undifferentiated (3.01.07.235)		Rock blister (3.12.01.012)		Rock blister (3.12.01.012)		
	Glacial sediments: rock-glacierized moraine (3.01.10.357)		Rock burst (3.12.01.013)		Rock burst (3.12.01.013)		
	Glacial sediments: hummocky till (3.01.10.375)		Paleowind measurement location (3.05.01.002)		Paleowind measurement location (3.05.01.002)		
	Glacial sediments: moraine complex (3.01.10.377)		Deflation landform: paleowind direction unknown (3.05.01.007)		Deflation landform: paleowind direction unknown (3.05.01.007)		
	Glacial sediments: ridged till, moraine (3.01.10.385)		Deflation landform: paleowind direction known (3.05.01.001)		Deflation landform: paleowind direction known (3.05.01.001)		
	Glacial sediments: streamlined till (3.01.10.387)		Spring, hot/spring, cold water spring observation location (3.14.01.012)		Spring, hot/spring, cold water spring observation location (3.14.01.012)		
	Glacial sediments: till plain (3.01.10.439)		Piping depression (3.10.01.002)		Piping depression (3.10.01.002)		
	Glacial sediments: weathered till (3.01.10.057)		Alluvial fan: paleocurrent direction unknown (3.10.01.001)		Alluvial fan: paleocurrent direction unknown (3.10.01.001)		
	Glacial sediments: veneer (3.01.10.355)		Alluvial fan: paleocurrent direction known (3.10.01.001)		Alluvial fan: paleocurrent direction known (3.10.01.001)		
	Glacial sediments: blanket (3.01.10.359)		Delta: paleocurrent direction unknown (3.13.01.010)		Delta: paleocurrent direction unknown (3.13.01.010)		
	Glacial sediments: undifferentiated (3.01.10.373)		Delta: paleocurrent direction known (3.13.01.001)		Delta: paleocurrent direction known (3.13.01.001)		
	Weathered bedrock or regolith: veneer (3.01.11.175)		Ice-contact delta: paleocurrent direction unknown (3.07.01.001)		Ice-contact delta: paleocurrent direction unknown (3.07.01.001)		
	Weathered bedrock or regolith: blanket (3.01.11.169)		Ice-contact delta: paleocurrent direction known (3.07.01.001)		Ice-contact delta: paleocurrent direction known (3.07.01.001)		
	Weathered bedrock or regolith: undifferentiated (3.01.11.177)		Paleocurrent measurement: sediments (3.10.01.003)		Paleocurrent measurement: sediments (3.10.01.003)		
	Volcanic deposits: pyroclastic sediments (3.01.16.705)						