

GSC Geologic Symbol Standard Style File - Surficial Symbols

These symbols accompany the GSC Surficial Geodatabase model version 2.3 and is up to date as of February 1st, 2017

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)		Kame (3.07.01.002)
	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)		Tilt fabric measurement location: ice flow direction unknown (3.08.01.026)
	Anthropogenic deposits: undifferentiated (3.01.14.715)		Nivation hollow (3.12.01.020) <small>Central must be added with CartographicConvention</small>		Paleodrainage direction (3.10.01.010)		Tilt fabric measurement location: ice flow direction known (3.08.01.012)
	Organic deposits: fen (3.01.02.011)		Evaporites (3.14.01.017)		Melwater channel: minor paleocurrent direction unknown (3.10.01.009)		Striation: poorly defined - ice flow direction unknown (3.08.01.009)
	Organic deposits: bog (3.01.02.013)		Recently deglaciated area (3.06.01.014) <small>Special marker symbol needs to be added</small>		Melwater channel: minor paleocurrent direction known (3.10.01.008)		Striation: poorly defined - ice flow direction known (3.08.01.008)
	Organic deposits: salt marsh (3.01.02.015)		Thermokarst depression: large (3.12.01.017) <small>Central must be added with CartographicConvention</small>		Melwater channel: minor lateral (3.10.01.006) <small>Open side must be defined by legend</small>		Striation: well defined - ice flow direction unknown (3.08.01.011)
	Organic deposits: veneer (3.01.02.023)		Thermokarst depression: small (3.12.01.008)		Melwater channel: minor lateral (3.10.01.007) <small>Open side must be defined by legend</small>		Striation: well defined - ice flow direction known (3.08.01.010)
	Organic deposits: blanket (3.01.02.025)		Patterned ground: large (3.12.01.016)		Melwater channel: major paleocurrent direction unknown (3.10.01.005) <small>Open side must be defined by legend</small>		Striation: legacy data, poorly defined - ice flow direction unknown (3.08.01.036)
	Organic deposits: undifferentiated (3.01.02.012)		Patterned ground: small (3.12.01.002)		Melwater channel: major paleocurrent direction known (3.10.01.005) <small>Open side must be defined by legend</small>		Striation: legacy data, poorly defined - ice flow direction known (3.08.01.035)
	Eolian sediments: loess (3.01.03.295)		Felsenmeer: large (3.12.01.023)		Subglacial meltwater corridor margin: approximate (3.10.01.016) <small>Open side must be defined by legend</small>		Striation: legacy data, well defined - ice flow direction unknown (3.08.01.038)
	Eolian sediments: dunes (3.01.03.299)		Felsenmeer: small (3.12.01.024)		Subglacial meltwater corridor margin: defined (3.10.01.015) <small>Open side must be defined by legend</small>		Striation: legacy data, well defined - ice flow direction known (3.08.01.037)
	Eolian sediments: veneer (3.01.03.292)		Dune: active dune field (3.05.01.005)		Partly buried channel scarp (3.10.01.011) <small>Open side must be defined by legend</small>		Crossed Striations (3.15.01.001) <small>Special marker symbol needs to be added</small>
	Eolian sediments: undifferentiated (3.01.03.297)		Dune: small, paleowind direction unknown (3.05.01.009)		Buried valley: central axis, paleodrainage direction unknown (3.10.01.014)		Tor (3.04.01.003)
	Colluvial and Mass-wasting deposits: fan (3.01.01.107)		Dune: small, paleowind direction known (3.05.01.008) <small>Marker symbol should be oriented</small>		Buried valley: central axis, paleodrainage direction known (3.10.01.013)		Mineral occurrence (3.04.01.008) <small>Mineral identification - approved (2.03.01.002) must be added manually</small>
	Colluvial and Mass-wasting deposits: apron or talus scree (3.01.01.097) <small>Cd1 - stratified, Cd2 - unstratified</small>		Extensive gullied terrain (3.14.01.005)		Moraine ridge: minor large (3.06.01.012) <small>Special marker symbol needs to be added</small>		Gossan observation (3.14.01.004)
	Colluvial and Mass-wasting deposits: landslide (3.01.01.155) <small>Cz1 - avalanche, Cz2 - mud flow, Cz3 - retrogressive thaw flow, Cz4 - rotational landslide, Cz5 - translational landslide</small>		Eolian lag deposit (deflation surface) (3.05.01.006)		Moraine ridge: minor small, orientation known (3.06.01.015) <small>Marker symbol should be oriented</small>		Outcrop, small (3.04.01.002)
	Colluvial and Mass-wasting deposits: rock-glacier (3.01.01.139)		Lag deposit (washed scoured lag) (3.14.01.013)		Moraine ridge: minor small, orientation unknown (3.06.01.017) <small>Marker symbol should be oriented</small>		Drillhole location (3.03.01.001)
	Colluvial and Mass-wasting deposits: veneer (3.01.01.092)		Reworked sediments (by waves, meltwater) (3.14.01.014)		Moraine ridge: major lateral (3.06.01.006)		Fossil observation (3.14.01.003)
	Colluvial and Mass-wasting deposits: blanket (3.01.01.095)		Surface boulder concentration (boulder lag) (3.14.01.015)		Moraine ridge: major medial (3.06.01.008)		Station location: remote observation (3.14.01.008)
	Colluvial and Mass-wasting deposits: undifferentiated (3.01.01.152)		Kettle: large (3.06.01.013) <small>Central must be added with CartographicConvention</small>		Moraine ridge: major end (3.06.01.010)		Station location: ground observation (3.14.01.007)
	Alluvial sediments: floodplain (3.01.04.265)		Kettle: small (3.06.01.001) <small>Central must be added with CartographicConvention</small>		Moraine ridge: major lateral ice-cored (3.06.01.007)		Dated sample location (3.14.01.018) <small>Mineral identification - approved (2.03.01.002) must be added manually</small>
	Alluvial sediments: fan (3.01.04.257)		Sinkhole: large (3.04.01.007) <small>Central must be added with CartographicConvention</small>		Moraine ridge: major medial ice-cored (3.06.01.009)		Sample location (3.14.01.006) <small>Mineral identification - approved (2.03.01.002) must be added manually</small>
	Alluvial sediments: intertidal or estuarine (3.01.04.255)		Sinkhole: small (3.04.01.001)		Ice-contact scarp (3.07.01.007)		
	Alluvial sediments: terraced (3.01.04.269)		Pit: large inactive (3.03.01.009) <small>Central must be added with CartographicConvention</small>		Ice-pushed ridge (3.07.01.008)		
	Alluvial sediments: veneer (3.01.04.252)		Pit: large active (3.03.01.009) <small>Central must be added with CartographicConvention</small>		Ice-thrust ridge (3.07.01.009)		
	Alluvial sediments: blanket (3.01.04.287)		Pit: small inactive (3.03.01.003)		Esker ridge: buried, paleocurrent direction unknown (3.07.01.004)		
	Alluvial sediments: undifferentiated (3.01.04.263)		Pit: small active (3.03.01.002)		Esker ridge: buried, paleocurrent direction known (3.07.01.003)		
	Lacustrine sediments: beach (3.01.05.582)		Mine tailing (3.03.01.007)		Esker ridge: paleocurrent direction unknown (3.07.01.006)		
	Lacustrine sediments: deltaic (3.01.05.585)		Made ground (fill) (3.03.01.008)		Esker ridge: paleocurrent direction known or inferred (3.07.01.005)		
	Lacustrine sediments: littoral and nearshore (3.01.05.573)		Quarry: large inactive (3.03.01.010) <small>Central must be added with CartographicConvention</small>		Esker ridge: with beach ridges/strandlines, paleocurrent direction unknown (3.07.01.011)		
	Lacustrine sediments: offshore (3.01.05.577)		Quarry: large active (3.03.01.010) <small>Special marker symbol needs to be added</small>		Esker ridge: with beach ridges/strandlines, paleocurrent direction known or inferred (3.07.01.010)		
	Lacustrine sediments: veneer (3.01.05.572)		Quarry: small inactive (3.03.01.005)		Crevasse (3.06.01.005)		
	Lacustrine sediments: blanket (3.01.05.575)		Quarry: small active (3.03.01.004)		Drumlinoid ridge: buried large (3.08.01.015)		
	Lacustrine sediments: undifferentiated (3.01.05.583)		Peat bog mining (3.03.01.008)		Drumlinoid ridge: buried small (3.08.01.002) <small>Marker symbol should be oriented</small>		
	Marine sediments: terraced (3.01.06.495)		Geological contact: defined (3.02.01.001)		Drumlinoid ridge: large (3.08.01.018)		
	Marine sediments: beach (3.01.06.497)		Geological contact: approximate (3.02.01.002)		Drumlinoid ridge: small (3.08.01.005) <small>Marker symbol should be oriented</small>		
	Marine sediments: deltaic (3.01.06.507)		Geological contact: inferred (3.02.01.003)		Drumlin ridge: buried large (3.08.01.014)		
	Marine sediments: intertidal (3.01.06.492)		Geological contact: concealed (3.02.01.004)		Drumlin ridge: buried small (3.08.01.001) <small>Marker symbol should be oriented</small>		
	Marine sediments: littoral and nearshore (3.01.06.493)		Limit of mapping (3.02.01.005)		Drumlin ridge: large (3.08.01.017)		
	Marine sediments: offshore (3.01.06.509)		Tension fracture (3.09.01.010)		Drumlin ridge: small (3.08.01.004)		
	Marine sediments: veneer (3.01.06.502)		Avalanche track: large (3.09.01.008)		Crag-and-tail ridge: large (3.08.01.016) <small>Marker symbol should be oriented</small>		
	Marine sediments: blanket (3.01.06.505)		Avalanche track: small (3.09.01.001) <small>Marker symbol should be oriented</small>		Crag-and-tail ridge: small (3.08.01.003) <small>Marker symbol should be oriented</small>		
	Marine sediments: undifferentiated (3.01.06.503)		Debris flow track: large (3.09.01.009)		Pre-crag ridge: large (3.08.01.040)		
	Glaciomarine sediments: beach (3.01.09.487)		Debris flow track: small (3.09.01.002) <small>Marker symbol should be oriented</small>		Pre-crag ridge: small (3.08.01.039) <small>Marker symbol should be oriented</small>		
	Glaciomarine sediments: deltaic (3.01.09.525)		Landslide: escarpment inactive (3.09.01.007) <small>Special marker symbol needs to be added</small>		Large groove: ice flow direction unknown (3.08.01.022)		
	Glaciomarine sediments: intertidal (3.01.09.512)		Landslide: escarpment active (3.09.01.006) <small>Special marker symbol needs to be added</small>		Large groove: ice flow direction known (3.08.01.021)		
	Glaciomarine sediments: littoral and nearshore (3.01.09.513)		Landslide: scar direction unknown (3.09.01.003)		Fluted bedrock or drift: poorly defined, central long axis - ice flow direction unknown large (3.08.01.034)		
	Glaciomarine sediments: offshore (3.01.09.519)		Landslide: scar direction known (3.09.01.003) <small>Marker symbol should be oriented</small>		Fluted bedrock or drift: poorly defined, central long axis - ice flow direction unknown small (3.08.01.030) <small>Marker symbol should be oriented</small>		
	Glaciomarine sediments: submarine outwash fan (3.01.09.527)		Retrospective thaw flow: direction unknown (3.09.01.004)		Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.033)		
	Glaciomarine sediments: submarine moraine (3.01.09.517)		Retrospective thaw flow: direction known (3.09.01.004) <small>Marker symbol should be oriented</small>		Fluted bedrock or drift: central long axis - ice flow direction unknown small (3.08.01.029)		
	Glaciomarine sediments: veneer (3.01.09.483)		Unspecified slope movement (3.09.01.005) <small>Marker symbol should be oriented</small>		Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.020)		
	Glaciomarine sediments: blanket (3.01.09.485)		Cryoplanation terrace (3.12.01.014)		Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.024)		
	Glaciomarine sediments: undifferentiated (3.01.09.515)		Limit of permafrost (3.12.01.015)		Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.019)		
	Glaciolacustrine sediments: beach (3.01.08.645)		Sediment transport direction: paleoflow unknown (3.14.01.022)		Fluted bedrock or drift: central long axis - ice flow direction unknown large (3.08.01.016)		
	Glaciolacustrine sediments: deltaic (3.01.08.613)		Sediment transport direction: paleoflow known (3.14.01.021)		Cirque headwall (3.06.01.004)		
	Glaciolacustrine sediments: littoral and nearshore (3.01.08.612)		Pre-existing coastline (3.13.01.011)		Arête (3.06.01.003)		
	Glaciolacustrine sediments: offshore (3.01.08.637)		Alluvial bar or levee ridge (3.14.01.009)		Ice-flow direction: unknown (3.08.01.025)		
	Glaciolacustrine sediments: subaqueous outwash fan (3.01.08.615)		Terrace scarp (3.13.01.004)		Ice-flow direction: known (3.08.01.024)		
	Glaciolacustrine sediments: subaqueous moraine (3.01.08.617)		Ravine scarp (3.14.01.011) <small>Open side must be defined by legend</small>		Limit of glaciation: approximate (3.11.01.006)		
	Glaciolacustrine sediments: hummocky (3.01.08.635)		Erosional crest (3.14.01.020)		Limit of glaciation: defined (3.11.01.005)		
	Glaciolacustrine sediments: veneer (3.01.08.642)		Beach crest (3.13.01.002) <small>Marker must be added with CartographicConvention</small>		Dispersal train margin: approximate (3.08.01.043) <small>Use this Special marker symbol needs to be added</small>		
	Glaciolacustrine sediments: blanket (3.01.08.647)		Limit of submergence: lacustrine approximate (3.11.01.012)		Dispersal train margin: approximate (3.08.01.044) <small>Right side must be defined by legend</small>		
	Glaciolacustrine sediments: undifferentiated (3.01.08.643)		Limit of submergence: lacustrine defined (3.11.01.011)		Dispersal train margin: defined (3.08.01.041) <small>Use this Special marker symbol needs to be added</small>		
	Glaciolacustrine sediments: outwash plain (3.01.07.249)		Limit of submergence: marine approximate (3.11.01.014)		Dispersal train margin: defined (3.08.01.042)		
	Glaciolacustrine sediments: terraced (3.01.07.237)		Limit of submergence: marine defined (3.11.01.013)		Ice stream margin: approximate (3.11.01.004) <small>Open side must be defined by legend</small>		
	Glaciolacustrine sediments: outwash fan (3.01.07.225) <small>GFI - subaerial, GFI - subaqueous</small>		Limit of submergence: glaciomarine approximate (3.11.01.010)		Ice stream margin: defined (3.11.01.003) <small>Open side must be defined by legend</small>		
	Glaciolacustrine sediments: hummocky (3.01.07.215)		Limit of submergence: glaciomarine defined (3.11.01.009)		Ice divide: approximate (3.11.01.002)		
	Glaciolacustrine sediments: ice-contact (3.01.07.217)		Limit of submergence: glaciolacustrine approximate (3.11.01.008)		Ice divide: defined (3.11.01.001)		
	Glaciolacustrine sediments: kame terrace (3.01.07.219)		Limit of submergence: glaciolacustrine defined (3.11.01.007)		Bedrock scarp (3.04.01.005)		
	Glaciolacustrine sediments: esker (3.01.07.229)		Limit of submergence: glaciolacustrine defined (3.11.01.006)		Lineament / Inclusion in bedrock (3.04.01.006)		
	Glaciolacustrine sediments: veneer (3.01.07.223)		Limit of submergence: glaciolacustrine defined (3.11.01.005)		Palsa or lithalsa (3.12.01.001)		
	Glaciolacustrine sediments: blanket (3.01.07.247)		Limit of submergence: glaciolacustrine defined (3.11.01.004)		Hummock (3.14.01.019)		
	Glaciolacustrine sediments: undifferentiated (3.01.07.235)		Limit of submergence: glaciolacustrine defined (3.11.01.003)		Pinglo (3.12.01.003)		
	Glacial sediments: rock-glacierized moraine (3.01.10.357)		Limit of submergence: glaciolacustrine defined (3.11.01.002)		Gullification or solifluction lobe (3.12.01.022)		
	Glacial sediments: hummocky till (3.01.10.375) <small>Th1 - carbonaceous</small>		Limit of submergence: glaciolacustrine defined (3.11.01.001)		Rock glacier (3.12.01.004)		
	Glacial sediments: moraine complex (3.01.10.377) <small>Th1 - carbonaceous/carbonate</small>		Ice-contact delta: paleocurrent direction unknown (3.07.01.001) <small>Marker symbol should be oriented</small>		Rock pingo (3.12.01.005)		
	Glacial sediments: ridged till, moraine (3.01.10.385) <small>Tr1 - carbonaceous/carbonate</small>		Ice-contact delta: paleocurrent direction known (3.07.01.001) <small>Marker symbol should be oriented</small>		Rock blister (3.12.01.012)		
	Glacial sediments: streamlined till (3.01.10.387) <small>Tr1 - carbonaceous/carbonate</small>		Ice-contact delta: paleocurrent direction known (3.07.01.001) <small>Marker symbol should be oriented</small>		Rock burst (3.12.01.013)		
	Glacial sediments: till plain (3.01.10.439) <small>Tr1 - carbonaceous/carbonate</small>		Paleowind measurement location (3.05.01.002) <small>Marker symbol should be oriented</small>		Paleowind measurement location (3.05.01.002) <small>Marker symbol should be oriented</small>		
	Glacial sediments: weathered till (3.01.10.057) <small>Tr1 - carbonaceous/carbonate</small>		Deflation landform: paleowind direction unknown (3.05.01.007)		Deflation landform: paleowind direction known (3.05.01.001) <small>Marker symbol should be oriented</small>		
	Glacial sediments: veneer (3.01.10.355) <small>Tr1 - carbonaceous/carbonate</small>		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:						