
































































































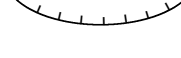




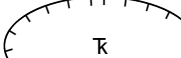

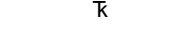




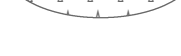
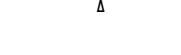
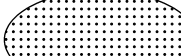
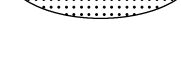
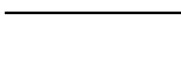

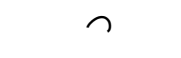










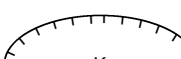


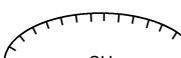








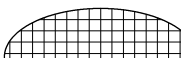









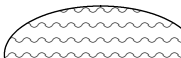
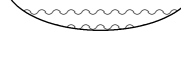



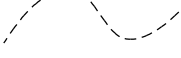


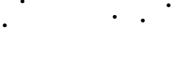

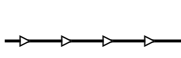



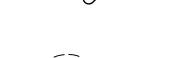


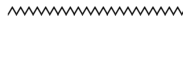
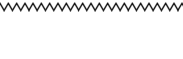












GSC Geologic Symbol Standard Style File - Surficial Symbols

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

Symbols are organized by legend order appearance

	Isn	Glacier ice or Snowpack: snowpacks (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 (3.01.02.011)
	Owb	Organic deposits: bog (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)
	El	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)
	Cr	Colluvial and Mass-wasting deposits: fan (3.01.01.107)
	Ca	Colluvial and Mass-wasting deposits: apron or talus scree (3.01.01.097) <i>Ca1 - screeless, Ca2 - unstratified</i>
	Cz	Colluvial and Mass-wasting deposits: landslide (3.01.01.155) <i>Cz1 - rotational, Cz2 - mud flow, Cz3 - retrogressive flow flow, Cz4 - rotational landslide, Cz5 - translational landslide</i>
	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 (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 (3.01.05.585)
	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 (3.01.09.487)
	GMd	Glaciomarine sediments: deltaic (3.01.09.525)
	GMI	Glaciomarine sediments: intertidal (3.01.09.512)
	GMn	Glaciomarine sediments: littoral and nearshore (3.01.09.513)
	GMo	Glaciomarine sediments: offshore (3.01.09.519)
	GMF	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) <i>GFF1 - subaerial, GFF2 - subaqueous</i>
	GFh	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)
	GFR	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)
	Tg	Glacial sediments: rock-glacierized moraine (3.01.10.357)
	Th	Glacial sediments: hummocky till (3.01.10.375) <i>Th1 - carbonate/calcareous</i>
	Tm	Glacial sediments: moraine complex (3.01.10.377) <i>Tm1 - carbonate/calcareous</i>
	Tr	Glacial sediments: ridged till, moraine (3.01.10.385) <i>Tr1 - carbonate/calcareous</i>
	Ts	Glacial sediments: streamlined till (3.01.10.387) <i>Ts1 - carbonate/calcareous</i>
	Tp	Glacial sediments: till plain (3.01.10.439) <i>Tp1 - carbonate/calcareous</i>
	Tx	Glacial sediments: weathered till (3.01.10.057) <i>Tx1 - carbonate/calcareous</i>
	Tv	Glacial sediments: veneer (3.01.10.355) <i>Tv1 - carbonate/calcareous</i>
	Tb	Glacial sediments: blanket (3.01.10.359) <i>Tb1 - carbonate/calcareous</i>
	T	Glacial sediments: undifferentiated (3.01.10.373)
	Wv	Weathered bedrock or regolith: veneer (3.01.11.175) <i>Wv1 - carbonate/calcareous</i>
	Wb	Weathered bedrock or regolith: blanket (3.01.11.169) <i>Wb1 - carbonate/calcareous</i>
	W	Weathered bedrock or regolith: undifferentiated (3.01.11.177) <i>W1 - carbonate/calcareous</i>
	Vpy	Volcanic deposits: pyroclastic sediments (3.01.16.705)
	V	Volcanic deposits: undifferentiated (3.01.16.707)
	U	Undifferentiated deposits: undifferentiated (3.01.12.062)
	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)
		Annular depression: large (3.14.01.023)
		Annular depression: small (3.14.01.024)
	N	Nivation hollow (3.12.01.020) <i>Marker symbol should be oriented</i>
		Evaporites (3.14.01.017)
		Recently deglaciated area (3.06.01.014) <i>Marker symbol should be oriented</i>
	K	Thermokarst depression: large (3.12.01.017) <i>Central must be added with ContourIntegration</i>
	K	Thermokarst depression: small (3.12.01.008)
		Patterned ground: large (3.12.01.016)
	#	Patterned ground: small (3.12.01.002)
		Felsenmeer: large (3.12.01.023)
	A	Felsenmeer: small (3.12.01.024)
		Dune: active dune field (3.05.01.005)
		Dune: large (3.05.01.003) <i>Marker symbol should be oriented</i>
		Dune: small, paleowind direction unknown (3.05.01.009)
		Dune: small, paleowind direction known (3.05.01.008) <i>Marker symbol should be oriented</i>
		Extensive gullied terrain (3.14.01.005)
		Eolian lag deposit [deflation surface] (3.05.01.006)
		Lag deposit [washed scoured lag] (3.14.01.013)
		Reworked sediments [by waves, meltwater] (3.14.01.014)
		Surface boulder concentration [boulder lag] (3.14.01.015)
	K	Kettle: large (3.06.01.013) <i>Central must be added with ContourIntegration</i>
	K	Kettle: small (3.06.01.001)
	SH	Sinkhole: large (3.04.01.007) <i>Central must be added with ContourIntegration</i>
	S	Sinkhole: small (3.04.01.001)
	P	Pit: large inactive (3.03.01.009) <i>Central must be added with ContourIntegration</i>
	P	Pit: large active (3.03.01.008) <i>Central must be added with ContourIntegration</i>
	P	Pit: small inactive (3.03.01.003)
	P	Pit: small active (3.03.01.002)
		Mine tailing (3.03.01.007)
		Made ground [fill] (3.03.01.006)
		Quarry: large inactive (3.03.01.010) <i>Central must be added with ContourIntegration</i>
		Quarry: large active (3.03.01.010) <i>Central must be added with ContourIntegration</i>
		Quarry: small inactive (3.03.01.005)
		Quarry: small active (3.03.01.004)
		Peat bog mining (3.03.01.008)
		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)
		Limit of mapping (3.02.01.005)
		Tension fracture (3.09.01.010)
		Avalanche track: large (3.09.01.008)
		Avalanche track: small (3.09.01.001)
		Debris flow track: large (3.09.01.009)
		Debris flow track: small (3.09.01.002) <i>Marker symbol should be oriented</i>
		Landslide: escarpment inactive (3.09.01.007)
		Landslide: escarpment active (3.09.01.006) <i>Special marker symbol needs to be legend</i>
		Landslide: scar direction unknown (3.09.01.003)
		Landslide: scar direction known (3.09.01.003) <i>Marker symbol should be oriented</i>
		Retrogressive thaw flow: direction unknown (3.09.01.004)
		Retrogressive thaw flow: direction known (3.09.01.004) <i>Marker symbol should be oriented</i>
		Unspecified slope movement (3.09.01.005) <i>Marker symbol should be oriented</i>
		Cryoplation terrace scarp (3.12.01.014)
		Limit of permafrost (3.12.01.015)
		Sediment transport direction: paleoflow unknown (3.14.01.022)
		Sediment transport direction: paleoflow known (3.14.01.021)
		Pre-existing coastline (3.13.01.011)
		Alluvial bar or levee ridge (3.14.01.008)
		Terrace scarp (3.13.01.004)
		Ravine scarp (3.14.01.011) <i>Special marker symbol needs to be legend</i>
		Erosional crest (3.14.01.020)
		Beach crest (3.13.01.002) <i>Multiple lines must be digitized separately</i> <i>Special marker symbol needs to be legend</i>
		Limit of submergence: lacustrine approximate (3.11.01.012)
		Limit of submergence: lacustrine defined (3.11.01.011)
		Limit of submergence: marine approximate (3.11.01.014)
		Limit of submergence: marine defined (3.11.01.013)
		Limit of submergence: glaciomarine approximate (3.11.01.010)
		Limit of submergence: glaciomarine defined (3.11.01.009)
		Limit of submergence: glaciolacustrine approximate (3.11.01.008)
		Limit of submergence: glaciolacustrine defined (3.11.01.007)
		Iceberg scour: large (3.14.01.010)
		Iceberg scour: small (3.14.01.001)
		Spillway: central axis, paleocurrent direction unknown (3.10.01.017)
		Spillway: central axis, paleocurrent direction known (3.10.01.012)
		Paleodrainage direction (3.10.01.010)
		Meltwater channel: minor paleocurrent direction unknown (3.10.01.009)
		Meltwater channel: minor paleocurrent direction known (3.10.01.008)
		Meltwater channel: minor lateral (3.10.01.006) <i>Marker symbol should be oriented</i>
		Meltwater channel: minor lateral (3.10.01.007) <i>Marker symbol should be oriented</i>
		Meltwater channel: major paleocurrent direction unknown (3.10.01.005) <i>Special marker symbol needs to be legend</i>
		Meltwater channel: major paleocurrent direction known (3.10.01.005) <i>Special marker symbol needs to be legend</i>
		Subglacial meltwater corridor margin: approximate (3.10.01.016) <i>Multiple lines must be digitized separately</i> <i>Special marker symbol needs to be legend</i>
		Subglacial meltwater corridor margin: defined (3.10.01.015) <i>Multiple lines must be digitized separately</i> <i>Special marker symbol needs to be legend</i>
		Partly buried channel scarp (3.10.01