

**13—GLACIAL AND GLACIOFLUVIAL FEATURES**

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
13.1	Glacial meltwater channel, abandoned		color 100% cyan lineweight .2 mm 3.0 mm 20° spacing may vary 7.5 mm 2.25 mm	Arrow(s) point in direction of downstream flow.
13.2	Glacial meltwater spillway		1.25 mm 5.0 mm lineweight .175 mm 60° 1.625 mm 25°	
13.3	Flow direction, glacial stream		color 100% cyan stem lineweight .2 mm 25° 1.875 mm stem lengths may vary	
13.4	Kame terrace scarp		.5 mm 1.375 mm 12° color 100% cyan	Hachures point down-scarp.
13.5	Esker 1, known transport direction		color 100% cyan 70° 5.0 mm 1.25 mm lineweight .375 mm lineweight .175 mm	Chevrons point in direction of transport.
13.6	Esker 2, known transport direction		70° 1.25 mm lineweight .175 mm; spacing .875 mm color 100% cyan	
13.7	Esker, unknown transport direction		1.25 mm .375 mm 625 mm 70° color 100% cyan lineweight .175 mm	
13.8	Glacial limit or terminus—Certain		lineweight .3 mm color 100% cyan	
13.9	Glacial limit or terminus—Approximately located		3.0 mm H-8 1.0 mm	
13.10	Glacial limit or terminus—Approximately located, queried			
13.11	Glacial limit or terminus—Concealed		.5 mm H-8 .5 mm	
13.12	Glacial limit or terminus—Concealed, queried			
13.13	Glacial limit or terminus—Showing name (BL, Bull Lake)		H-8 → BL	

**13—GLACIAL AND GLACIOFLUVIAL FEATURES (continued)**

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
13.14	Limit of significant glacial advance—Certain		color 100% cyan 4.5 mm 1.25 mm lineweight .3 mm hachure lineweight .25 mm	Hachures point in direction of glaciated area.
13.15	Limit of significant glacial advance—Approximately located		3.5 mm 1.0 mm H-8	
13.16	Limit of significant glacial advance—Approximately located, queried		1.0 mm H-8	
13.17	Limit of significant glacial advance—Concealed		.5 mm H-8	
13.18	Limit of significant glacial advance—Concealed, queried		.5 mm H-8	
13.19	Limit of significant glacial advance—Showing name (BL, Bull Lake)		H-8 → BL	
13.20	Retreatal position of stagnant ice margin—Certain		lineweight .4 mm color 100% cyan	
13.21	Retreatal position of stagnant ice margin—Approximately located		3.5 mm 1.0 mm H-8	
13.22	Retreatal position of stagnant ice margin—Approximately located, queried		1.0 mm H-8	
13.23	Retreatal position of stagnant ice margin—Inferred		1.5 mm H-8	
13.24	Retreatal position of stagnant ice margin—Inferred, queried		1.0 mm H-8	
13.25	Retreatal position of stagnant ice margin—Concealed		.5 mm H-8	
13.26	Retreatal position of stagnant ice margin—Concealed, queried		.5 mm H-8	
13.27	Retreatal position of stagnant ice margin—Showing name of depositional unit		H-8 → Qsf	
13.28	Crest line of moraine, sense of symmetry unspecified, type 1		color 100% cyan lineweight .175 mm circle diameter .675 mm; spacing .625 mm	
13.29	Crest line of moraine, sense of symmetry unspecified, type 2		color 100% cyan circle diameter .825 mm; spacing .625 mm	
13.30	Crest line of symmetrical moraine		3.0 mm .5 mm color 100% cyan all lineweights .175 mm circle diameter .675 mm; hachure height 1.5 mm	
13.31	Crest line of asymmetrical moraine—Ticks point down steeper slope		3.0 mm .5 mm color 100% cyan all lineweights .175 mm circle diameter .675 mm; hachure height .75 mm	
13.32	Ridges on moraine		color 100% cyan lineweight .25 mm lengths and spacing may vary	

**13—GLACIAL AND GLACIOFLUVIAL FEATURES (continued)**

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
13.33	Drumlin—Showing bearing and direction of flow		2.25 mm 1.25 mm 5.0 mm 1.25 mm color 100% cyan all lineweights .175 mm	Arrow points in direction of downstream flow.
13.34	Drumloid form—Showing bearing of flow; flow direction unknown		5.0 mm	
13.35	Younger glacial striations—Showing bearing and direction of flow		lineweight .175 mm 5.5 mm color 100% cyan 1.625 mm 25°	
13.36	Older glacial striations—Showing bearing and direction of flow		.5 mm	
13.37	Younger glacial striations—Showing bearing of flow; flow direction unknown		color 100% cyan lineweight .175 mm lengths and spacing may vary	
13.38	Older glacial striations—Showing bearing of flow; flow direction unknown		.5 mm	
13.39	Cirque headwall		color 100% cyan lineweight .3 mm hachure lineweight .2 mm; height 1.0 mm; spacing 1.25 mm	For single cirque, hachures point into cirque.
13.40	Cirque headwalls along serrated ridge		color 100% cyan lineweight .3 mm hachure lineweight .2 mm; height 2.0 mm; spacing 1.25 mm	Along serrated ridge between two cirques, hachures point in both directions.
13.41	Margin of glacially scoured basin—Certain		color 100% cyan 1.0 mm lineweight .3 mm hachure lineweight .2 mm; spacing 3.75 mm	Hachures point into basin.
13.42	Margin of glacially scoured basin—Approximately located			
13.43	Margin of glacially scoured basin—Approximately located, queried		2.75 mm 1.0 mm H-8	
13.44	Margin of glacially scoured basin—Concealed			
13.45	Margin of glacially scoured basin—Concealed, queried		.475 mm H-8 .475 mm	
13.46	Glacial flow direction		lineweight .2 mm color 100% cyan 1.5 mm 60° spacing of arrows may vary	Arrows point in direction of downstream flow.
13.47	Ice-contact slope—Lines point downslope		pattern 501-C	
13.48	Glacier—Showing glacial trend		lineweight .175 mm; dash 1.75 mm; space .5 mm line color 100% cyan pattern 502-C (rotated perpendicular to glacial trend)	