13—GLACIAL AND GLACIOFLUVIAL FEATURES

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
		/ /	lineweights .2 mm	
13.1	Crevasse on glacier			
			color 100% cyan lengths may vary	
			lineweight .25 mm length may vary	
13.2	Ice-flow direction		and the second s	
			COIOT 100% cyan 60° → 1.5 mm COIOT 1.25	
13.3	Glacial-lake spillway—Arrow shows direction of flow		100% mm \ length	
15.5	alabia lake spiliway 7 kilow shows direction of now	///	cyan	
		705/	785' & HI-6 (100% black)	
13.4	Glacial-lake spillway—Showing elevation. Arrow shows direction of flow	785' ^	/85 ⁻	
	Shows direction of how			
	Inferred glacial-lake spillway—Arrow shows direc-			
13.5	tion of flow		₩ →	
			all lineweights .2 mm	
13.6	Inferred glacial-lake spillway—Showing estimated	785' ^^→	785' ∧∧∕→>	
15.0	elevation. Arrow shows direction of flow	///	///-	
		_	all 7.5 mm _ ≥ 20°	
13.7	Glacial meltwater stream—Barbs show direction of flow		lineweights # spacing may vary	
	now		color 100% cyan 3.0 mm → + 2.25 mm	
	Cutbanks of glacial meltwater stream channel		spacing all lineweights .25 mm may vary	
13.8	(mapped to scale)—Hachures point into channel		1.125 mm 100% cyan	
	<u> </u>		1 1 5.0 111111	
13.9	Flow direction of glacial meltwater in stream chan-		color stem lengths may vary 100% cyan	
13.9	nel	\sim	all lineweights .2 mm 2.0 mm	
			color 100% cyan lineweight .2 mm	
13.10	Crest line of moraine, sense of symmetry unspeci-	000000000000	00000000000	
	fied (1st option)		circle diameter .75 mm; spacing .625 mm	
	Crest line of moraine, sense of symmetry unspeci-		color 100% cyan	
13.11	fied (2nd option)	•••••	••••••	
	(,		dot diameter .825 mm; spacing .625 mm	
13.12	Crest line of symmetrical moraine	0+0+0+0+0	3.0 mm .5 mm all lineweights 100% cyan .2 mm	
13.12		0+0-1-0+0-1	circle diameter .675 mm; hachure height 1.5 mm	
			cricie diameter .675 mm, nachure neight 1.5 mm	
13.13	Crest line of asymmetrical moraine—Ticks point	0-0-0-0-0	0-0-0-0-0	
	down steeper slope	' '	hachure height .75 mm	
			color 100% cyan lineweight .25 mm	
13.14	Ridges on moraine			
			lengths and spacing may vary .5 mm	
13.15	Scarp at top of ice-contact slope—Hachures point	mmunummunw	.5 mm	
13.15	downscarp	mm _{me} ,	1.375 *	
			12	
13.16	Ice-contact slope		pattern 521-C	
		1508 pt 2 st 2003 bt	in 50% cyan	
	Esker or ice-channel deposit, transport direction		1.25 mm .375 mm .625 mm → → ← → ← /	
13.17	unknown	<><><>	*\c>\c>\c\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
			color 100% cyan lineweight .2 mm	
13.18	Esker or ice-channel deposit, transport direction known (1st option)—Chevrons point in direction of		color 100% cyan inteweight 2 mm	
13.10	transport	>>>>>>	cyan 70°>>>>>> lineweight 1.0 mm .2 mm	
	Esker or ice-channel deposit, transport direction		color 5.0 1.25 mm	
13.19	known (2nd option)—Chevrons point in direction	$\longrightarrow\longrightarrow\longrightarrow$	ovan 70°	
	of transport		lineweight .375 mm lineweight .2 mm	
			2.25 mm 1.25 mm color	Point of observation is
13.20	Drumlin—Showing bearing and direction of flow	→	lineweights mm 1.875 mm cyan	at the midpoint of the
			.2 mm ← 6.0 mm	bearing line.
10.01	Drumlin, flow direction unknown (1st option)—		← —1.875 mm	May also be shown in black or other colors.
13.21	Showing bearing		6.0	
			→ mm ← 1.75 mm lineweight	-
13.22	Drumlin, flow direction unknown (2nd option)—	-	1.0 mm ↓ → k .2 mm	
	Showing bearing		↑ → k color 100% cyan	
	Drumlin (longth monned to cools). Ob suits the		color 100% cyan ∠1.25 mm	Use when map scale is
13.23	Drumlin (length mapped to scale)—Showing bearing and direction of flow	→	1.25 mm $\frac{1}{4}$ 25°	large enough to show
	g and disonon of now		draw length to scale all lineweights .2 mm	actual length of drumlin.
1	Drumlin (length mapped to scale), flow direction			May also be shown in black or other colors.
13.24	unknown—Showing bearing		to the state of th	DIGON OF OUTER COIDIS.
			draw length to scale	

13—GLACIAL AND GLACIOFLUVIAL FEATURES (continued)

			LATOTILS (continued)	
REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
13.25	Kettle	*	color 100% cyan 45 4 3.0 mm .2 mm	May also be shown in black or other colors.
13.26	Hummocky topography (1st option)		pattern 523-K in 50% black	
13.27	Hummocky topography (2nd option)		pattern 523-DO in 50% black	
13.28	Hummocky topography (3rd option)	(5) 3 (5)	pattern 524-K in 50% black	
13.29	Younger glacial striation or groove—Showing general bearing and direction of flow	→	lineweight .2 mm → 6.0 kmm ≥ 25° color 100% cyan + 1.25 mm	Point of observation is at the midpoint of the bearing line.
13.30	Younger glacial striation or groove—Showing measured bearing and direction of flow. Dot indicates location of observation point	→→	2.625 mm ⇒ le dot diameter .75 mm	May also be shown in black or other colors.
13.31	Older glacial striation or groove—Showing general bearing and direction of flow	>	2.625 mm K K K K K K K K K	
13.32	Older glacial striation or groove—Showing meas- ured bearing and direction of flow. Open circle indicates location of observation point	→	2.625 mm Head of the control of t	
13.33	Younger glacial striation or groove, flow direction unknown—Showing general bearing		lineweight .2 mm color 100% cyan ⇒ 6.0 ←	
13.34	Younger glacial striation or groove, flow direction unknown—Showing measured bearing. Dot indicates location of observation point	-	2.625 mm → dot diameter .75 mm	
13.35	Older glacial striation or groove, flow direction unknown—Showing general bearing		2.625 mm → all lineweights .2 mm .75 mm	
13.36	Older glacial striation or groove, flow direction unknown—Showing measured bearing. Open circle indicates location of observation point		2.625 mm ⇒ _ k − all lineweights .2 mm circle diameter .75 mm	
13.37	Younger glacial striation or groove (length mapped to scale)—Arrow shows direction of flow	\	lineweight .2 mm length may vary 25° color 100% cyan	Use when map scale is large enough to show actual length of striation
13.38	Younger glacial striation or groove (length mapped to scale), flow direction unknown		length may vary	or groove. May also be shown in black or other colors.
13.39	Older glacial striation or groove (length mapped to scale)—Arrow shows direction of flow	~~~~	lineweight .2 mm 2.125 mm	
13.40	Older glacial striation or groove (length mapped to scale), flow direction unknown		length may vary	
13.41	Cirque headwall—Hachures point into cirque	11111111111111111111	lineweight .2 mm hachure height 1.0 mm; spacing 1.0 mm	May also be shown in black or other colors.
13.42	Arête or headwall of adjoining cirques	***************************************	color 100% cyan lineweight lineweight .3 mm .hachure height 2.0 mm; spacing 1.0 mm	
13.43	Margin of glacially scoured basin—Identity and existence certain, location accurate. Hachures point into basin		all lineweights color 100% cyan .225 mm H-8	
13.44	Margin of glacially scoured basin—Identity or exis- tence questionable, location accurate. Hachures point into basin		7.75 → 12.0 mm ← mm → 2.0 mm	
13.45	Margin of glacially scoured basin—Identity and existence certain, location approximate. Hachures point into basin		3.5 mm 2.0 mm ⇒ k- → k-	
13.46	Margin of glacially scoured basin—Identity or exis- tence questionable, location approximate. Hach- ures point into basin	?		
13.47	Margin of glacially scoured basin—Identity and existence certain, location concealed. Hachures point into basin	TTTTTTTTTT	1.25 mm → ←	
13.48	Margin of glacially scoured basin—Identity or existence questionable, location concealed. Hachures point into basin		7	

13—GLACIAL AND GLACIOFLUVIAL FEATURES (continued)

			LATOTILS (continued)	
REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
13.49	Glacial limit or terminus—Identity and existence certain, location accurate		lineweight .45 mm color 100% cyan	May also be shown in black or other colors.
13.50	Glacial limit or terminus—Identity or existence questionable, location accurate	?	→ .75 mm → 12.0 mm ←	
13.51	Glacial limit or terminus—Identity and existence certain, location approximate		3.5 mm → ←	
13.52	Glacial limit or terminus—Identity or existence questionable, location approximate		≯k ≯k .75 mm .75 mm	
13.53	Glacial limit or terminus—Identity and existence certain, location inferred		1.5 mm ≯ <-	
13.54	Glacial limit or terminus—Identity or existence questionable, location inferred	?	≯k ≯k .75 mm .75 mm	
13.55	Glacial limit or terminus—Identity and existence certain, location concealed		.5 mm ≯ ←	
13.56	Glacial limit or terminus—Identity or existence questionable, location concealed	<u>?</u>	.75 mm .75 mm	
13.57	Glacial limit or terminus—Showing name of glaciation (BL, Bull Lake)	BL	BL ^E H-8 (100% black)	
13.58	Limit of significant glacial advance—Identity and existence certain, location accurate. Hachures on side of advancing ice		lineweight .3 mm color 100% cyan 7.5 mm H-8 hachure	
13.59	Limit of significant glacial advance—Identity or exis- tence questionable, location accurate. Hachures on side of advancing ice	1 131 131 1	ineweight .75 mm lachure height 1.25 mm; spacing 4.0 mm	
13.60	Limit of significant glacial advance—Identity and existence certain, location approximate. Hachures on side of advancing ice		3.5 mm *	
13.61	Limit of significant glacial advance—Identity or exis- tence questionable, location approximate. Hach- ures on side of advancing ice	T T\$T T\$T T	* * * .75 mm .75 mm	
13.62	Limit of significant glacial advance—Identity and existence certain, location concealed. Hachures on side of advancing ice	.111111.	.5 mm > - -1 . 1 . 2 . 1 . 1 . 2 . 1 1	
13.63	Limit of significant glacial advance—Identity or exis- tence questionable, location concealed. Hachures on side of advancing ice	.11211211.	判 ► ► .75 mm .75 mm	
13.64	Retreatal position of stagnant ice margin—Identity and existence certain, location accurate		lineweight .3 mm color 100% cyan	
13.65	Retreatal position of stagnant ice margin—Identity or existence questionable, location accurate	?	→ .75 mm → 12.0 mm -	
13.66	Retreatal position of stagnant ice margin—Identity and existence certain, location approximate		3.5 mm → K-	
13.67	Retreatal position of stagnant ice margin—Identity or existence questionable, location approximate	—— ? ———	≯k ≯k .75 mm .75 mm	
13.68	Retreatal position of stagnant ice margin—Identity and existence certain, location inferred		1.5 mm → \←	
13.69	Retreatal position of stagnant ice margin—Identity or existence questionable, location inferred		7k 7k .75 mm .75 mm	
13.70	Retreatal position of stagnant ice margin—Identity and existence certain, location concealed		.5 mm → -	
13.71	Retreatal position of stagnant ice margin—Identity or existence questionable, location concealed	<i>?</i>	≯k ≯k .75 mm .75 mm	
13.72	Retreatal position of stagnant ice margin—Showing name of depositional unit	——— Qsf ———	——— Qsf ————————————————————————————————	