

9—LINEATION

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
9.1	Lineation—Showing bearing and direction of plunge		line weight .15 mm 5.0 mm 25° 1.5 mm	May be used separately or in combination with other symbols.
9.2	Lineation—Showing bearing and plunge		20 H-6	For single, unidirectional arrow symbols, the point of observation may either be in the middle, at the tip, or at the tail end of the arrow; whichever is preferred, it is important to specify in the symbol explanation which method has been used.
9.3	Horizontal lineation—Showing bearing		5.0 mm	
9.4	Vertical lineation		line weight .15 mm 45° 4.5 mm 1.375 mm	
9.5	Mineral lineation indicated by aligned streaks on foliation surface (A lineation)—Showing bearing and direction of plunge		M H-7	For combined symbols, the point of observation is at the tail end of the arrow, the junction point common to all symbols.
9.6	Slip lineation, groove, or striations on foliation surface (A lineation)—Showing bearing and direction of plunge		S H-7	In general, A lineations are in the direction of slip; B lineations are parallel to minor folds.
9.7	Flow lineation in direction of flow on foliation surface (A lineation)—Showing bearing and direction of plunge		F H-7	
9.8	Lineation indicating axes of minor folds formed by flow (B lineation)—Showing bearing and direction of plunge		dot diameter .75 mm 2.0 mm	
9.9	Lineation indicated by aligned elongate minerals on foliation surface parallel to minor folds (B lineation)—Showing bearing and direction of plunge		M H-7	
9.10	Lineation indicated by aligned mineral grains in cumulate rocks—Showing bearing and direction of plunge		M 1.375 mm 1.0 mm 1.5 mm H-7	
9.11	Lineation indicated by trough banding in cumulate rocks—Showing bearing and direction of plunge		T H-7	
9.12	Lineation indicating flow direction at base of ash deposits formed in surges—Showing bearing and direction of plunge		radius 1.5 mm; dash .75 mm; space .375 mm all line weights .15 mm 2.75 mm	
9.13	Lineation indicating flow direction in ash-flow tuff—Showing bearing and direction of plunge		1.375 mm all line weights .15 mm circle diameter 1.0 mm	
9.14	Lineation indicating minor folds normal to flow in ash-flow tuff—Showing bearing and direction of plunge		dot diameter 1.0 mm	
9.15	Lineation at intersection of bedding and cleavage—Showing bearing and direction of plunge		1.875 mm 1.375 mm all line weights .15 mm	
9.16	Lineation at intersection of foliation and cleavage—Showing bearing and direction of plunge		1.75 mm 1.375 mm .5 mm all line weights .15 mm	
9.17	Lineation on cleavage surface—Showing bearing and direction of plunge		1.375 mm 1.0 mm 1.5 mm all line weights .15 mm	
9.18	Penetrative lineation—Showing bearing and direction of plunge in combination with foliation symbol		2.0 mm 1.25 mm 90° all line weights .15 mm	
9.19	Flow direction—Showing bearing and direction of plunge		line weight .15 mm 5.0 mm 30° 1.75 mm	
9.20	Slip lineation or slickenside on a fault or shear surface—Showing bearing and direction of plunge of offset		S H-7	