8—FOLIATION

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
	8.1—Foliation and layering in igneous rock			
8.1.1	Massive igneous rock		dot diameter .5 mm; 1.25 mm; 90°	May be used separately or in combination with other symbols. For individual symbols other than horizontal foliation and massive igneous rock, point of observation is midpoint of strike line. For combined symbols, point of observation is the junction point common to all strike lines. Use symbol for massive igneous rock at locality where foliation and lineation are absent. Use ball indicating known top direction of layers only on maps where top direction may be in doubt elsewhere.
8.1.2	Horizontal flow foliation or layering in igneous rock		lineweight .15 mm; 1.75 mm; diameter 2.5 mm; 60°	
8.1.3	Inclined flow foliation or layering in igneous rock—Showing strike and dip	10	5.0 mm; HI-6; .875 mm; 10; 60°; lineweight .15 mm	
8.1.4	Vertical or near-vertical flow foliation or layering in igneous rock—Showing strike		1.75 mm; 60°	
8.1.5	Inclined crinkled or deformed flow foliation or layering in igneous rock—Showing approximate strike and dip	20	5.0 mm; HI-6; 20; .375 mm; .875 mm; lineweight .15 mm; 60°; 1.0 mm radius	
8.1.6	Vertical or near-vertical crinkled or deformed flow foliation or layering in igneous rock—Showing approximate strike		1.75 mm; 60°	
8.1.7	Horizontal cumulate foliation parallel to layering in igneous rock		lineweight .15 mm; .55 mm; diameter 2.5 mm	
8.1.8	Inclined cumulate foliation parallel to layering in igneous rock—Showing strike and dip	45	lineweight .15 mm; HI-6; .875 mm; 45; .5 mm; 5.0 mm	
8.1.9	Inclined cumulate foliation parallel to upright layering in igneous rock—Showing strike and dip. Top direction of layers known from local features	30	30; dot diameter .75 mm	
8.1.10	Vertical or near-vertical cumulate foliation parallel to layering in igneous rock—Showing strike		2.25 mm	
8.1.11	Vertical or near-vertical cumulate foliation parallel to layering in igneous rock—Showing strike. Ball shows top direction of layers where known from local features		dot diameter .75 mm	
8.1.12	Inclined cumulate foliation parallel to overturned layering in igneous rock—Showing strike and dip	70	underbar interrupted around dip symbol; 70; .625 mm radius	
8.1.13	Inclined cumulate foliation parallel to overturned layering in igneous rock—Showing strike and dip. Top direction of layers known from local features	80	80; dot diameter .75 mm	
8.1.14	Inclined crinkled or deformed cumulate foliation in layered igneous rock—Showing approximate strike and dip	15	HI-6; 5.0 mm; tick length .875 mm; 15; .375 mm; .3 mm; 1.0 mm radius; lineweight .15 mm	
8.1.15	Vertical or near-vertical crinkled or deformed cumulate foliation in layered igneous rock—Showing approximate strike		2.25 mm	
8.1.16	Horizontal compaction foliation in ash-flow tuff		diameter 2.75 mm; 60°; lineweight .15 mm	
8.1.17	Inclined compaction foliation in ash-flow tuff—Showing strike and dip	20	5.0 mm; .875 mm; 20; HI-6; .5 mm; lineweight .15 mm	
8.1.18	Vertical or near-vertical compaction foliation in ash-flow tuff—Showing strike		1.5 mm	
8.1.19	Inclined crinkled or deformed compaction foliation in ash-flow tuff—Showing approximate strike and dip	25	1.0 mm radius; HI-6; 25; .875 mm; .375 mm; lineweight .15 mm; 5.0 mm	
8.1.20	Vertical or near-vertical crinkled or deformed compaction foliation in ash-flow tuff—Showing approximate strike		1.75 mm	

8—FOLIATION (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
	8.2—Foliation and layering in metamorphic rock			
8.2.1	Horizontal foliation in metamorphic rock		diameter 2.5 mm; 1.75 mm; lineweight .15 mm; 60°	May be used separately or in combination with other symbols. For individual symbols other than horizontal foliation, point of observation is midpoint of strike line. For combined symbols, point of observation is the junction point common to all strike lines. Use ball indicating known top direction of beds only on maps where top direction may be in doubt elsewhere.
8.2.2	Inclined foliation in metamorphic rock—Showing strike and dip	10	5.0 mm; .875 mm; 10; HI-6; 60°; lineweight .15 mm	
8.2.3	Vertical or near-vertical foliation in metamorphic rock—Showing strike		1.75 mm; 60°	
8.2.4	Inclined crinkled or deformed foliation in metamorphic rock—Showing approximate strike and dip	40	5.0 mm; HI-6; 40; .375 mm; .875 mm; lineweight .15 mm; 60°; 1.0 mm radius	
8.2.5	Vertical or near-vertical crinkled or deformed foliation in metamorphic rock—Showing approximate strike		1.75 mm; 60°	
8.2.6	Horizontal foliation parallel to bedding in metamorphic rock		diameter 2.5 mm; lineweight .15 mm; 1.75 mm; 60°	
8.2.7	Inclined foliation parallel to bedding in metamorphic rock—Showing strike and dip	45	HI-6; 45; 5.0 mm; .875 mm; .75 mm; 60°	
8.2.8	Inclined foliation parallel to upright bedding in metamorphic rock—Showing strike and dip. Top direction of beds known from local features	35	35; dot diameter .75 mm	
8.2.9	Vertical or near-vertical foliation parallel to bedding in metamorphic rock—Showing strike		3.25 mm; 60°	
8.2.10	Vertical or near-vertical foliation parallel to bedding in metamorphic rock—Showing strike. Ball shows top direction of layers where known from local features		dot diameter .75 mm	
8.2.11	Inclined foliation parallel to overturned bedding in metamorphic rock—Showing strike and dip	75	75; .625 mm radius	
8.2.12	Inclined foliation parallel to overturned bedding in metamorphic rock—Showing strike and dip. Top direction of beds known from local features	85	85; dot diameter .75 mm	