

### SLATE, PHYLLITE, GREENSTONE, AND SCHIST

ROCK		FELSICS				MAFICS			NOTES
		Plagioclase	Quartz	K-Spar	Muscovite	Biotite	Chlorite	Clino-Pyroxene	
No #	Purple Slate								Aphanitic - obvious slaty cleavage
#77	Gray Slate								Aphanitic - obvious slaty cleavage One "spot" due to incipient porphyroblast
#78	Phyllite								Aphanitic matrix - 97%, displays lamination and silky sheen Pyrite - 2%, ehd, 0.5 mm, occur in layers. Quartz - 1%, anh, smoky, translucent, 1.5 mm, rounded. One specimen displays lineation in the form of subparallel to parallel surface striations.
#79	Mica Schist				30%, 1.5 mm	15%, black, 1 mm	15%, green, 1.5 mm		Soft, friable, schistose. Light and dark subparallel bands. Trace minerals: Garnet - pink spheroids Magnetite
		Dark Layers 60%, anh micas, thin bands - 2.5 mm, black to green, trachytoid behavior around felsics.							
		Light Layers 40%, anh blocky felsics, - 6 mm, tend to pinch out	10%, white, 1 mm	25%, 2.5 mm	5%, pink, 0.5 mm				

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ROCK		FELSICS				MAFICS			NOTES
		Plagioclase	Quartz	Talc	Muscovite	Stilpnomelane	Chlorite	Actinolite	
#81 Stilpnomelane Schist	Dark Layers Aphanitic, gritty					67-80%, anh, gray- black, 0.5 mm, shiny			Fine-grained, friable, schistose. Trace Minerals: Pyrite - in quartz layers Magnetite Yellow surface alteration covers up to 10%.
	Light Layers		20-30%, anh, white - gray, 0.5 mm						
#93 Actinolite Schist				5%, anh, white to greenish, 1 - 1.5 mm, 1 directional cleavage			10-15%, anh, dark green, 1 mm, displays foliation in more schistose specimens	80-85%, sbh, green, 2 mm, acicular to bladed, radiating habit	Medium grained. Schistose.

ROCK	FELSICS		MAFICS			
	Andalusite	Talc	Tremolite	Pyrite	Graphite	Notes
#84 Andalusite (chiastolite) slate	5-10%, anh, white to amber, 3 - 5 mm, rounded, black carbonaceous crosses through grains			5%, sbh, 0.5 mm	85-90%, matrix, soft, friable, trachytoid behavior around chiasotile porphyroblasts	Aphanitic matrix Somewhat fissile

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ROCK		FELSICS				MAFICS			NOTES
		Plagioclase	Quartz	Talc	Muscovite	Pyrite	Glaucophane	Cummingtonite	
#94 Cumming-tonite Schist	Dark Layers, mainly aphanitic, 34- 54%, black- green					5%, sbh, bronze, equant, 0.5 mm			Medium to coarse grained. Schistose. Trace mineral: Sphene
	Light Layers		(?) 1%, anh, white, 0.3 - 0.7 mm					40-60%, sbh, white to pale medium green, 3 - 8 mm, acicular, radiating habit	
#96 Glaucophane Schist			6-14%, anh, white, 2 mm			1%, ehd, bronze, cubic, 0.5 mm	75-90%, sbh, gray-blue, 1 - 1.5 mm, prismatic/ acicular, striated, displays trachytoid behavior, much is aphanitic		Medium grained, schistose, non-fissile. Other Minerals: Garnet 3-10%, sbh, red, spheroid, often broken, 1 mm Chlorite (trace?)

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