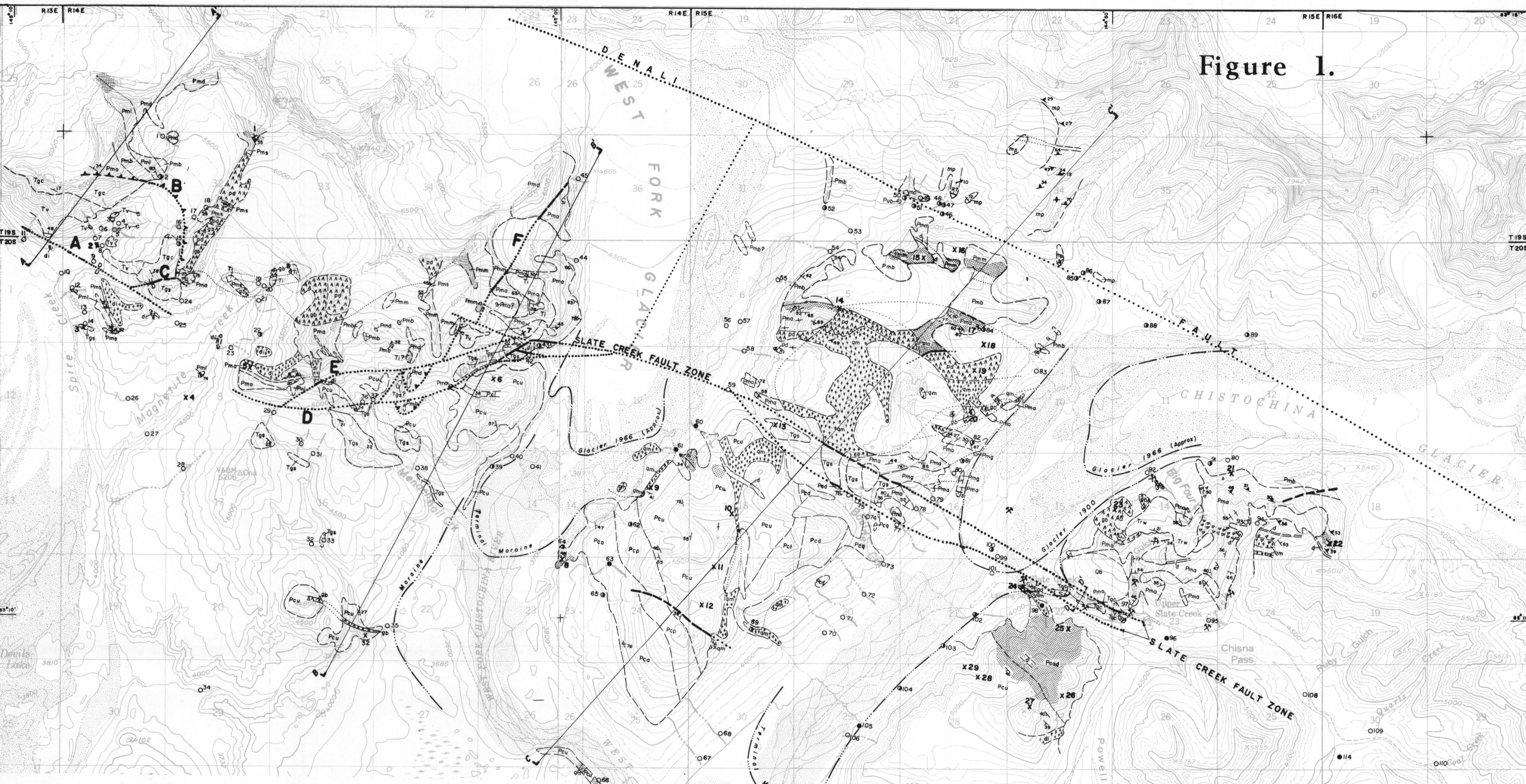


Figure 1.



Geology of the Upper Chistochina map area.

Pleistocene	Qb	Bench gravel	pre-Pennsylvanian(?)	mp	Phyllite and metagraywacke
	Trw	"Round wash"			
Eocene(?)	Tgs	Gakona formation; Tgs, shale and sandstone unit;			
	Tgc	Tgc, conglomerate unit			
Tertiary(?)	Ti	Quartz diorite and dacite porphyry			
	Tv	Andesite and dacite agglomerate, tuff and breccia			
	d	Diorite, gabbro, and andesite dikes			
Mesozoic		West Fork granodiorite, Boulder Creek quartz monzonite, and Slate Creek granodiorite porphyry			
		Gakona diorite			
		Gabbro and mafic gabbro			
		Pyroxenite, peridotite, and dunite			
Permian	Pma	Mankoman formation; Pma, argillite unit; Pms, schist, hornfels, and gneissic amphibolite;			
	Pms	Pml, limestone and marble; Pmd, diabase; Pmb, basalt unit; Pmm, amphibolite; Pmg, greenstone breccia			
	Pml				
	Pmd				
	Pmb				
	Pmm				
	Pmg				
Pennsylvanian-Permian(?)	Pca	Chisna formation, andesite and dacite agglomerate, tuff and flows; see table 2 for sub-units			
	Pcp				
	Pcu				
	Pcl				
	Pcd				
	Pcq				
	Pcd				
	Pcl				

	Strike and dip of bedding
	Strike and dip of foliation, and plunge of minor fold axis
	Contact (observed, approximate, concealed)
	Fault (observed, approximate, concealed)
	Thrust fault (approximate, concealed)
	Brecciated area
	Mineral occurrence and locality number
	Gold placer workings
	Stream sediment sample and number
	Weakly to moderately anomalous stream sediment
	Strongly anomalous stream sediment
	Pyritic area

Topography from U.S.G.S. Mt. Hayes A-2 and A-3 quadrangles Geology by Arthur W. Rose, 1966

0 2640' 5280' 10,560'

Scale in feet

