

EXPLANATION

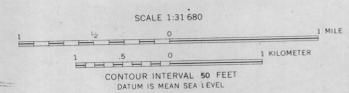
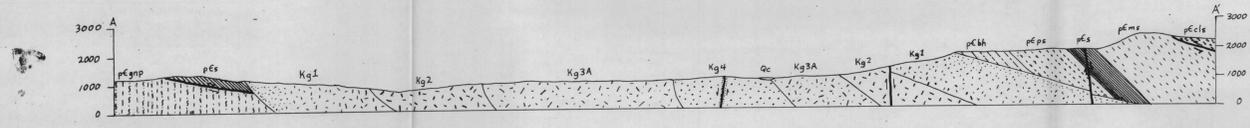
Qc	Tundra (shown only where it forms a continuous cover on bedrock)	HOLOCENE
Qa1	Alluvium	
Qo	Older alluvium	
Kg4	Medium-grained biotite granite and leucogranite of Zone 4 (Leucogranite is spatially related to altered fault zones)	
Kg3B	Porphyritic biotite granite of Zone 3 (Forms textural facies 3B)	LATE - CRETACEOUS
Kg3A	Seriate biotite granite of Zone 3 (Forms textural facies 3A)	
Kg2	Porphyritic biotite granite of Zone 2 (Transitional with Zone 1; forms textural facies 2)	
Kg1	Fine- to coarse-grained biotite granite of Zone 1 (Forms textural facies 1A, 1B, and 1C)	
Pzm	Marble	
pEsu	Graphitic metasediments undivided	PALEOZOIC
pCbh	Banded hornfels	
pCh	Dark-gray hornfels	
pCps	Phyllitic schist	
pEs	Metasiltite	
pCms	Mica-quartz schist	
pCcls	Chlorite muscovite-quartz schist	
pCl	Schistose marble	PRECAMBRIAN
pCgng	Granite orthogneiss	
pCgnp	Biotite-plagioclase-quartz paragneiss	
---	Contact between geologic units Dashed where approximately located, queried where inferred	
---	Thrust fault Dashed where approximately located; sawteeth on upper plate	
---	High-angle fault Dashed where approximately located, dotted where concealed, queried where inferred, and stippled where altered and/or mineralized	
---	Strike and dip of schistosity or foliation	
---	Strike and dip of joint	
---	Strike of vertical joint	
---	Dike	
---	Thermal spring	
---	Placer mine workings	

GEOLOGY BY TRAVIS HUDSON 1968, 1969, AND 1970;
C. L. SAINSBURY, R. KACHADOORIAN, AND T. RICHARDS 1968

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

BASE FROM U. S. GEOLOGICAL SURVEY
BENDELEBEN D-5 AND D-6, 1950

APPROXIMATE MEAN DECLINATION, 1970



GEOLOGIC MAP AND GENERALIZED CROSS SECTION OF THE SERPENTINE HOT SPRING AREA, SEWARD PENINSULA ALASKA

PLEASE REPLACE IN POCKET IN BACK OF BOUND VOLUME

