

EXPLANATION FOR GENERALIZED GEOLOGIC MAP

CORRELATION OF MAP UNITS				
SEDIMENTARY DEPOSITS	VOLCANIC ROCKS	INTRUSIVE ROCKS	METAMORPHIC ROCKS	
Qu	Q1	T1	CENOZOIC	
	Tv	TK1		
		K1	CENOZOIC AND (OR) MESOZOIC	
		KJ1		
		J1	MESOZOIC	
		Mzpm		
			Sc	PALEOZOIC

DESCRIPTION OF MAP UNITS

SEDIMENTARY DEPOSITS

Qu UNCONSOLIDATED GLACIAL, GLACIAL FLUVIAL/FLUTE, ALLUVIAL, AND COLLUVIAL DEPOSITS (QUATERNARY)

KJs SEDIMENTARY ROCKS (CRETACEOUS? AND JURASSIC?)--Grawwacke (feldspatholithic sandstone), silty sandstone, and black shale

VOLCANIC ROCKS

Q1 ANDESITIC LAVA AND TUFF OF ILIAMA VOLCANO (QUATERNARY)

Tv VOLCANIC ROCKS, UNDIVIDED (TERTIARY)--Rhyolite breccia, ash-flow tuff, flows, and shallow intrusive rocks, and subordinate mafic to intermediate rocks.

INTRUSIVE ROCKS

T1 MOSTLY GRANITE AND GRANODIORITE, BUT RANGES FROM PERALKALINE GRANITE TO GABBRODORITE (TERTIARY)

TK1 MOSTLY GRANODIORITE, BUT RANGES FROM GRANITE TO DIORITE (TERTIARY AND (OR) CRETACEOUS)

K1 GRANITE TO QUARTZ DIORITE (CRETACEOUS)

KJ1 QUARTZ MONZODIORITE (CRETACEOUS? AND JURASSIC?)

J1 TONALITE, TRONDJEMITE, AND GRANODIORITE (JURASSIC)

METAMORPHIC ROCKS

Mzpm METAMORPHOSED MAFIC VOLCANIC ROCKS, PHYLLITE, SCHIST, QUARTZITE, MARBLE, CALC-SILICATE ROCKS, SERPENTINITE, GABBRO, AND CHERT (MESOZOIC AND PALEOZOIC)

Sc CHILLIKADROTNA GREENSTONE (SILURIAN)--Weakly metamorphosed basalt, andesite, limestone, and tuffaceous sedimentary rocks

--- CONTACT--Dotted where concealed

--- FAULT--Dotted where concealed; mostly high angle, many probably strike-slip

--- AREA OF MINERAL OCCURRENCE OR GEOCHEMICAL ANOMALY--Solid line (areas 1-38) shows areas of previously known mineral occurrences or geochemical anomalies (references given in table 1); dashed line (areas 39-50) shows areas of anomalies established by the present study

A-6 NUMBER OF TOPOGRAPHIC QUADRANGLE AT 1:63,360--Boundaries of quadrangles shown by grid

Base from U.S. Geological Survey, 1958

Geology generalized from Nelson and others (1983)

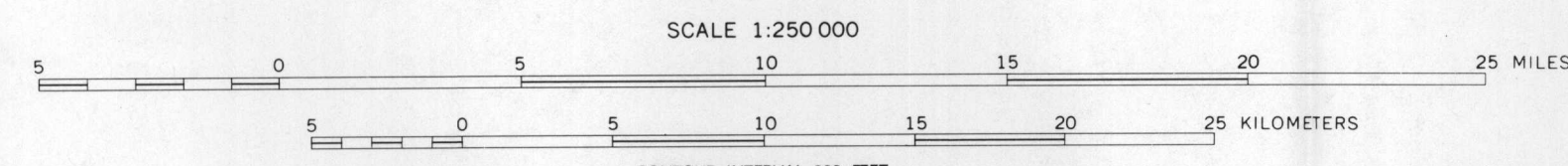
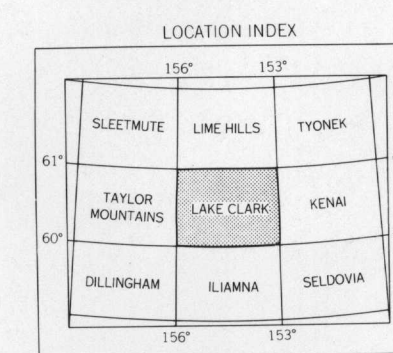


Figure 5.--Generalized geologic map of the Lake Clark quadrangle.



MAPS SHOWING THE DISTRIBUTION AND ABUNDANCE OF SELECTED ELEMENTS IN TWO GEOCHEMICAL SAMPLING MEDIA, LAKE CLARK QUADRANGLE, ALASKA

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