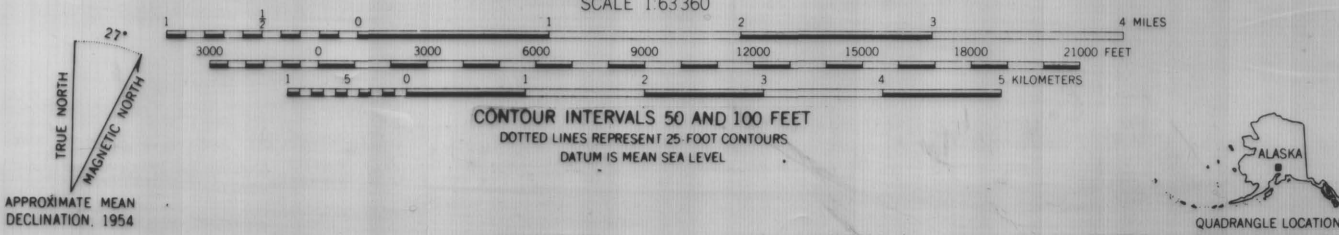


Based on field reconnaissance, May-June 1977, and aerial photograph interpretation, November 1977, through January 1978. Bedrock geology from unpublished information provided by Don L. McGee, ADGGS (Willow Creek), James M. Brown, R and M Consultants (Deception Creek), and Bruce I. Clardy (1974, Origin of the lower and middle Tertiary Wishbone and Tsadaka Formations, Matanuska Valley, Alaska: MS Thesis, Univ. Alaska, Fairbanks, 74 p.).

This map is a preliminary publication of the Alaska Division of Geological and Geophysical Surveys and as such has not received final editing and review. The author will appreciate candid comments on the accuracy of the data and welcomes suggestions that will improve the map.

Base from U.S. Geological Survey: 1949, Anchorage D-8; 1950, Anchorage C-7 and C-8; 1951, Anchorage D-7; 1954, Tyonek D-1; and 1958, Tyonek C-1.



EXPLANATION

Quaternary	Qol	Stream alluvium	
	Qoc	Abandoned meltwater channel fill	
	Qt	Terrace alluvium	
	Qof	Granular alluvial fan	
	Qk	Kame-esker-crevasse fill complex	
	Qow	Outwash alluvium	
	Qff	Alluvial fan	
	Qfs	Alluvium of small streams mixed with colluvium	
	Qc	Colluvium	
	Qcl	Landslide	
	Qct	Talus	
	Qd	Glacial till	
	Qd'	Relatively thin glacial till over bedrock	
Qs	Swamp deposits		
Tertiary	Paleocene Oligocene Miocene	Tk	Kenai Group
		Tt	Tsadaka Formation
		Tor	Arkose Ridge Formation
Cretaceous-Tertiary	Paleozoic-Mesozoic	TKgr	Acidic plutonic rocks
		PMmv	Metavolcanic rock (greenstone)
Precambrian-early Paleozoic		Pepes	Quartz-mica schist

SYMBOLS

b	Undifferentiated bedrock
- - -	Approximate contact
- - -	Boundary of capital site
- - -	Fault or photogeologic lineament, dashed where approximately located (modified from Detterman, R.L., and others, 1974, Surface geology and Holocene breaks along the Susitna segment of the Castle Mountain fault, Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-618).

RECONNAISSANCE GEOLOGY OF THE NEW CAPITAL SITE AND VICINITY, ANCHORAGE QUADRANGLE, ALASKA

by
Richard D. Reger
1978