



EXPLANATION

BEDDED ROCK

Pleistocene and Recent		Unconsolidated materials (Includes older stream and lake deposits, alluvium of the present streams, glacial moraines, and outwash gravels)	QUATERNARY	Tertiary to Recent		Wrangell lava, basaltic and andesitic lava flows, tufts, and agglomerates (Some of the fragmental materials were deposited in water and are well-rounded)	CENOZOIC
		Gravel and sand (Rudely stratified, deeply weathered, and containing pieces of lignitized wood)					
Upper Cretaceous		Conglomerate; greenish-gray sandstone with shaly partings and plant remains; tuffaceous (?) sandstone; and sandy shale	CRETACEOUS	Upper Triassic Upper Jurassic Lower Cretaceous		Banded shale and argillite, arkosic sandstone, conglomerate, and limestone	MESOZOIC
		UNCONFORMITY					
Upper Jurassic		Conglomerate and sandy shale	JURASSIC				
Upper Triassic		Massive and thin-bedded limestone (Includes Nabesna limestone in White Mountain area)	TRIASSIC	Permian and Upper Triassic		Limestones (Undifferentiated)	MESOZOIC
		UNCONFORMITY				Shale, argillite, and arkose (Undifferentiated Permian and Mesozoic deposits with basaltic flows or intrusives, distinctly bedded and showing banding or varves in many of the finer-textured, darker strata. The known Permian beds are at the head of the East Fork Snag River)	
		Shale; arkosic sandstone; and conglomerate, with basaltic flows and intrusives (May include infolded or faulted Mesozoic beds)	PERMIAN	Permian and Mesozoic (?)			
		Amygdaloidal basalts, tufts, and intrusives (May include some Permian shale or infolded Mesozoic rocks)					
			Middle and Upper (?) Devonian and Permian			Basaltic rocks (Mainly Permian tufts and agglomerate; contains some Devonian shale)	PALEOZOIC

INTRUSIVE ROCKS

Granitic intrusives
(Dominantly granodiorite, quartz diorite, and some more basic phases of the magmas)

Gabbro

Fault

- ⌘ Gold placer
- △ Gold lode prospect
- Copper lode prospect
- Lead-zinc prospect

Prepared by Alaskan Branch. Topography by T. W. Ranta and C. E. Griffin
Geodetic control and topography adjacent to the 141st Meridian
International Boundary Commission surveys. Surveyed in 1914, 1938, add 1939

Scale 250,000
1 inch = 2.5 miles
Contour interval 200 feet
Datum is mean sea level

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GEOLOGIC RECONNAISSANCE MAP OF THE NUTZOTIN MOUNTAINS DISTRICT, ALASKA