EXPLANATION

BEDDED ROCK

Qgm — Unconsolidated materials
(Includes older stream and lake deposits, alluvium of the present streams, glacial moraines, and outwash gravels)
Pleistocene and Recent — QUATERNARY

TQv — Wrangell lava, basaltic and andesitic lava flows, tuffs, and agglomerates
(Some of the fragmental materials were deposited in water and are well-rounded)
Tertiary to Recent

Ts — Gravel and sand
(Rudely stratified, deeply weathered, and containing pieces of lignitized wood)
TERTIARY

UNCONFORMITY

Ks — Conglomerate; greenish-gray sandstone with shaly partings and plant remains; tuffaceous (?) sandstone; and sandy shale
Upper Cretaceous — CRETACEOUS

Msa — Banded shale and argillite, arkosic sandstone, conglomerate, and limestone
Upper Triassic, Upper Jurassic, Lower Cretaceous

UNCONFORMITY

Jc — Conglomerate and sandy shale
Upper Jurassic — JURASSIC

UNCONFORMITY

Ȿl — Massive and thin-bedded limestone
(Includes Nabesna limestone in White Mountain area)
Upper Triassic — TRIASSIC

ul — Limestones
(Undifferentiated)
Permian and Upper Triassic

us — 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)
Permian and Mesozoic (?)

Pl — Limestone
(Crystalline in most places)

Ps — Shale; arkosic sandstone; and conglomerate, with basaltic flows and intrusives
(May include infolded or infaulted Mesozoic beds)
PERMIAN

Pv — Amygdaloidal basalts, tuffs, and intrusives
(May include some Permian shale or infolded Mesozoic rocks)

DPb — Basaltic rocks
(Mainly Permian tuffs and agglomerate; contains some Devonian shale)
Middle and Upper (?) Devonian and Permian

sp — Schist and phyllite, with granular intrusives
(Derived in part from sedimentary deposits)
PALEOZOIC OR OLDER — PALEOZOIC — MESOZOIC — CENOZOIC

INTRUSIVE ROCKS

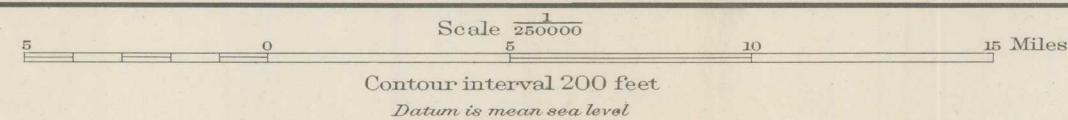**gd** — Granitic intrusives
(Dominantly granodiorite, quartz diorite, and some more basic phases of the magmas)

gb — Gabbro

— Fault

☆ Gold placer
△ Gold lode prospect
○ Copper lode prospect
□ Lead-zinc prospect

Scale 1:250000

Contour interval 200 feet
Datum is mean sea level

GEOLOGIC RECONNAISSANCE MAP OF THE NUTZOTIN MOUNTAINS DISTRICT, ALASKA

1943