UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOCHEMISTRY OF THE RICHARDSON MINING DISTRICT, ALASKA

BY

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EXPLANATION

Kg — GRANODIORITE TO QUARTZ MONZONITE, Medium to coarse grained; mostly equigranular but locally porphyritic; massive without linear or planar fabric or microfabric.

Kp — QUARTZ-ORTHOCLASE PORPHYRY, Pink to tan weathering. Quartz and orthoclase occur as 1 cm or larger phenocrysts in aphanitic to fine-grained groundmass; sercitized and kaolinized.

METAMORPHIC ROCKS UNDIFFERENTIATED, Greenschist to epidote-amphibolite and amphibolite facies.

Aeromagnetic contours in gammas

Au▲ Anomalous stream sediment and or pan concentrate sample indicating anomalous element(s).

BIG DELTA (B-5) QUADRANGLE
ALASKA
1:63 360 SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1949. Map not field checked

Projection and 1000 meter grid ticks: Universal Transverse Mercator, zone 6
10,000 foot grid ticks based on Alaska coordinate system, zone 3. 1927 North American datum

Gray land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management Folio F-9, Fairbanks Meridian

Swamps, as portrayed, indicate only the wetter areas, usually of low relief, as interpreted from aerial photographs

SCALE 1:63,360

1 0 1 2 3 4 MILES
1000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 5 0 1 2 3 4 5 KILOMETRES

CONTOUR INTERVAL 50 FEET
DOTTED LINES REPRESENT HALF INTERVAL CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

APPROXIMATE MEAN DECLINATION, 1975

ROAD CLASSIFICATION

Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light duty road, all weather, improved surface
Unimproved road, fair or dry weather
) State Route

QUADRANGLE LOCATION

Revisions shown in purple and recompilation of woodland areas compiled from aerial photographs taken 1975. This information not field checked

BIG DELTA (B-5), ALASKA
N6415-W14600/15X30
1949
PHOTOREVISED 1975