Geochem + Air-Mag

PLATE ~~III~~ V

BIG DELTA (B-5) QUADRANGLE

ALASKA

1:63 360 SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOCHEMISTRY OF THE RICHARDSON MINING DISTRICT, ALASKA

BY

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Mineral Industry Research Laboratory

Plate ~~III~~ V 1984 East 1/2

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▲ Anamolous stream sediment and or pan concentrate sample indicating anamolous element(s).

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 1:40,000

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

APPROXIMATE MEAN DECLINATION, 1975

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, all weather, hard surface — Light-duty road, all weather, improved surface

Secondary highway, all weather, hard surface — Unimproved road, fair or dry weather

State Route

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