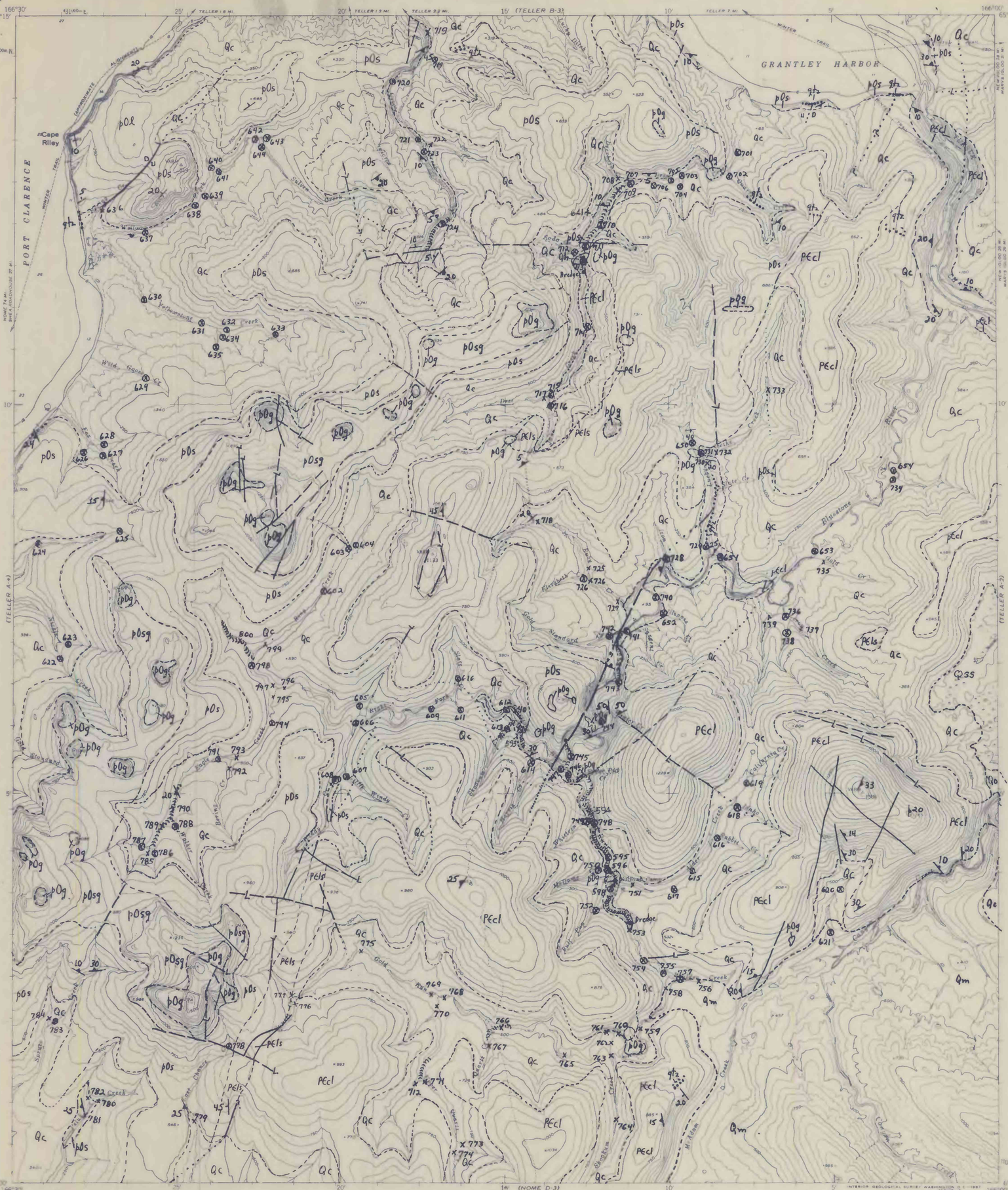
OPEN FILE MAP
75-349
PLATE 1

UNITED STATES
DEPARTMENT OF THE INTERIOR



Base by U. S. Geological Survey, 1957

10,000 foot grid based on Alaska coordinate system, zone 8.

SCALE 1:63360

CONTOUR INTERVAL 50 FEET
DASHED LINES REPRESENT 25-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 1 FOOT

APPROXIMATE MEAN DECLINATION, 1950

QUADRANGLE LOCATION

Geology by C. L. Sainsbury, Reuben Kachadoorian, T. E. Smith, and W. E. Todd, 1967.

TELLER (A-3), ALASKA
N6500—W16600/15x30

EXPLANATION

QUATERNARY

Holocene

Qc — Cover
Tundra shown where it completely mantles bedrock

Qh — Hot springs deposits

Pleistocene

Qm — Moraine

Qo — Outwash

Sangamon Wisconsinan

Qss — Silt and sand
Stratified deposits related to base level changes

PRECAMBRIAN

pOL — Limestone
Thin-bedded, rhythmically interbedded dolomitic limestone and argillaceous limestone

pOg — Gabbro
Includes coarse-grained gabbro diabase, and altered equivalents which locally are garnet-glaucophane rocks

pOs / pOsg — Graphitic siltite
"Slate of the York Region"
pOs - Slightly to moderately metamorphosed graphitic siltite, slate, graywacke, and calcareous siltite
pOsg - Green-weathering, chloritic pOs near mafic intrusives

Nome Group

p€cl / p€ls — Chloritic schists
p€cl - Chlorite-hornblende-epidote schists, intensely deformed, locally graphitic; retrograded blueschist facies rocks
p€ls - Intercalated dark schistose limestone

qtz — Abundant quartz float

Placer mine tailings

Contact
Dashed where gradational, approximately located, or inferred; dotted where concealed; queried where doubtful

High-angle fault, showing dip
Dashed where approximately located, dotted where concealed, queried where doubtful. U, upthrown side; D, downthrown side. L signifies a linear feature plotted from aerial photographs, and assumed to be a fault

10 — Strike and dip of beds

Strike and dip direction of beds

40 — Strike and dip of foliation or schistosity

Strike and dip direction of foliation or schistosity

500 — Location and number of stream sediment sample containing anomalous amounts of metal

765 — Location and number of analyzed stream sediment sample.

MAP SHOWING LOCATION OF STREAM SEDIMENT SAMPLE SITES IN THE TELLER A-3 QUADRANGLE, WEST-CENTRAL ALASKA

By
Reuben Kachadoorian, C.L. Sainsbury, and C.L. Hummel
1975