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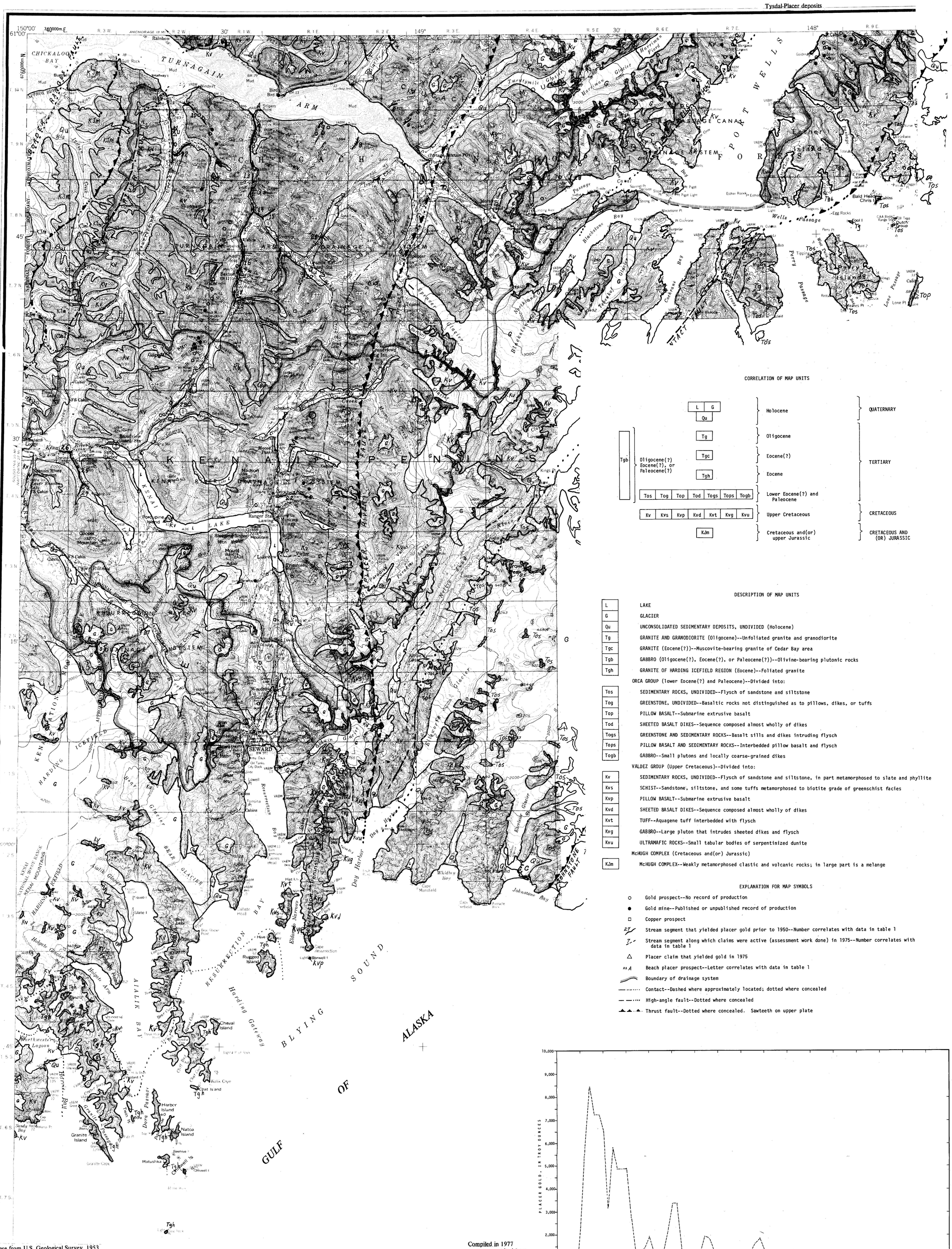
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY






Base from U.S. Geological Survey, 1953

Compiled in 1977
Geology modified from
Tysdal and Case (in press)

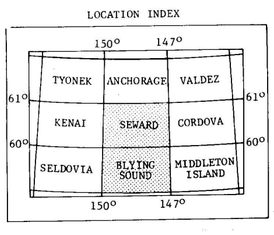
SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

LOCATION INDEX



CORRELATION OF MAP UNITS

| | | |
|---|---|---|
| L, G, Qu | Holocene | QUATERNARY |
| Tg | Oligocene | TERTIARY |
| Tgc | Eocene(?) | TERTIARY |
| Tgb: Oligocene(?) Eocene(?), or Paleocene(?) | | TERTIARY |
| Tgh | Eocene | TERTIARY |
| Tos, Tog, Top, Tod, Togs, Tops, Togb | Lower Eocene(?) and Paleocene | TERTIARY |
| Kv, Kvs, Kvp, Kvd, Kvt, Kvg, Kvu | Upper Cretaceous | CRETACEOUS |
| KJm | Cretaceous and(or) upper Jurassic | CRETACEOUS AND (OR) JURASSIC |

DESCRIPTION OF MAP UNITS

| | |
|---|---|
| L | LAKE |
| G | GLACIER |
| Qu | UNCONSOLIDATED SEDIMENTARY DEPOSITS, UNDIVIDED (Holocene) |
| Tg | GRANITE AND GRANODIORITE (Oligocene)--Unfoliated granite and granodiorite |
| Tgc | GRANITE (Eocene(?))--Muscovite-bearing granite of Cedar Bay area |
| Tgb | GABBRO (Oligocene(?), Eocene(?), or Paleocene(?))--Olivine-bearing plutonic rocks |
| Tgh | GRANITE OF HARDING ICEFIELD REGION (Eocene)--Foliated granite |
| | ORCA GROUP (lower Eocene(?) and Paleocene)--Divided into: |
| Tos | SEDIMENTARY ROCKS, UNDIVIDED--Flysch of sandstone and siltstone |
| Tog | GREENSTONE, UNDIVIDED--Basaltic rocks not distinguished as to pillows, dikes, or tuffs |
| Top | PILLOW BASALT--Submarine extrusive basalt |
| Tod | SHEETED BASALT DIKES--Sequence composed almost wholly of dikes |
| Togs | GREENSTONE AND SEDIMENTARY ROCKS--Basalt sills and dikes intruding flysch |
| Tops | PILLOW BASALT AND SEDIMENTARY ROCKS--Interbedded pillow basalt and flysch |
| Togb | GABBRO--Small plutons and locally coarse-grained dikes |
| | VALDEZ GROUP (Upper Cretaceous)--Divided into: |
| Kv | SEDIMENTARY ROCKS, UNDIVIDED--Flysch of sandstone and siltstone, in part metamorphosed to slate and phyllite |
| Kvs | SCHIST--Sandstone, siltstone, and some tuffs metamorphosed to biotite grade of greenschist facies |
| Kvp | PILLOW BASALT--Submarine extrusive basalt |
| Kvd | SHEETED BASALT DIKES--Sequence composed almost wholly of dikes |
| Kvt | TUFF--Aquagene tuff interbedded with flysch |
| Kvg | GABBRO--Large pluton that intrudes sheeted dikes and flysch |
| Kvu | ULTRAMAFIC ROCKS--Small tabular bodies of serpentinized dunite |
| | McHUGH COMPLEX (Cretaceous and(or) Jurassic) |
| KJm | McHUGH COMPLEX--Weakly metamorphosed clastic and volcanic rocks; in large part is a melange |

EXPLANATION FOR MAP SYMBOLS

- ○ Gold prospect--No record of production
- ● Gold mine--Published or unpublished record of production
- □ Copper prospect
- 27 Stream segment that yielded placer gold prior to 1950--Number correlates with data in table 1
- 7 Stream segment along which claims were active (assessment work done) in 1975--Number correlates with data in table 1
- △ Placer claim that yielded gold in 1975
- xx A Beach placer prospect--Letter correlates with data in table 1
- Boundary of drainage system
- Contact--Dashed where approximately located; dotted where concealed
- High-angle fault--Dotted where concealed
- Thrust fault--Dotted where concealed. Sawteeth on upper plate

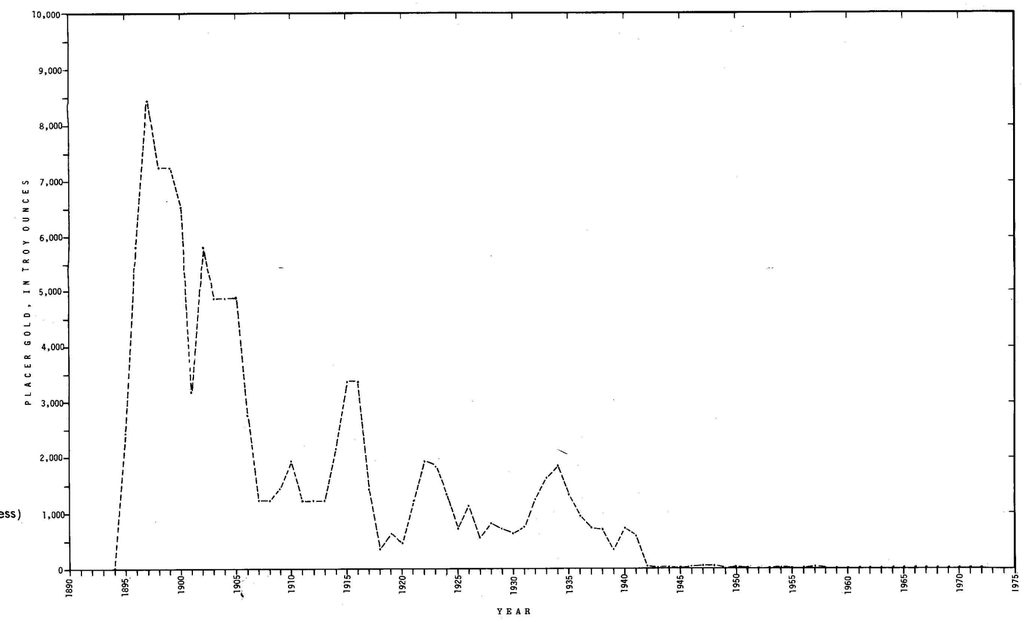



Figure 1.--Placer gold production of Seward and Blying Sound quadrangles. Data compiled from Smith (1934) for 1895-1930; unpublished records of U.S. Geological Survey for 1931-46; and Minerals Yearbooks of U.S. Bureau of Mines for 1947-72.

For sale by Distribution Section, U. S. Geological Survey, Federal Bldg., Box 12, 101 Twelfth Avenue, Fairbanks, AK 99701, and Branch of Distribution, U. S. Geological Survey, Box 25286, Federal Center, Denver, CO 80225

Reprinted 1981

# MAP SHOWING PLACER DEPOSITS OF THE SEWARD AND BLYING SOUND QUADRANGLES, ALASKA

BY

RUSSELL G. TYSDAL

1978

This map is one of a series, bearing the number MF-880. Background information relating to this map is published as U. S. Geological Survey Circular 760, available free from Branch of Distribution, U. S. Geological Survey 1200 South Eads Street, Arlington, VA 22202