UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 625-D
PLATE 1

EXPLANATION

Alluvium and Birch Creek Schist, undivided

ad

Altered dike rock
Porphyritic medium-grained granitic rock composed mainly of quartz and feldspar

pgd

Pyroxene-bearing granodiorite

gr-qm

Porphyritic granite and quartz monzonite

qm

Quartz monzonite, porphyritic in part

qd-gd

Quartz diorite and granodiorite

MESOZOIC(?)

Contact, approximate location

Anticlinal axis, approximate location

Outline of mined placer gold deposit
Dashed where approximate. Queried where uncertain

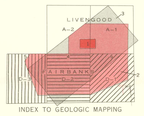
142
Lode mine
Recorded production

105
Lode prospect
No recorded production

C-30
Sample site

13
Mill site

LOCATION OF MAPPED AREA



INDEX TO GEOLOGIC MAPPING

Geology by R. M. Chapman and R. L. Foster in 1966 and 1967
1. Brown (1962)
2. Forbes and Brown (1961)
3. Hill (1953)
4. Péwé (1958)
5. Péwé and Rivard (1961)
6. Williams, Péwé, and Paige (1969)

MAP SHOWING LODE MINES AND PROSPECTS, SAMPLE LOCATIONS, OUTLINES OF MINED PLACER GOLD DEPOSITS, AND GRANITIC ROCK BODIES IN THE FAIRBANKS DISTRICT, ALASKA

Base from U.S. Geological Survey
Livengood A-1, 1951; A-2, 1951;
Fairbanks D-1, 1949; D-2, 1954; D-3, 1950

SCALE 1:63 360
1 0 1 2 3 4 MILES
1 0 1 2 3 4 KILOMETERS

CONTOUR INTERVALS 50 AND 100 FEET
DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
1969 MAGNETIC DECLINATION VARIES FROM 28° TO 29° EAST

Geology by R. M. Chapman
and R. L. Foster, 1966-67

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Lode mines
Fairbanks Dist
AK