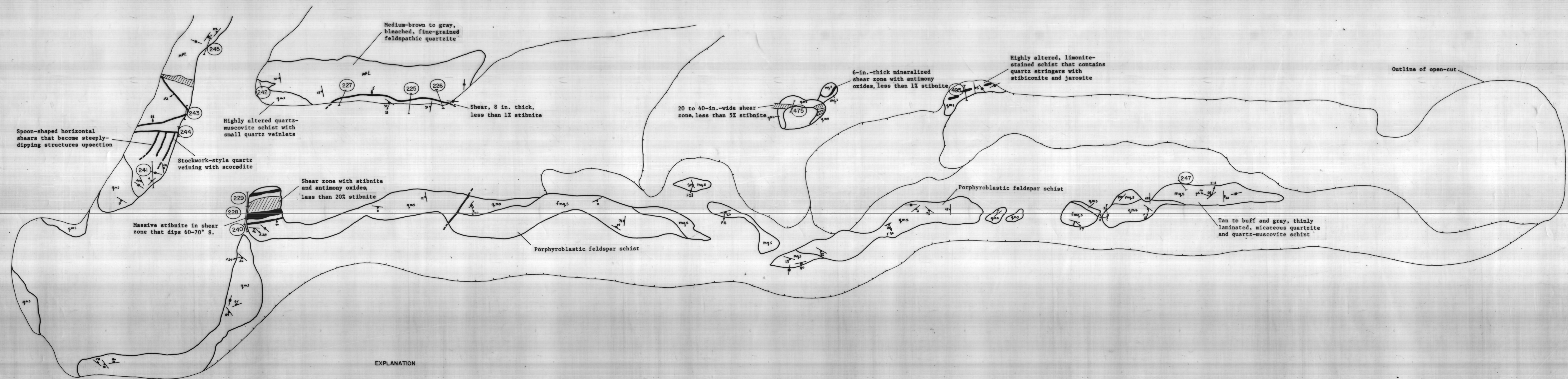
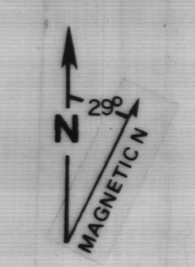
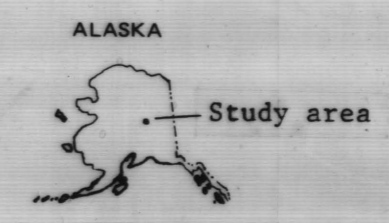
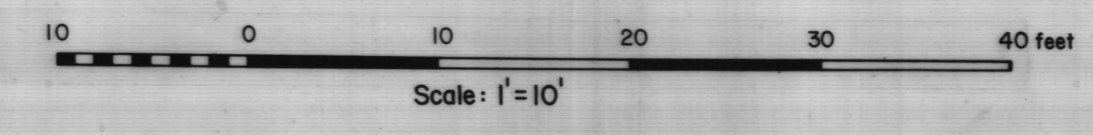


GEOLOGIC TRENCH MAP OF THE SCRAFFORD ANTIMONY-GOLD DEPOSIT
FAIRBANKS MINING DISTRICT, ALASKA



EXPLANATION

- mqz Muscovite-quartz schist: light-brown to buff, fine- to coarse-grained and thinly laminated. Contains garnet, biotite, and feldspar locally. Recognized by the presence of gray or brown muscovite and gray quartz. Probably represents metamorphosed pelitic sediment.
- qms Quartz-muscovite schist: light-gray to light-brown and buff, medium-grained and thinly laminated. Similar to unit mqz but muscovite schist is the dominant rock type.
- fmqs Porphyroblastic schist: medium-green to gray, medium-grained, quartz-muscovite-feldspar schist with plagioclase-feldspar (An₁₅) porphyroblasts to 3mm in diameter.
- mft White schist: white to yellow and brown, fine- to medium-grained, thinly laminated muscovite-quartz schist with local feldspar and sulfides. Recognized by the presence of yellow, white, or clear muscovite, light-colored quartz, and limonite along fracture surfaces. Probably represents metamorphosed felsic tuff or exhalite.



This report has not received final editing and review. The author is solely responsible for its content and will appreciate candid comments on the accuracy of the data as well as suggestions to improve the report.

- Symbols
- Contact, showing dip. Solid where known, dashed where approximate, and dotted where concealed or inferred
 - High-angle fault, showing dip. Solid where known, dashed where approximate, and dotted where concealed or inferred
 - Strike and dip of schistosity
 - Strike and dip of folded or crenulated schistosity
 - Strike and plunge of lineation; f = fold axes, c = crenulation, qb = quartz boudin
 - Strike and dip of jointing
 - Strike of vertical jointing
 - Location and orientation of chip channel sample
 - Outline of outcrop

Preliminary assay results of chip and channel samples

| Sample Number | Length of channel (ft) | Trace Element Concentrations (ppm) | | | | | |
|---------------|------------------------|------------------------------------|-----|-----|-----|-----|---------|
| | | Au | Ag | Cu | Pb | Zn | Sb |
| 225 | 4 | 0.87 | 0.4 | 64 | 10 | 34 | 11,950 |
| 226 | 4 | 2.1 | 0.4 | 139 | 8 | 25 | 11,900 |
| 227 | 4 | 0.75 | 0.3 | 77 | 28 | 97 | 227 |
| 228 | 3 | 0.98 | 0.7 | 158 | 5 | 19 | 115,000 |
| 229 | 3.5 | 1.92 | 0.4 | 159 | 10 | 6 | 86,000 |
| 240 | 1.5 | 0.01 | 0.1 | 83 | 20 | 96 | 90 |
| 241 | 2 | 1.41 | 0.2 | 104 | 11 | 44 | 38 |
| 242 | 4 | 3.06 | 1.3 | 93 | 110 | 193 | 379 |
| 243 | 1.5 | 5.70 | 0.6 | 92 | 25 | 29 | 13,500 |
| 244 | 1 | 1.41 | 0.1 | 77 | 12 | 41 | 100 |
| 245 | 4 | 0.01 | 0.1 | 59 | 22 | 60 | 55 |
| 247 | 2 | 0.01 | 0.0 | 70 | 11 | 50 | 38 |
| 475 | 2.5 | 0.01 | 0.0 | 66 | 15 | 68 | 1,980 |
| 495 | 3 | 0.10 | 0.1 | 68 | 15 | 102 | 472 |

