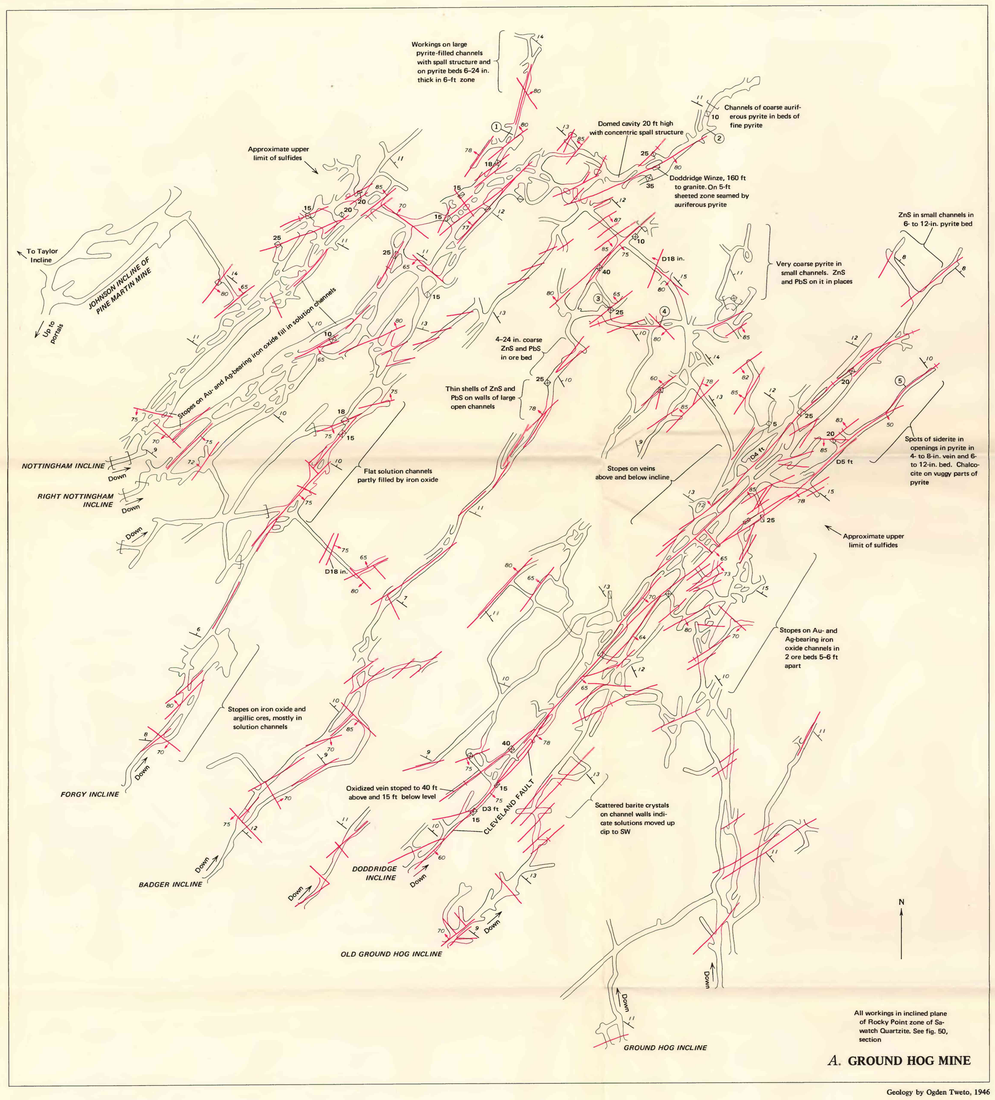
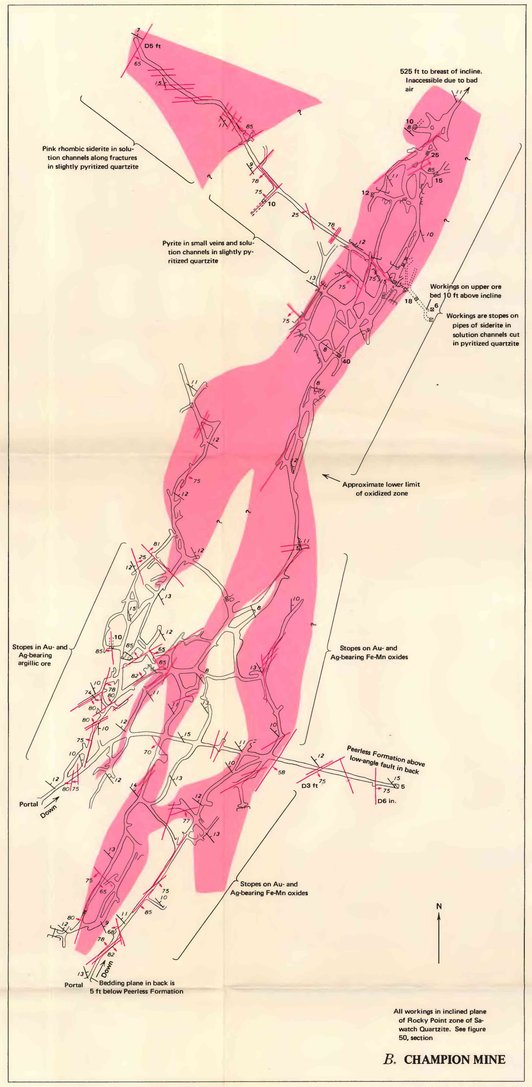


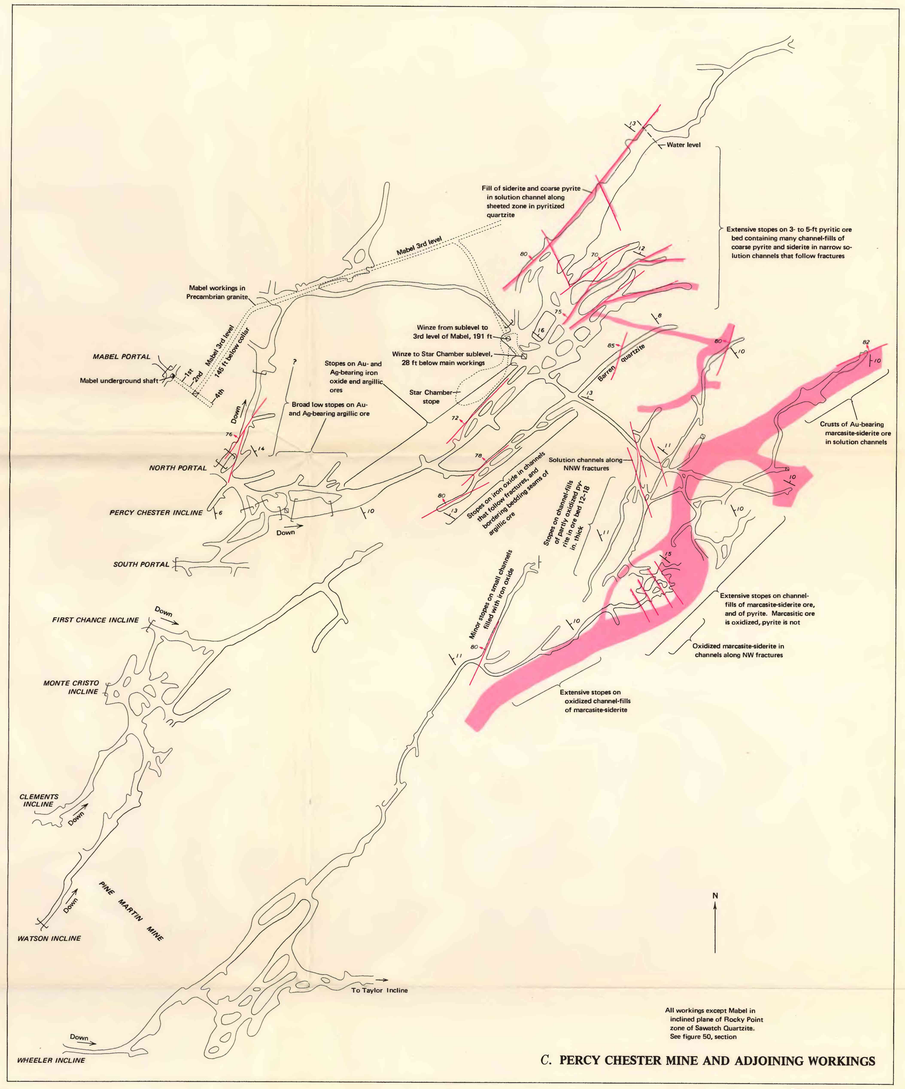
A. GROUND HOG MINE

Geology by Ogden Tweto, 1946



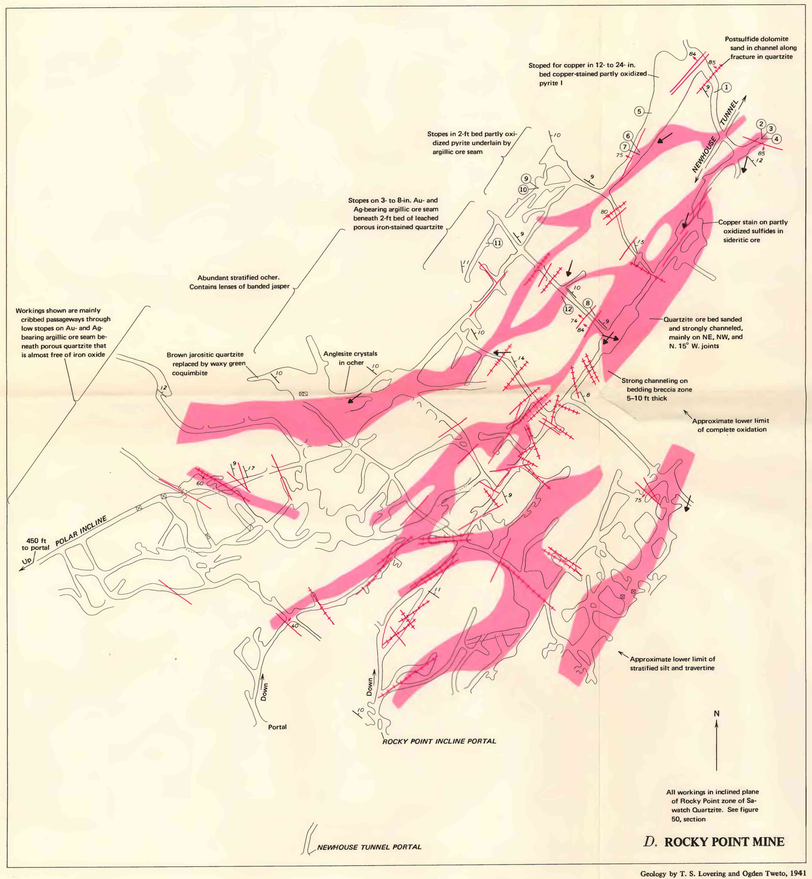
B. CHAMPION MINE

Geology by Ogden Tweto, 1946



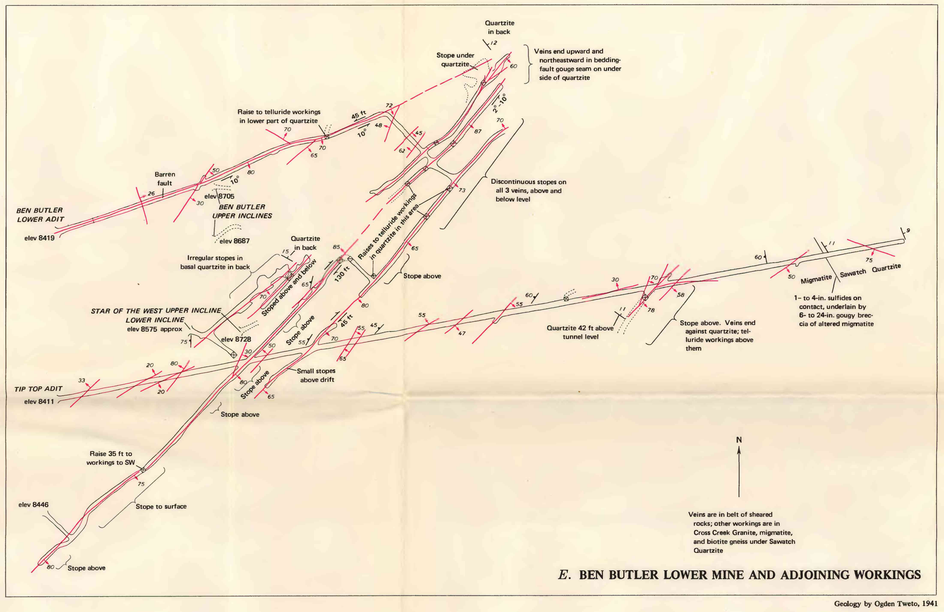
C. PERCY CHESTER MINE AND ADJOINING WORKINGS

Geology by Ogden Tweto, 1946



D. ROCKY POINT MINE

Geology by T. S. Lovering and Ogden Tweto, 1941



E. BEN BUTLER LOWER MINE AND ADJOINING WORKINGS

Geology by Ogden Tweto, 1941

EXPLANATION

- D5 ft 75 45 ft 10° — VEIN, FAULT, OR FRACTURE – Showing downthrown side and displacement, dip, direction and amount of relative horizontal displacement, and plunge of grooves; dashed where continuation uncertain
- VERTICAL FRACTURE
- CHANNELED FRACTURE
- 11 — STRIKE AND DIP OF BEDDING
- 70 — STRIKE AND DIP OF FOLIATION
- AREA CONTAINING SIDERITE OR MARCASITE-SIDERITE DEPOSITS OR THEIR OXIDATION PRODUCTS
- WORKINGS – Caved or filled on concave side of bracket; dotted where beneath others
- 12 — TOP OF WINZE – Number indicates depth, in feet
- 10 — BOTTOM OF RAISE – Number indicates height, in feet
- 3 — SAMPLE LOCATION – For Rocky Point mine, see text, table 8, for assays; for Ground Hog mine, see text, table 9, for assays
- DIRECTION OF MOVEMENT OF SOLUTIONS AS INDICATED BY ZONING IN BARITE CRYSTALS

GEOLOGIC MAPS OF SELECTED MINES IN SAWATCH QUARTZITE AND PRECAMBRIAN ROCKS NEAR GILMAN, COLORADO

0 100 200 300 400 500 600 FEET
0 50 100 150 200 METERS

☆U.S. Government Printing Office: 1978-777-102/35