55-45
U.S. GEOLOGICAL SURVEY
55-45

SECTIONS SHOWING QUICKSILVER RESERVES OF PART OF THE

OAT HILL MINE

MAYACMAS DISTRICT, CALIFORNIA

U. S. Geological Survey
OPEN FILE REPORT
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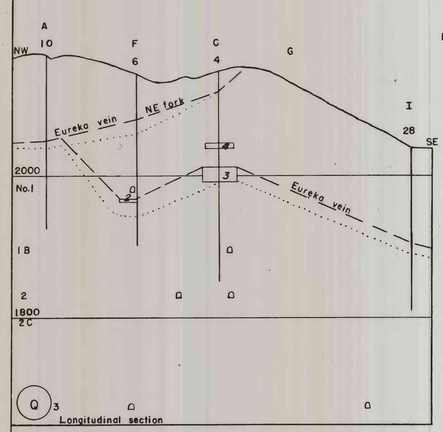
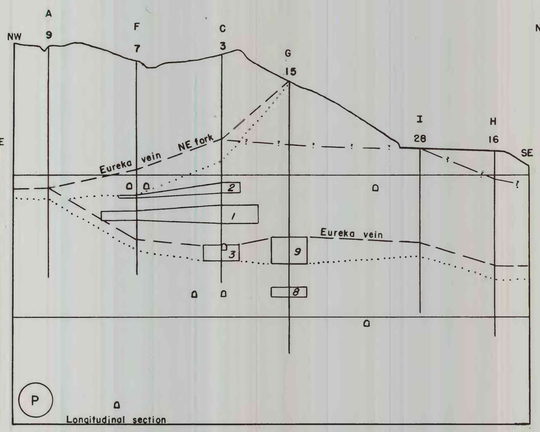
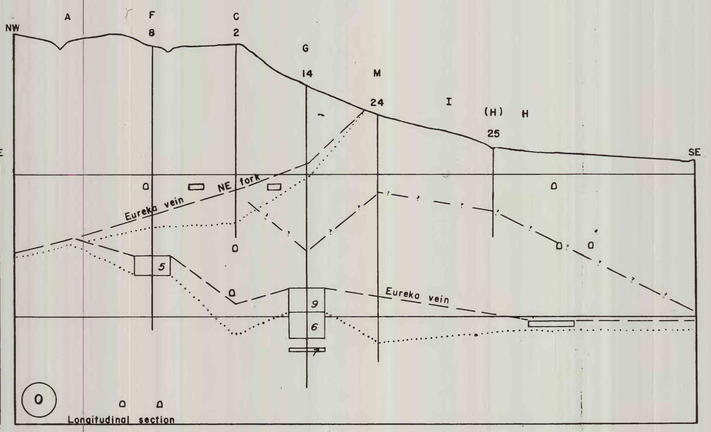
100 0 100 200 300 400 500
FEET
DATUM MEAN SEA LEVEL







EXPLANATION

Franciscan (?) sandstone and shale, approximately horizontal except near faults.

Fault, normal type (hanging wall relatively moved down) position inferred from surface geology; Bureau of Mines diamond drill holes; and an old company map showing part of the underground workings, almost all inaccessible.

Fault, hypothetical.

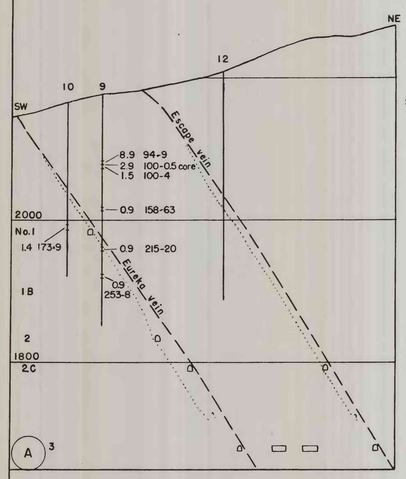
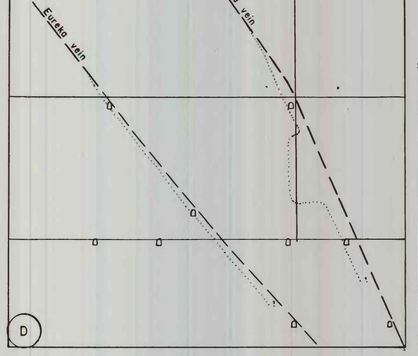
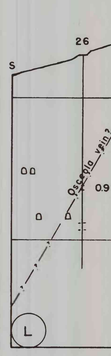
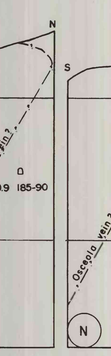
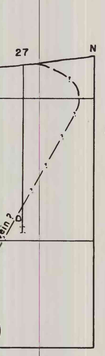
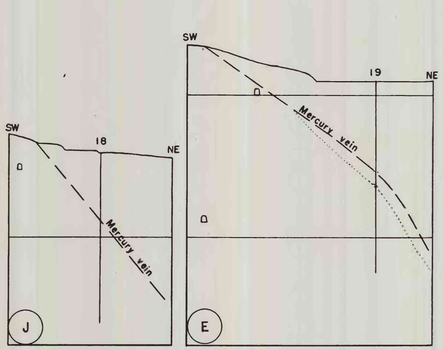
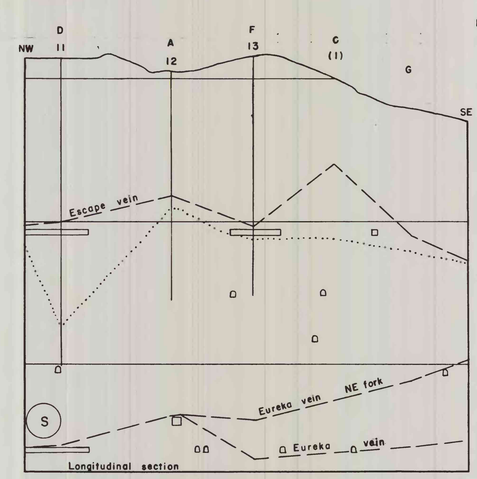
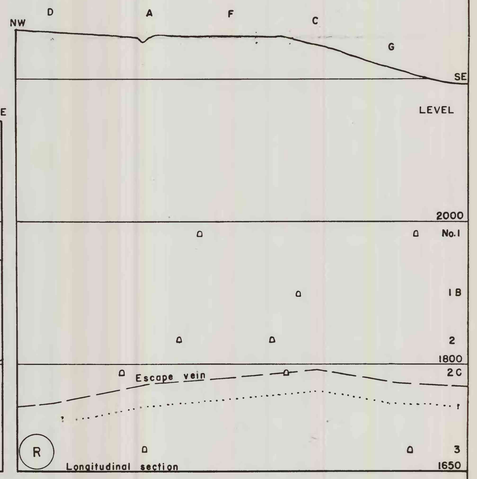
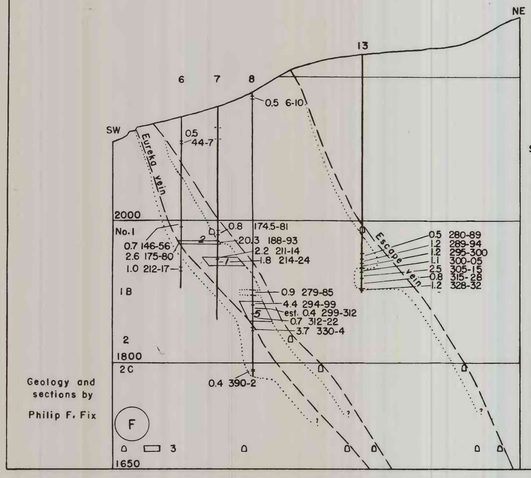
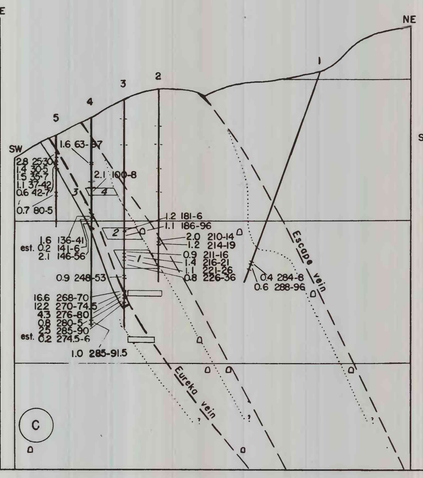
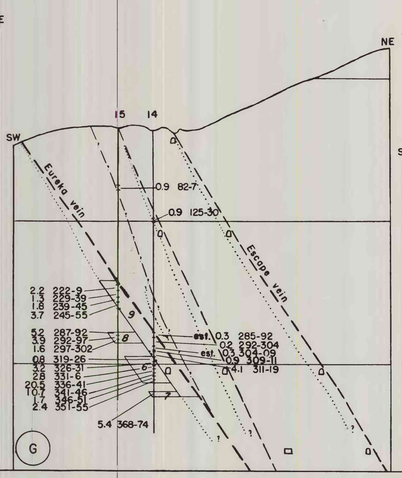
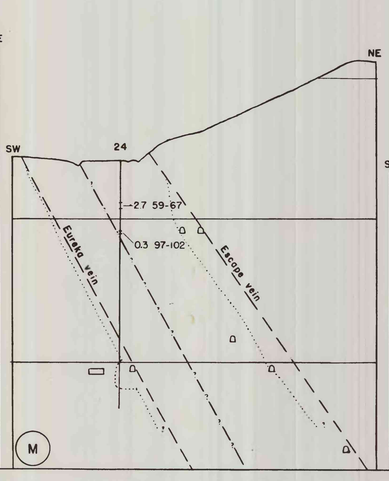
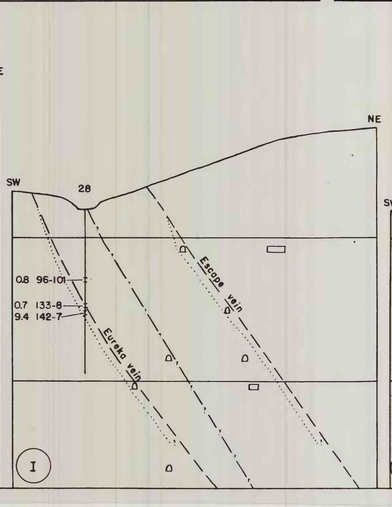
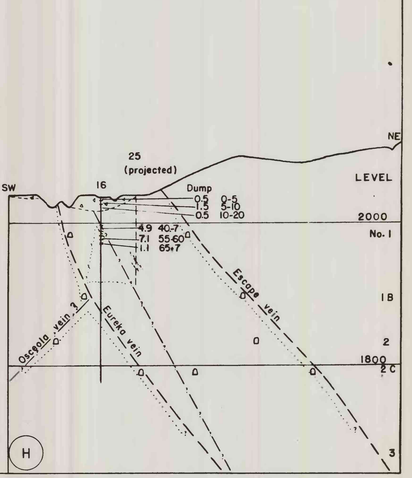
14 — Bureau of Mines diamond drill holes. No. 1 is −70°, S. 33° W. Nos. 2–28 are vertical.

Underground workings cut by sections. All workings in vicinity of sections are inaccessible except No. 1 Level in section rE.

Inferred position of old stopes encountered in diamond drill holes shown by short dashes, and the generalized position of veins, inferred from the drill holes and old map of workings, is sketched by dotted lines. Veins are irregular in thickness over short distances and contain considerable worthless material. Dimensions shown by dots are not considered accurate.

2 8 (other reserves) — Bodies of *INFERRED* reserves defined in report, and based on diamond-drill data.

Bodies of *INFERRED* reserves described in report. Outlines cannot be shown on sections, but believed to lie principally between 1700 ft. altitude and No. 1 level, and especially between sections A and M. These reserves consist of stope fill in both the former high-grade parts of veins and their local extensions into the footwall, and virgin low-grade reserves principally in the footwall. Based on diamond-drill data. Both groups of reserves are based on geologic inferences from the surface and from a large stope in the nearby Osceola and Humboldt veins. Boundaries of bodies can not be shown, especially in the footwalls, because they grade out to traces of cinnabar and depend greatly on original irregular porosity of country rock.

12.2 270-4 — Bureau of Mines assays of sludge samples of drill holes, with depth at which obtained. Most of the assays below 0.5 lb. Hg per ton are not shown.

A D G H R — Geologic sections.