

STRUCTURE CONTOUR MAP OF THE PEND OREILLE AND GRANDVIEW MINES AREA, METALINE MINING DISTRICT, PEND OREILLE COUNTY, WASHINGTON

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This map is preliminary and has not been edited or revised for conformity with U. S. Geological Survey standards and nomenclature.

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OPEN FILE REPORT, 1956 Preliminary map, subject to revision

Map shows principal faults, extent of mine workings as of June, 1955, and location of surface diamond drill holes in and bordering the areas covered by slate. Contours on top of the Metaline limestone (Cambrian) where it is in normal contact with the overlying Ledbetter slate (Ordovician).

See separate sheet for sections

EXPLANATION

Contour on the top of the Metaline limestone, showing altitude of 1800 feet.

Fault showing dip, and upthrown (U) and down-thrown (D) sides. Dip obtained from lower mine workings.

Fault showing vertical dip.

Gap in structure contours between hanging and footwall sides of major normal faults.

Outline of drift and stoned area. Shows altitude of 2200 feet along drift. Details of stoned areas not shown because of small scale.

Incline. Chevrons point down

Glory hole

River bank

870 (Hole number)
1980 (Altitude of the top of the Metaline limestone)

Surface diamond drill hole
Hole number system:
Prefix G—Grandview property
AZ—American Zinc property
US—Drilled by Bureau of Mines
on Pend Oreille property
No prefix—Pend Oreille property

870
1620
Hole surveyed at depth. Shows course of hole and position and altitude of the top of the Metaline limestone.

870
1580(?)
Deep drill hole not surveyed at depth. Estimated position and altitude of the top of the Metaline limestone.

870
N.S.
Deep drill hole, not surveyed at depth. Not used in structural interpretation.

870
(F)
Slate and limestone are in fault contact where cut by drill.

870
2410E
Altitude at which drill cut the eroded surface of the Metaline limestone.

Note: Most of the drill holes have not been surveyed at depth, and, unless otherwise designated or inferred by queries, it is assumed that the hole is vertical or nearly vertical. Many holes drilled from within the mines and not shown on the map were used in compiling this structure map.

Structure contour interval 100 feet

Datum Sea level

Washington State (Metaline mining district). Geol. 1:21,000. 1956.

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