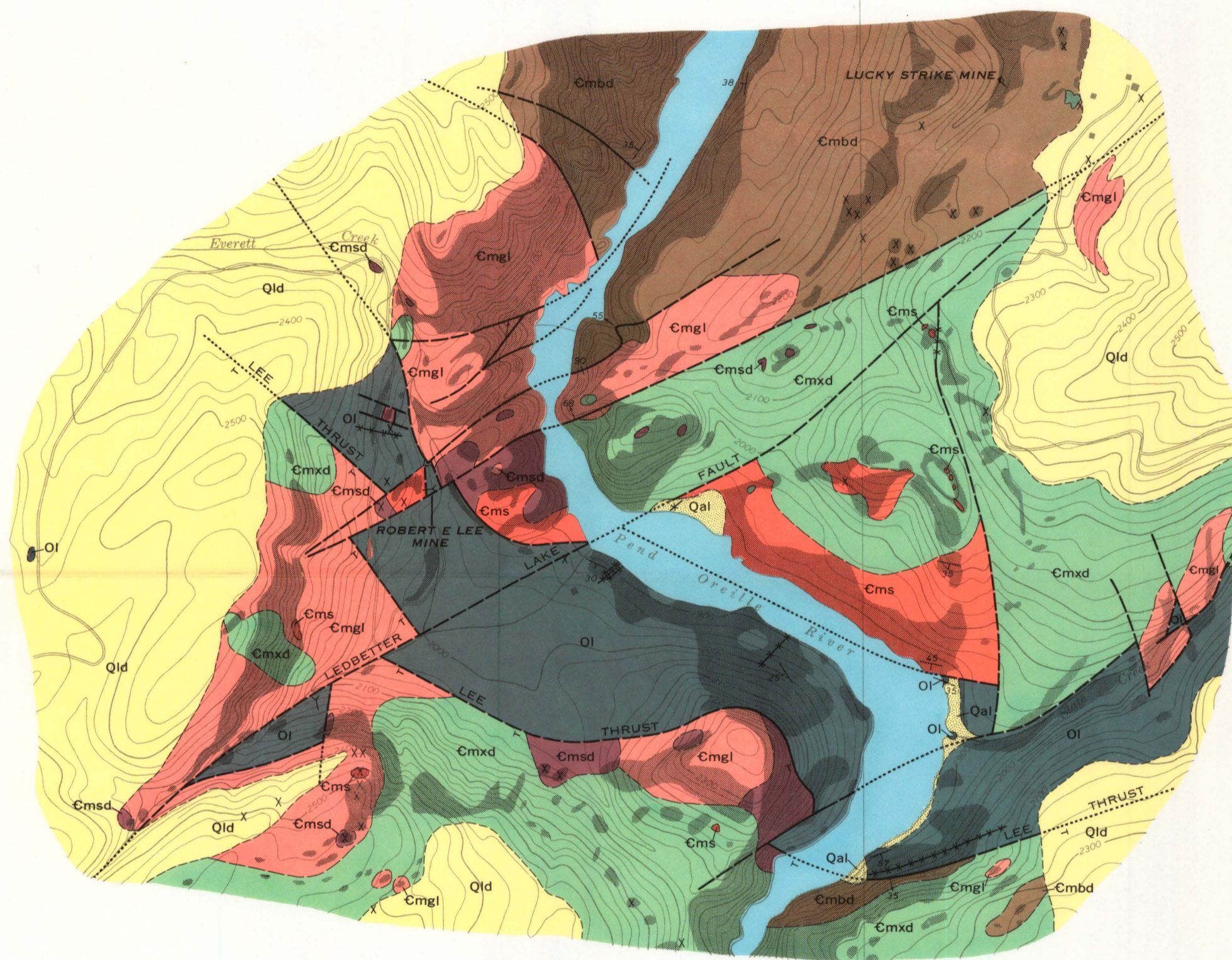


117°21'
48°56'

117°20'



EXPLANATION

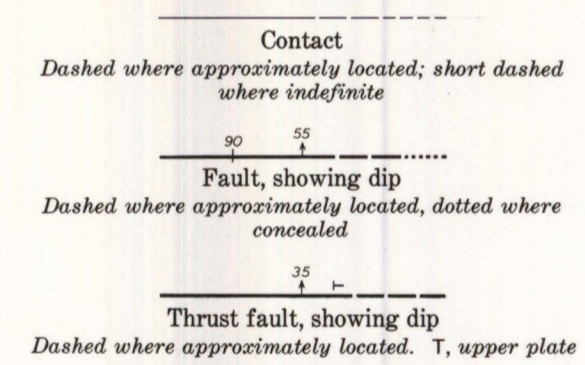
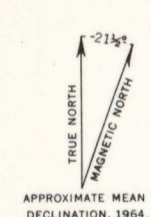
SEDIMENTARY AND IGNEOUS ROCKS

- | | | | | |
|-------------------------------------|--|------|--|--|
| Recent | | Qal | Alluvium | Sand, pebbles, and cobbles |
| | | Qld | Lake deposits | Chiefly silt and sand |
| | | | Dark mafic dike | Chiefly narrow and short |
| Upper Cretaceous(?) or Paleocene(?) | | OI | Ledbetter Slate | Black argillite and slate |
| | | Cmgf | Metaline Limestone | Cmgf, very fine grained poorly bedded gray limestone. Cmbd, white to gray poorly to well-bedded dolomite. See below for additional rock types formed by late stage of alteration |
| Middle Ordovician | | Cmsd | Moderately silicified dolomite | Irregularly silicified light- to dark-gray fine- to coarse-grained crystalline dolomite. Locally brecciated and contains variable amounts of calcite and sulfides. Grades into both Cms listed above and Cmgd listed below |
| | | Cms | Strongly silicified limestone and dolomite | Chiefly jasperoid. Irregularly brecciated, and locally with coarse calcite and sulfides |
| Middle Cambrian | | Cmgd | Crystalline dolomite | White to gray medium- to coarse-grained crystalline dolomite. Jasperoid, calcite, breccia, and sulfides absent or sparse |
| | | Cmbd | Outcrop | Outcrop area shaded |

QUATERNARY
CRETACEOUS(?) OR TERTIARY(?)
ORDOVICIAN
CAMBRIAN

ALTERED ROCKS OF THE METALINE LIMESTONE

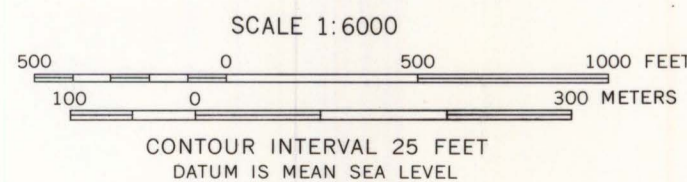
- Formed chiefly during a stage of alteration younger than the two main lithologic types given above
- Strongly silicified limestone and dolomite. Chiefly jasperoid. Irregularly brecciated, and locally with coarse calcite and sulfides
 - Moderately silicified dolomite. Irregularly silicified light- to dark-gray fine- to coarse-grained crystalline dolomite. Locally brecciated and contains variable amounts of calcite and sulfides. Grades into both Cms listed above and Cmgd listed below
 - Crystalline dolomite. White to gray medium- to coarse-grained crystalline dolomite. Jasperoid, calcite, breccia, and sulfides absent or sparse



Topography by multiplex method. Compiled for Metaline Zinc area, by U. S. Geological Survey topographic division, 1945

Geology by M. G. Dings, V. E. Nelson, I. Gladstone, and A. Pabst in 1945-46

GEOLOGIC MAP OF THE AREA SURROUNDING THE LUCKY STRIKE AND ROBERT E. LEE MINES, SHOWING OUTCROPS TYPES OF ALTERED ROCK, AND FAULTS, METALINE ZINC-LEAD DISTRICT, PEND OREILLE COUNTY, WASHINGTON



48°55'
117°21'

117°20'