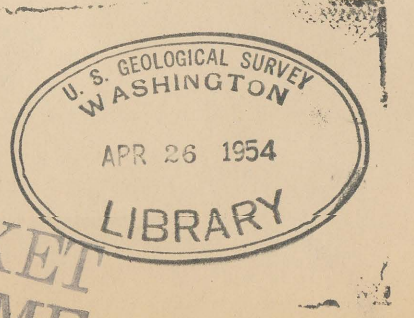




PLEASE RE-PLACE IN BACK OF BOUND VOLUME



U. S. Geological Survey
OPEN FILE REPORT
This map or illustration is preliminary
and has not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.

EXPLANATION

SEDIMENTARY ROCKS

- Qc Quaternary Continental Sediments
(Pulouise Formation, Glacial Drift, Alluvium)
- Tc Tertiary Continental Sediments
(Latah Formation and similar sedimentary)

IGNEOUS ROCKS

- Tb Tertiary Basalt Flows
(Columbia River Basalt flows and volcanic breccias. Includes Tb_u, Upper Basalt Flows and Tb_l, Lower Basalt flows)
- gn Pre-Basalt Gneiss

- Observed contact
- Inferred contact
- Buried contact of gn and Tb_l
- Clay Ore Body outline
- Ex Drill Hole (Drilled by machine)
- Mi Drill Hole (Drilled by hand-auger)

Overburden: (ft) Mining Section (ft)
Available Fe₂O₃(%) Available Al₂O₃(%)
Single line of figures is always for Lower Basalt (Tb_l)
Figures for the drill hole are for Upper Basalt (Tb_u)
Figures for the drill hole are for Sediments (Tc)
When two lines of figures are given, the figures of the upper line are for Sediments (Tc) and the figures of the lower line are for Lower Basalt (Tb_l)

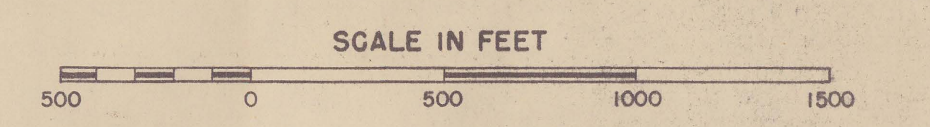
Topography: Field control by V. E. Scheid
May 1944. Compilation by Multiplex
Aero-Projector by F. J. Bates and
M. J. Harder, June 1944.

Geology: by V. E. Scheid Dec. 1943

All sections in T.24N., R.44E., W.M.

Contour Interval: 10 feet.

Datum: Spokane City Datum (16.55 ft
higher than U.S.G.S. datum).



Drill hole and sample data furnished
by the U. S. Bureau of Mines

TOPOGRAPHIC AND GEOLOGIC MAP, EXCELSIOR HIGH-ALUMINA CLAY DEPOSIT, SPOKANE COUNTY, WASHINGTON