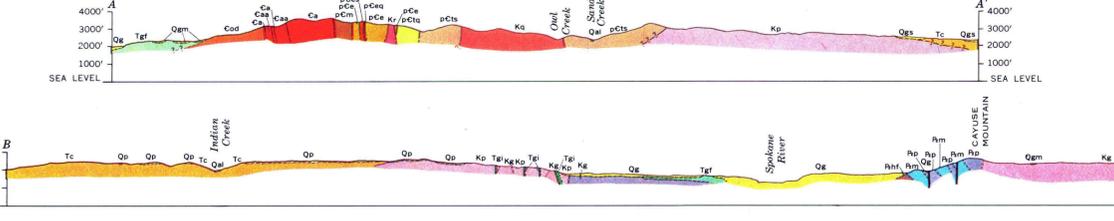


Base map by Topographic Division
U. S. Geological Survey, 1950

INTERIOR-GEOLOGICAL SURVEY, RESTON, VA.—67794
Geology by E. L. Boudette and P. L. Weis, 1955,
and G. E. Becraft and P. L. Weis, 1956-57



EXPLANATION

Qm Alluvium	Qe Glacial moraine Principally unsorted and unstratified ground moraine; locally water-lain deposits	Qs Glacial lake silt	Qd Glacial deposits undivided Principally stratified deposits, but include moraine, reworked glacial material, and windblown sand
Qp Palouse formation Grayish-brown to brown loess. Stippled where mixed with glacial gravel	Tc Columbia River basalt Black to dark-green or brownish-green fine-grained basalt flows	Tg Intrusive rocks equivalent to Jerome andesite Dominantly porphyritic rhyodacite(?) containing pla- gioclase phenocrysts in an aphanitic groundmass; locally even grained. Dark to light green; dense. Generally occur as dikes	Tf Flows of Jerome andesite Dense fine-grained gray, greenish-gray, or black rhyodacite. Locally porphyritic, with hornblende or pyroxene phenocrysts
Tp Pyroclastic and sedimentary rocks of Jerome andesite Tuff, crystal tuff, lapilli tuff, tuff-breccia. Local in- tercalated tuffaceous sandstone, carbonaceous beds; include sparse thin flows of rhyodacite	Te Jerome andesite undivided	Kv Intrusive rhyolite Dense fine-grained white to light-yellowish-gray rock, with scattered, euhedral quartz phenocrysts	Kp Lamprophyre Fine-grained dark-greenish-gray dike rocks
Ka Alaskite, apfite, and pegmatite Fine-grained light-colored alaskite and apfite dikes, and quartz-feldspar pegmatite dikes containing sparse muscovite or biotite	Kk Granite porphyry dikes	Kg Granodiorite Massive medium-grained gray rock containing abundant biotite and hornblende	Kz Porphyritic quartz monzonite Medium- to coarse-grained gray to pinkish-gray rock with abundant 1- to 3-inch phenocrysts of potassium feldspar, locally, plagioclase and quartz phenocrysts; contains 3 to 5 percent biotite
Ke Equigranular quartz monzonite Coarse- to medium-grained, light-gray to light-yellow- ish-gray rock containing 1 to 5 percent biotite	Kf Fine-grained equigranular quartz monzonite Light-gray to yellowish-gray rock; contains crystals commonly less than 2 millimeters in size. Biotite commonly less than 6 percent	Km Massive medium-grained gray rock containing abundant biotite and hornblende	Kn Fine-grained quartz monzonite rich in mafic minerals Fine-grained gray rocks containing about 15 percent mafic minerals

NORTHERN SECTION

SOUTHERN SECTION

CAMBRIAN

PRECAMBRIAN

PALEOZOIC(?)

UNCONFORMITY

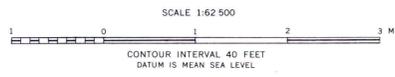
Hydrothermally(?) altered rocks

Vein, showing dip

MINES AND PROSPECTS REFERRED TO IN TEXT:

1. Midnite mine
2. Northwest Uranium mine
3. Big Smoke mine
4. Lowley Lease
5. Deer Mountain prospect
6. O-La-Lim mine
7. Spokane Molybdenum mine
8. Oradama mine
9. Valley View mine
10. Fourss (4-S) mine
11. Matherly prospect
12. Turtle Lake prospect
13. Germania Consolidated mine
14. Silica deposit
15. Barite prospect
16. Coal prospect

GEOLOGIC MAP AND SECTIONS OF THE TURTLE LAKE QUADRANGLE, LINCOLN AND STEVENS COUNTIES, WASHINGTON



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