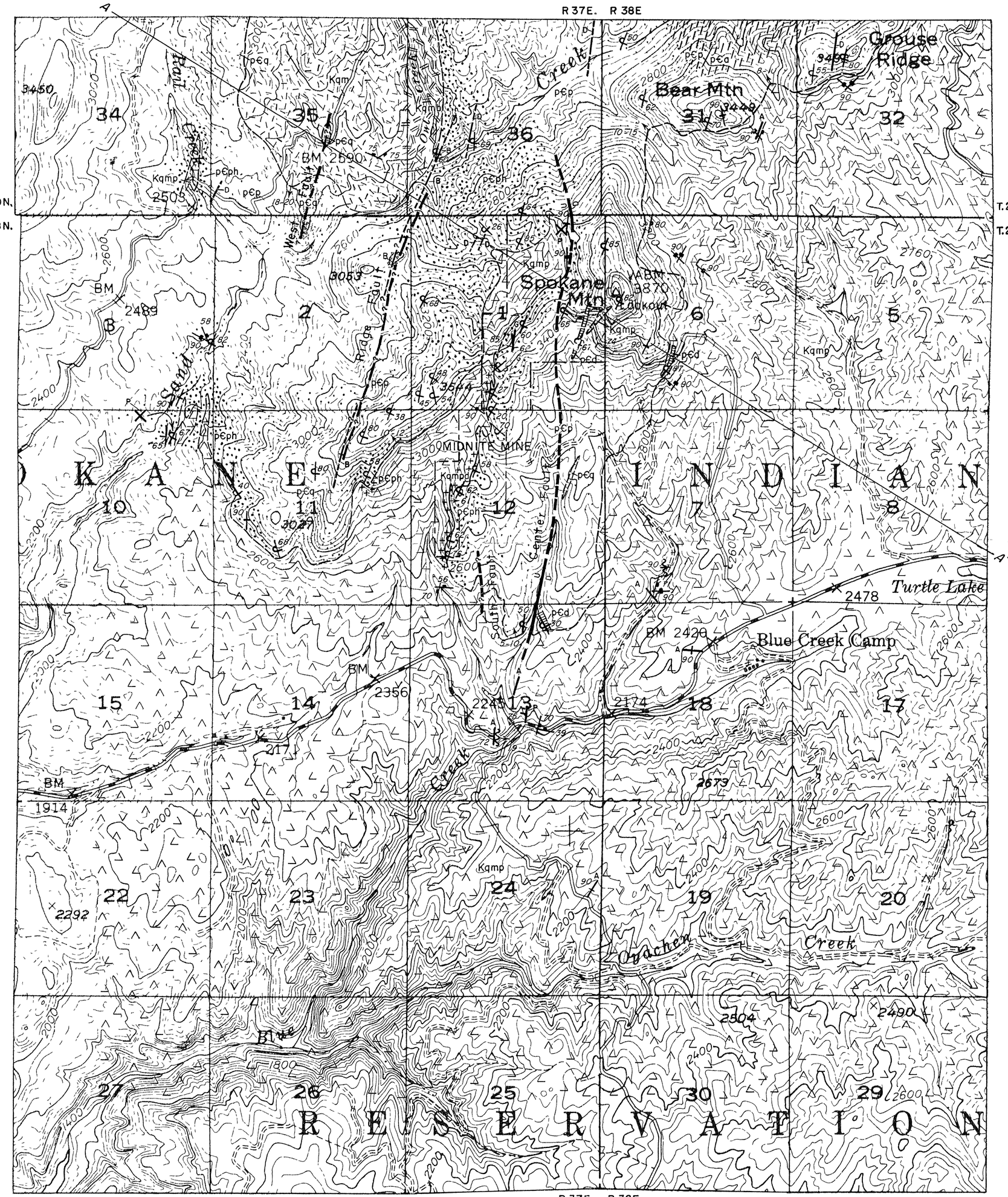


Base from U S G S TURTLE LAKE Quadrangle (15 minute series) 1950

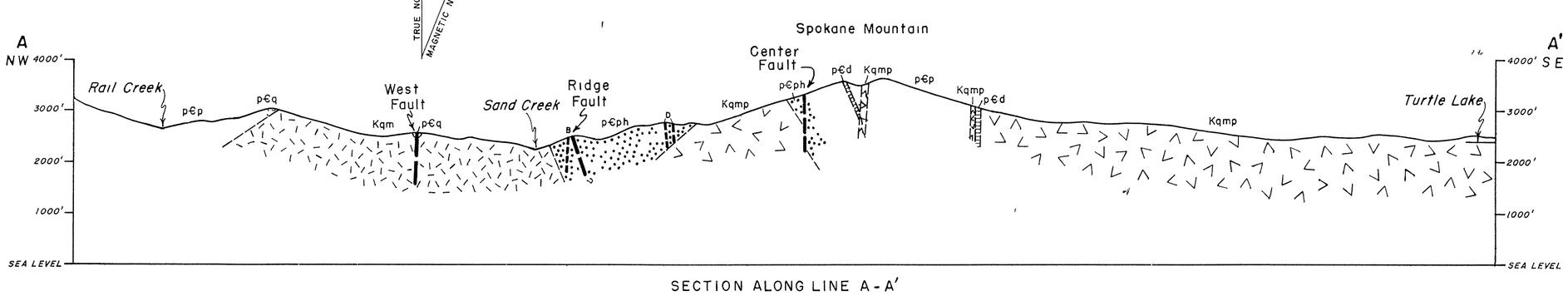
R 37E. R.38E.

Geology by E L Boudette and P L Weis, 1955

1 ½ 0 1 Miles

Contour interval 40 feet
Datum is mean sea level

TRUE NORTH
MAGNETIC NORTH
22½°



SECTION ALONG LINE A-A'

EXPLANATION

BEDDED ROCKS

PRECAMBRIAN ?

Metasedimentary rocks ("Togo" Formation)
Includes spotted phyllite, pЄp, locally grading into quartz-mica schist, pЄph, argillite, pЄa, argillaceous quartzite, pЄq, and dolomitic marble, pЄd, locally grading into calc silica hornfels

INTRUSIVE IGNEOUS ROCKS

CRETACEOUS ?

BATHOLITHIC ROCKS

Porphyritic quartz monzonite
Locally containing dark quartz, Kampd

Quartz monzonite
Biotite rich zone, Kamb

MINOR INTRUSIVES

Aplite dike, showing dip and strike

Aplite dike, vertical, showing strike

Aplite dike, showing general strike

Pegmatite dike, tabular, showing dip and strike

Pegmatite, plug shaped

Granite dike, showing dip and strike

Felsic dike rock, showing strike
Fine-grained porphyritic rock of unusual or diverse composition

Felsic dike rock, vertical, showing strike
Fine-grained porphyritic rock of unusual or diverse composition

PRECAMBRIAN ?

Hornblende lamprophyre dike or sill

Contact, showing dip
Dashed where concealed or approximately located

Fault
U, upthrown side, D, downthrown side (Dashed where inferred)

Probable fault

Shear, minor, showing dip

Shear, minor, vertical

Fault breccia

Strike and dip of beds and foliation

Strike and dip of overturned beds and foliation

Strike and dip of vertical beds and foliation
90 shows up side of beds

Strike and dip of joints

Strike of vertical joints

Boundary, Midnite Mine property

FIGURE 2 - GEOLOGIC MAP AND SECTION, MIDNITE MINE AND VICINITY, STEVENS COUNTY, WASHINGTON