

Js J1

**GALICE FORMATION**

Dark grey to black, thin-bedded mudstone, commonly with slaty cleavage and interbeds of greywacke. Coarse-grained greywacke contains rounded clasts of black shale. Locally includes chert-rich pebble conglomerate beds. Dated as Late Jurassic (Oxfordian-Kimmeridgian) on the basis of *Buchia concentrica* (Sowerby) and contains trace fossils and plant fragments (Js). Thin-bedded black shale interbedded or overlain by metatuff (J1).

Jvt Jc

**ROGUE FORMATION**

Massive greenish-grey, porphyritic lava flows, lithic tuffs and breccia of dacitic to andesitic composition. Remnant pillow structures seen locally (Jvt). Metatuffs interbedded with bedded chert and minor shale (Jc).

um

**ULTRAMAFIC ROCK**

Serpentinite with residual peridotite occurs as narrow bodies that are highly sheared, found along major fault zones.

hd

**HORNBLende DIORITE PORPHYRY**

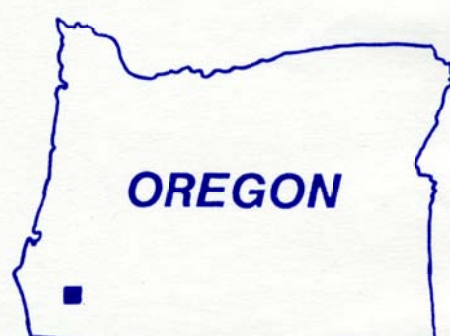
Equigranular, dark hornblende-rich rocks that occur as dikes, near or along contacts with older rocks.

ba

**BASALT**

Amygdaloidal basalt flows that weather to a dark greenish grey. Calcite veins abundant.

- contact, observed or inferred
- strike and dip of bedding  
inclined, vertical, overturned or upright
- strike and dip of foliation, inclined or vertical
- trend and plunge of fold axes ( $S_0 \times S_1$ )
- - - - - fault approximately located
- · - · - · - - probable fault
- ~ ~ ~ ~ ~ shear zone
- x crenulation cleavage
- trace fossils
- *Buchia concentrica* (Sowerby)
- plant fragments
- ⊙ mine
- limit of mapping



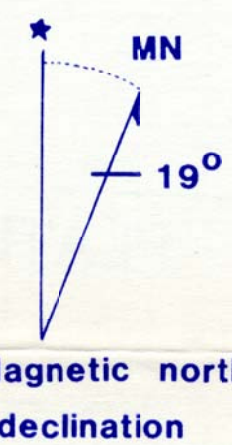
map location

**GEOLOGIC MAP OF THE GALICE AND ROGUE FORMATIONS NEAR GALICE, OREGON**

SCALE 1:31,680

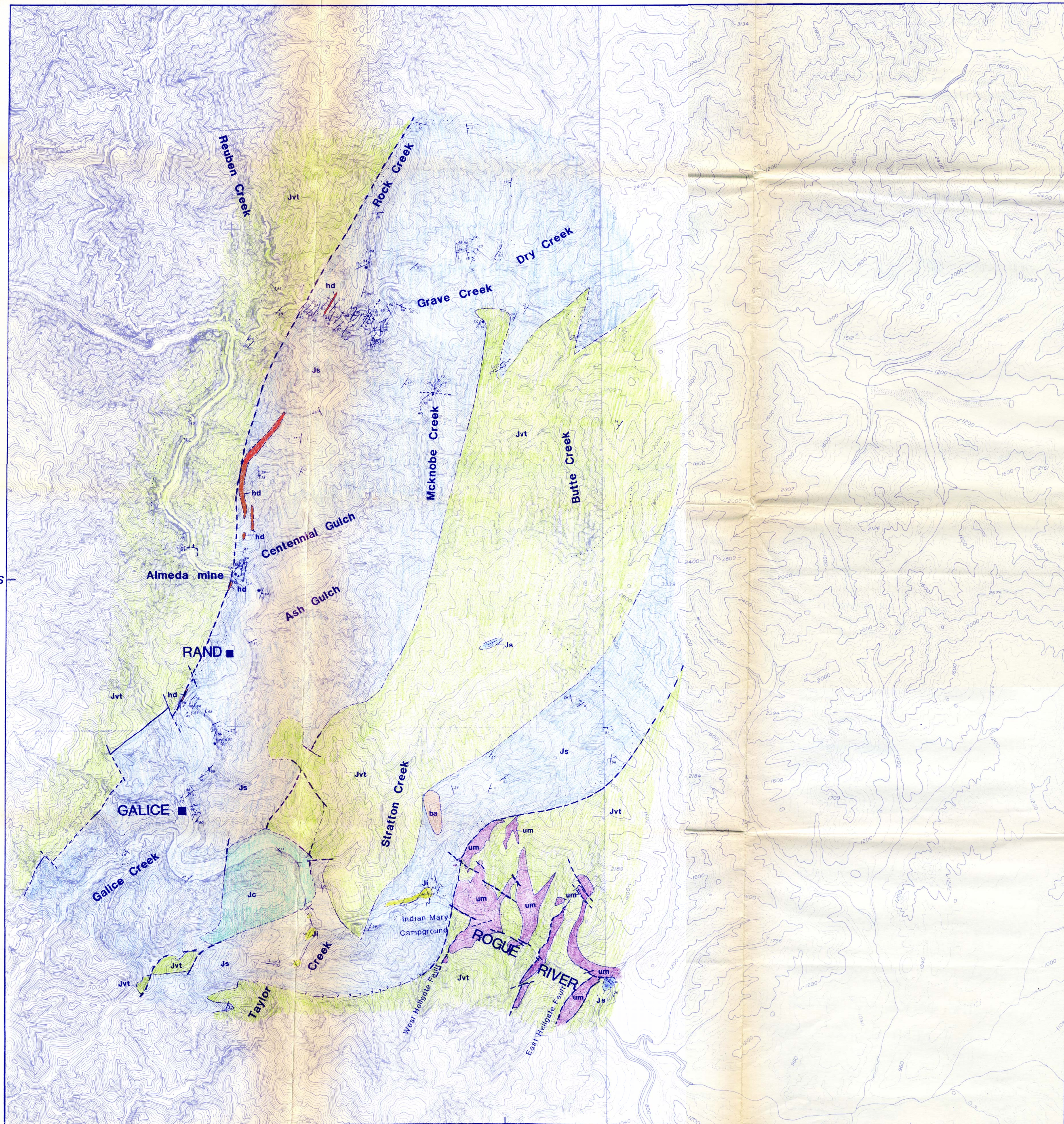
0 1 2 miles

0 1 2 3 km



1980 Magnetic north declination

Mapped by R. Park during June-July of 1985



Contour interval 50 feet

R.7W

Contour interval 80 feet

PLATE 1