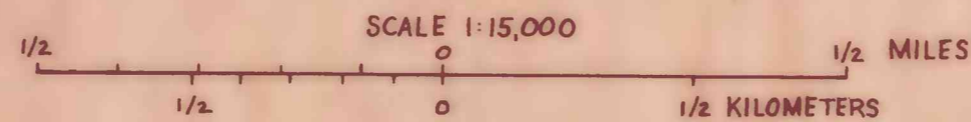


Base from U.S. Geological Survey 1:62,500
topographic series Mt. BONAPARTE, WASH, 1957
CONTOUR INTERVAL 80 FT.

Geology by Kenneth F. Fox, Jr., 1968



SYMBOLS (may be combined)

- ⊕, X, 25, 25
Strike and dip
- ⊕, X, 25, 25
Bedding: horizontal, vertical, inclined, and folded within outcrop
- ⊕, X, 25, 25
Foliation: inclined
- ⊕, X, 25, 25
Jointing: vertical, inclined

EXPLANATION

- Qs Surficial deposits; alluvium, glacial drift
- TF Felsite dikes
- Ts Arkose, siltstone, and conglomerate
- Tsc Conglomerate, composed of granitic detritus
- UNCONFORMITY
- Taa Alaskite, brecciated and hydrothermally altered
- Tam Menzonite, commonly brecciated, locally unit includes shonkinite
- Tas Shonkinite, locally unit includes malinite, monzonite; commonly brecciated
- Taf Fertilized metasilstone and greenstone of Ellemcham(?) Formation; commonly brecciated
- Tog Okanogan gneiss dome. Granodiorite
- KRgm Quartz monzonite; commonly brecciated
- JRe Ellemcham Formation (?). Greenstone, meta-siltstone; commonly brecciated
- UNCONFORMITY
- Ps Spectacle Formation
- Psm Phyllite, metasiltstone
- Psm Marble, fine-grained

Esocene(?)
Relative ages unknown
Age of gneiss dome relative to alkalic rocks unknown
Relative ages unknown
Ageochist Group

QUATERNARY
TERTIARY (?)
TRIASSIC TO CRETACEOUS
TRIASSIC OR LOWER JURASSIC
PERMIAN

SAMPLE LOCALITIES

X O-401A Locality of chemically analysed specimen

- Contact, approximately located, queried where inferred, short dashed where gradational, dot-dashed where diagrammatic
- Fault, approximately located, showing dip where observed, dotted where concealed

GEOLOGIC MAP OF BIMETALLIC MOUNTAIN
ALKALIC COMPLEX

Kenneth F. Fox, Jr.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

(200)
NR 290
no. 1867
PLATES

U.S. GEOLOGICAL SURVEY.
[REPORTS-OPEN FILE SERIES]