



Base from U. S. Geological Survey 1:62,500
topographic series: LOOMIS, WASH., 1956
CONTOUR INTERVAL 80 FT.
Geology by Kenneth F. Fox, Jr., and
C. D. Rinehart, 1964-1969
SCALE 1:15,000
1/2 1/2 MILES
1/2 1/2 KILOMETERS

SYMBOLS (may be combined)
Strike and dip
Bedding: vertical, inclined, and folded within outcrop
Foliation: vertical, inclined, and folded within outcrop
Jointing: vertical, inclined
Shear planes, commonly spaced at 5 to 40 cm. intervals
Strike and plunge
Fold axis: plunging and horizontal

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

Fault, approximately located, showing dip where observed, dotted where concealed

EXPLANATION

- Qs Surficial deposits: alluvium, glacial drift, talus
- Td Dacite, andesite
- Tw Volcanic wacke, volcanic conglomerate
- UNCONFORMITY
- Tsg, Ts Conglomerate, arkose, and wacke
Tsg, Conglomerate, composed chiefly of granitic detritus
Ts, Arkose, wacke, minor siltstone
- UNCONFORMITY
- JRm Monzonite breccia
- JRdc, JRdf Dikes
JRdc, Carbonatite
JRdf, Feldspathic breccia
- JRab Alkalic gneiss breccia
- JRn Malignite, grading locally to shonkinite
- JRa Alkalic gneiss. Mafic, fine-grained, streaky
- JRf Metasomatized metasiltstone of the Ellemeham Formation
- JRbg, JRbs Alloclastic explosion breccia
JRbg, Composed of brecciated greenstone and thin-laminated metasiltstone of the Kobau Formation
JRbg, Composed of brecciated quartzite (meta-chert) of the Kobau Formation
JRbs, Composed of brecciated, thin-laminated, mafic meta-siltstone of the Ellemeham Formation
- JRa Ellemeham Formation, chiefly thin-laminated, mafic meta-siltstone
- UNCONFORMITY
- JRkg, JRkg Kobau Formation
JRkg, Greenstone, mafic meta-siltstone, quartzite (meta-chert)
JRkg, Quartzite (meta-chert)

SAMPLE LOCALITIES

x L-693A Locality of chemically analysed specimen

GEOLOGIC MAP OF SHANKERS BEND
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.

QUATERNARY

TERTIARY

TRIASSIC OR LOWER JURASSIC

TRIASSIC

(200)
NR 290
No. 1867
PLATES
U.S. GEOLOGICAL SURVEY
[REPORTS - OPEN FILE SERIES]