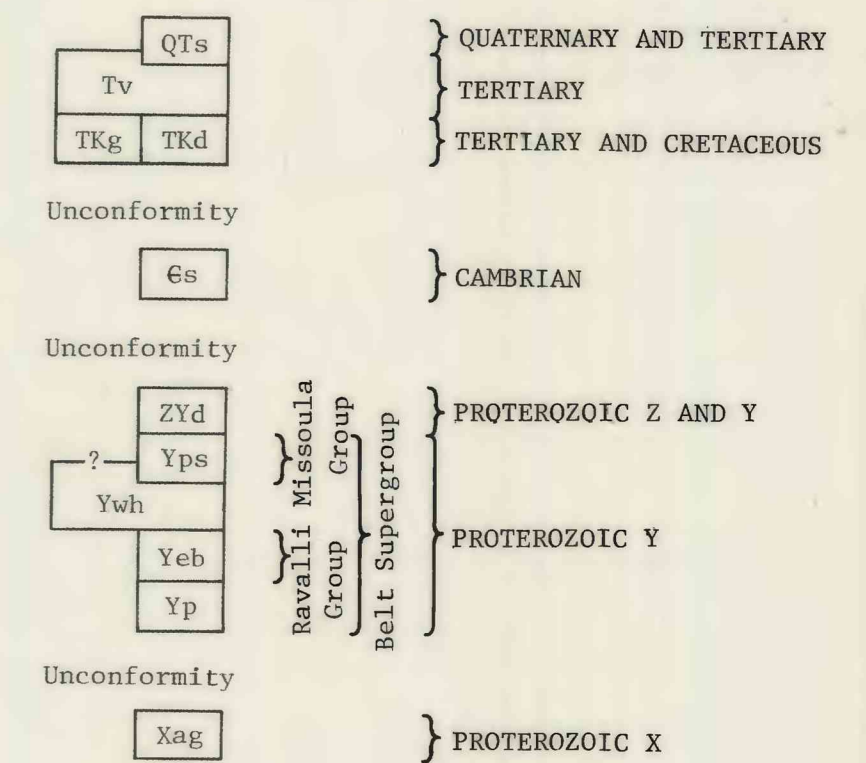


This map is part of a folio of maps of the Wallace 1° x 2° quadrangle, Montana-Idaho, prepared under the Conterminous United States Mineral Assessment Program (CUSMAP).

This map has not been reviewed for conformity with U.S. Geological Survey editorial standards.

CORRELATION OF GEOLOGIC MAP UNITS

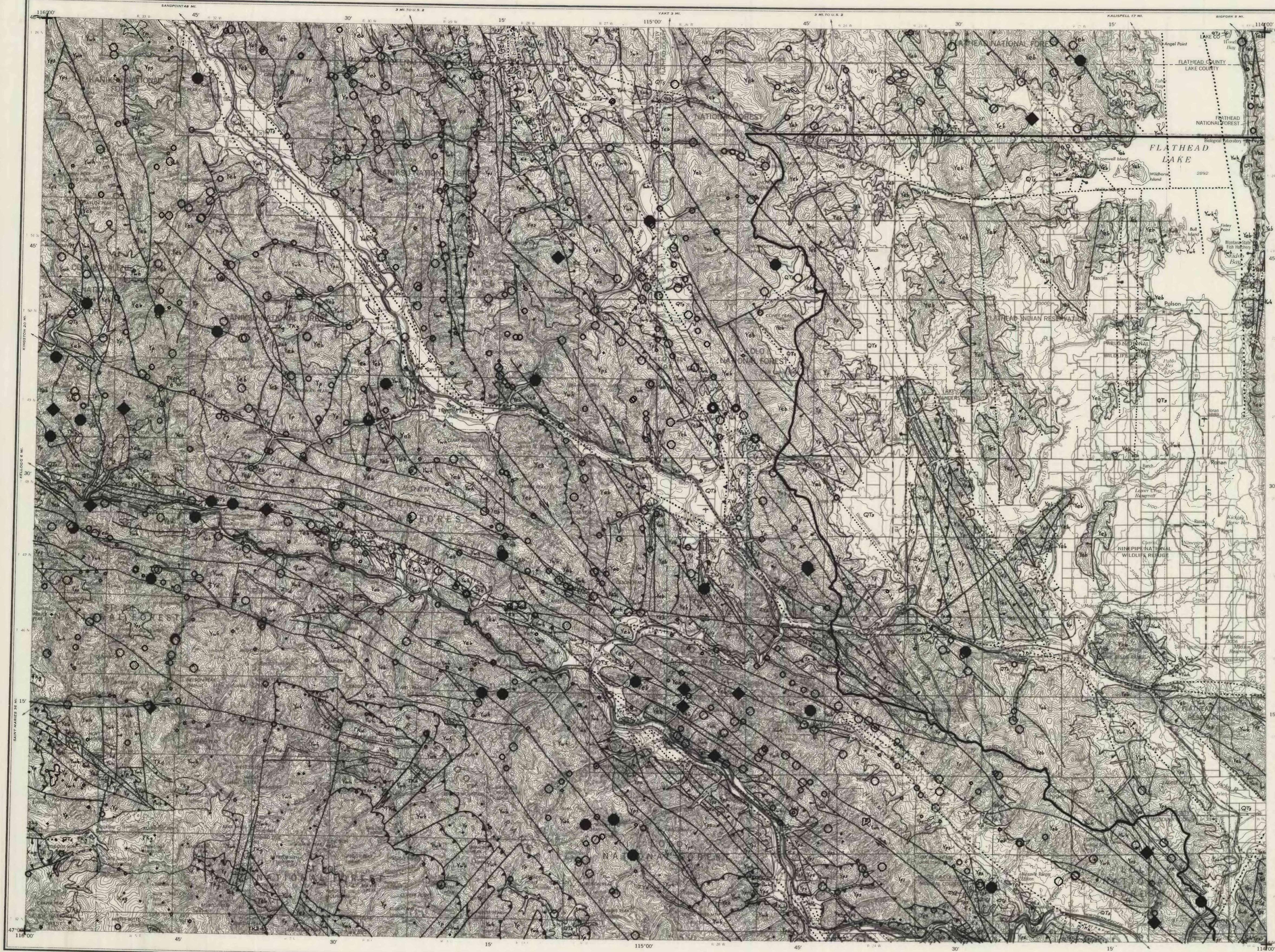


DESCRIPTION OF GEOLOGIC MAP UNITS

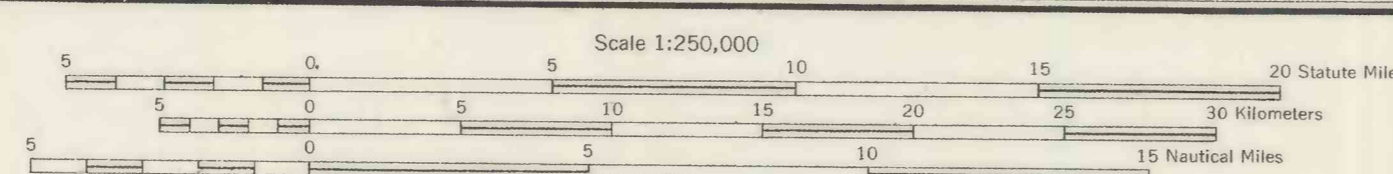
- QTs VALLEY FILL DEPOSITS (QUATERNARY AND TERTIARY)--Alluvium, glacial deposits, and semiconsolidated to consolidated conglomerate interlayered in places with shale, coal, and volcanic ash; shown only in major valleys and basins or along main stream courses
- Tv VOLCANIC ROCKS (TERTIARY)--Largely andesitic to dacitic welded tuff
- TKg GRANITIC INTRUSIVE ROCKS (TERTIARY AND CRETACEOUS)
- TKd DIORITIC INTRUSIVE ROCKS (TERTIARY AND CRETACEOUS)
- Gs SEDIMENTARY ROCKS (CAMBRIAN)--Includes Red Lion Formation, Hasmark Dolomite, Silver Hill Formation, Flathead Quartzite, and equivalent rocks
- ZYd DIORITIC TO GABBROIC SILLS AND DIKES (PROTEROZOIC Z AND Y)
- Yps MISSOULA GROUP (PROTEROZOIC Y)--Includes Pilcher, Libby, Garret Range, and McNamara Formations, Bonner Quartzite, and Striped Peak, Mount Shields, Shepard, and Snowslip Formations
- Ywh WALLACE AND HELENA FORMATIONS (PROTEROZOIC Y)
- Yeb RAVALLI GROUP (PROTEROZOIC Y)--Includes Empire, St. Regis, Spokane, Revett, and Burke Formations
- Yp FRICHARD FORMATION (PROTEROZOIC Y)
- Xag ANORTHOISITE, SCHIST, AND GNEISS (PROTEROZOIC X)

- CONTACT
- FAULT--Dotted where concealed. Bar and ball on downthrow side; arrows show relative direction of apparent horizontal movement
- THRUST FAULT--Dotted where concealed. Sawteeth on upper plate

Note: This generalized and simplified geologic map was prepared as an underlay for various geophysical and geochemical data collected in the Wallace 1° x 2° quadrangle. A fuller treatment of geologic units and structure can be found on other maps in the Wallace CUSMAP folio

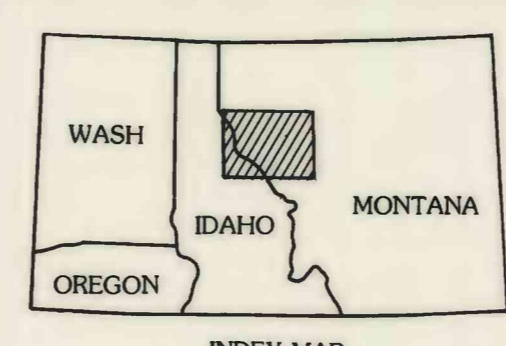


Base from U.S. Geological Survey, 1956



CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

1965 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 20W (2ND MILE) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 20° (3RD MILE) FOR THE CENTER OF THE EAST EDGE.



Geology by J. E. Harrison, A. B. Griggs, and J. D. Wells, 1970-1980. Assisted by H. R. Covington (1972), Joseph Boggs (1973), and J. P. Harrison (1970-1980)

MAP SHOWING GEOLOGY AND SAMPLE LOCALITIES AND CONCENTRATION OF LEAD IN NONMAGNETIC HEAVY-MINERAL CONCENTRATES FROM THE WALLACE 1° x 2° QUADRANGLE, MONTANA AND IDAHO

By
D.L. Leach, D.M. Hopkins, J.A. Domenico, H.E. Dawson
1982

