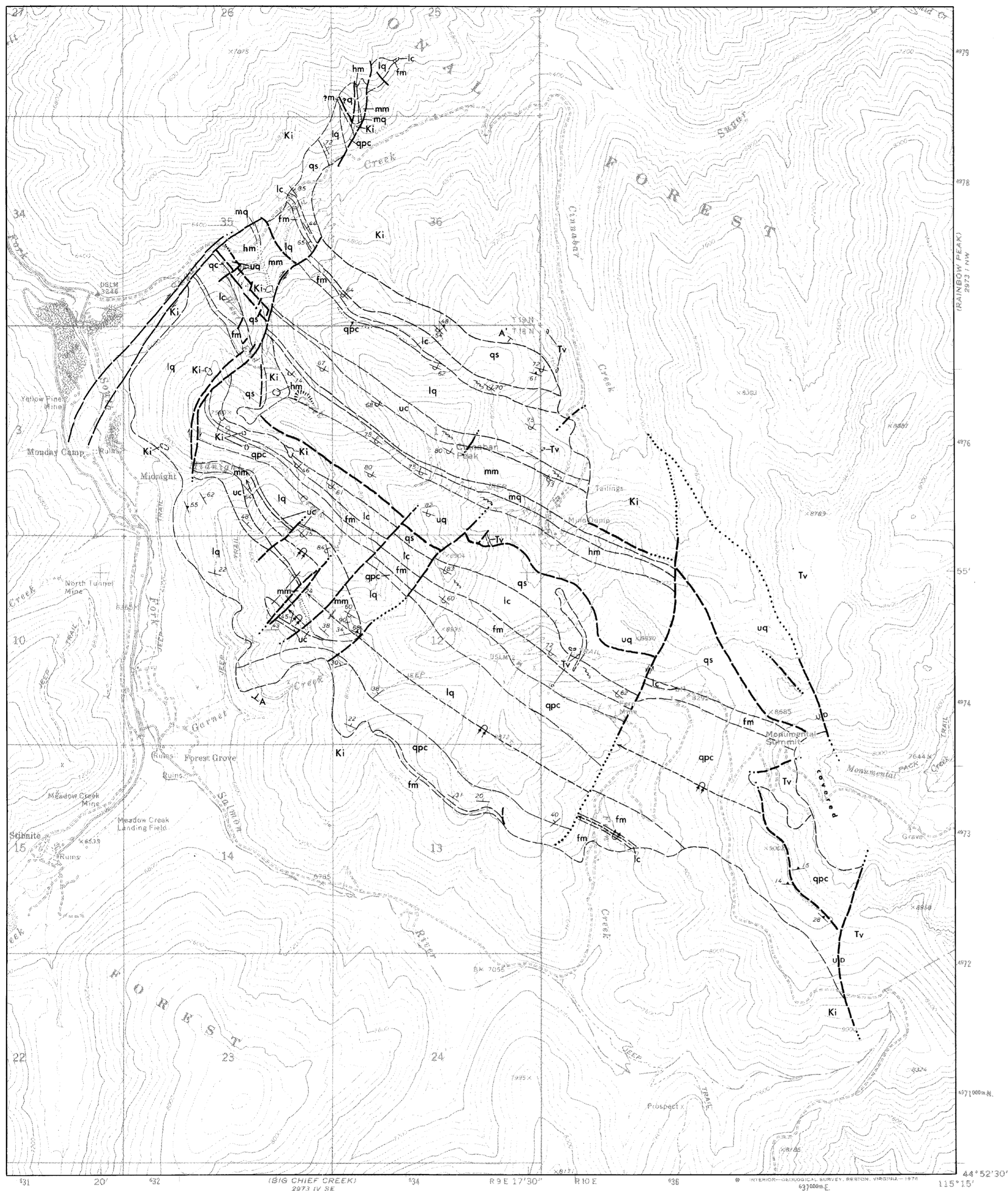


Geologic Map of the Stibnite Roof Pendant, Valley County, Idaho, by James R. Smitherman.

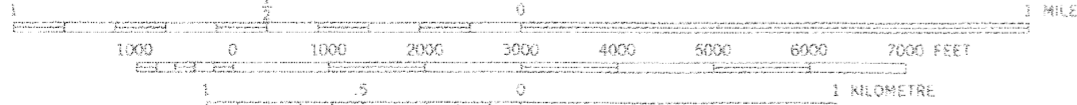
Plate 1 in J. R. Smitherman, 1985, Geology of the Stibnite Roof Pendant, Valley County, Idaho: University of Idaho M. S. thesis, 62 p.



EXPLANATION

- Tertiary**
- Tv Challis Volcanics
Latite to dacite lava flows and rhyolite lava or ash flow tuff along the eastern roof pendant margin. Includes porphyritic andesite to latite dikes within roof pendant.
- Cretaceous**
- Ki Idaho Batholith
Medium-grained biotite granodiorite and coarse-grained muscovite-biotite granite. Includes medium-grained, pegmatitic and aplitic dikes within roof pendant.
- Lower Paleozoic ?**
- uq upper quartzite
White, gray or black, fine- to coarse-grained, massive, vitreous quartzite. Laminated siltite layers in upper portion of unit.
 - hm hermes marble
White to gray or tan, fine- to coarse-grained, thin to massively bedded dolomitic marble, locally scapolite rich.
 - mq middle quartzite
White, gray or tan, medium- to coarse-grained, clean, vitreous quartzite, locally with calcareous cement.
 - mm middle marble
Thin bedded, diopside-phlogopite-scapolite bearing calcite marble.
 - uc upper calc-silicate
Dark-gray to gray, fine-grained, calcareous and non-calcareous plagioclase calc-silicate rock to the southwest and laminated calc-silicate rock and calcitic marble to the northeast.
 - lq lower quartzite
Light-gray, massive to medium bedded, muscovite bearing quartzite, locally schistose.
 - qpc quartz-pebble conglomerate
Coarse-grained to pebbly quartzite with discontinuous layers of poorly sorted conglomerate and quartz-mica schist.
 - fm fern marble
White to tan, medium- to coarse-grained dolomitic marble.
 - lc lower calc-silicate
Dark-gray, quartzo-feldspathic layers with alternating green calc-silicate layers in lower portion of unit. Light-gray calcite marble with green calc-silicate interlayers in upper portion of unit. Entire unit is thin bedded.
 - qs quartzite schist
Gray, medium- to fine-grained quartz-mica schist. Very coarse andalusite porphyroblasts locally common. Quartzite interbeds in upper portion of unit.
- Contact; dotted where concealed or inferred.
- 70° Strike and dip of bedding.
- 80° Strike and dip of overturned bedding.
- 60° Strike and dip of schistosity.
- Minor fold symmetry viewed down plunge.
- ↗ Axial trace of overturned fold showing plunge of axis.
- Fault; dotted where concealed or inferred.

SCALE 1:24 000



CONTOUR INTERVAL 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

STIBNITE, IDAHO

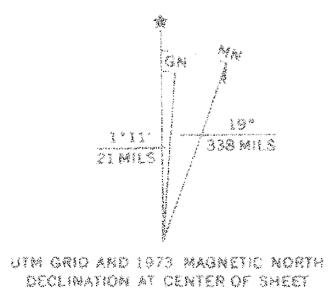
NE/4 YELLOW PINE 15' QUADRANGLE
N4452.5--W11515.7.5

1973

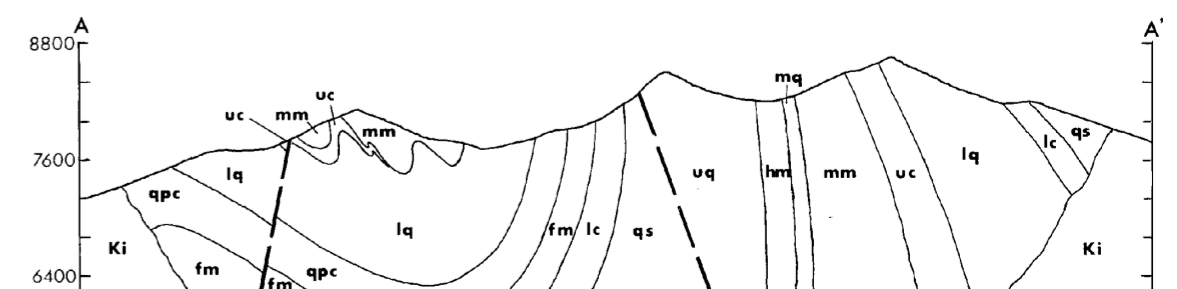
AMS 2973 IV NE--SERIES V885



QUADRANGLE LOCATION



UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



GEOLOGIC MAP OF THE STIBNITE ROOF PENDANT
VALLEY COUNTY, IDAHO

James R. Smitherman
1986