

114° 35' 23"
37° 05' 06"

114° 19' 49"
37° 05' 12"



36° 48' 08"
114° 35' 30"

36° 48' 14"
114° 19' 34"

**PLATE 3, GEOCHEMICAL ANOMALY MAP, HEAVY-MINERAL
CONCENTRATES, COPPER AND MOLYBDENUM.**

**MORMON MOUNTAINS WSA
LINCOLN AND CLARK
COUNTIES, NEVADA.**

by HARLAN N. BARTON AND GORDON W. DAY, 1984.

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

- Qal - Younger alluvium, reworked older alluvium and recent deposits in stream channels.
- QTg - Older gravels, chiefly dissected unconsolidated and poorly consolidated gravel fans. Younger than the youngest volcanic rocks.
- Tl - Older lake beds, white, buff, tan, and terra cotta tuffaceous clay, sand, and silt with some diatomaceous earth and marly limestone.
- Tt - Lacustrine limestone, chiefly white, buff, and gray, but locally black, lenticular fresh-water algal limestone with some interbedded conglomerate and volcanic rocks.

- TKvu - Volcanic rocks, undifferentiated, ignimbrites and tufts several thousand feet thick, includes perlite, waterlaid tuff, sandstone, rhyolite flows, welded and partially welded tufts, spheroidal weathering dacite, andesitic flows.
- Pkt - Kaibab limestone and Toroweap formation, undifferentiated, double cliffs of massive, gray, very cherty limestone separated by thin-bedded buff, white, and pink dolomite, gypsum, and limestone breccia.
- Prb - red beds, reddish, yellowish, and brownish sandstone, siltstone, gypsiferous shale, and some thin beds of gray limestone.
- PPI - Permian and Pennsylvanian limestone, undifferentiated.

- Mm - Monte Cristo limestone, massive light and dark-gray cliff-forming limestone. One of five members, the Anchor limestone member, contains abundant chert.
- DEu - Devonian to Cambrian limestone and dolomite, undifferentiated.
- Ep - Pioche shale; yellowish, greenish, and brownish micaceous and argillaceous shale with some sandstone and several prominent limestone beds.
- Epim - Prospect mountain quartzite, reddish and brownish poorly sorted quartzite with some shale and conglomerate beds. Massive white quartzite common at top.
- pEim - Igneous and metamorphic rocks, granite, amphibolite, gneiss, and biotite schist, all cut by pegmatite dikes.

- Copper, ppm**
- ▲ 30
 - △ 50
 - △ 70
 - △ 100-300
- Molybdenum, ppm**
- ▽ 15-20
 - ▽ 30
 - ▽ 50-100