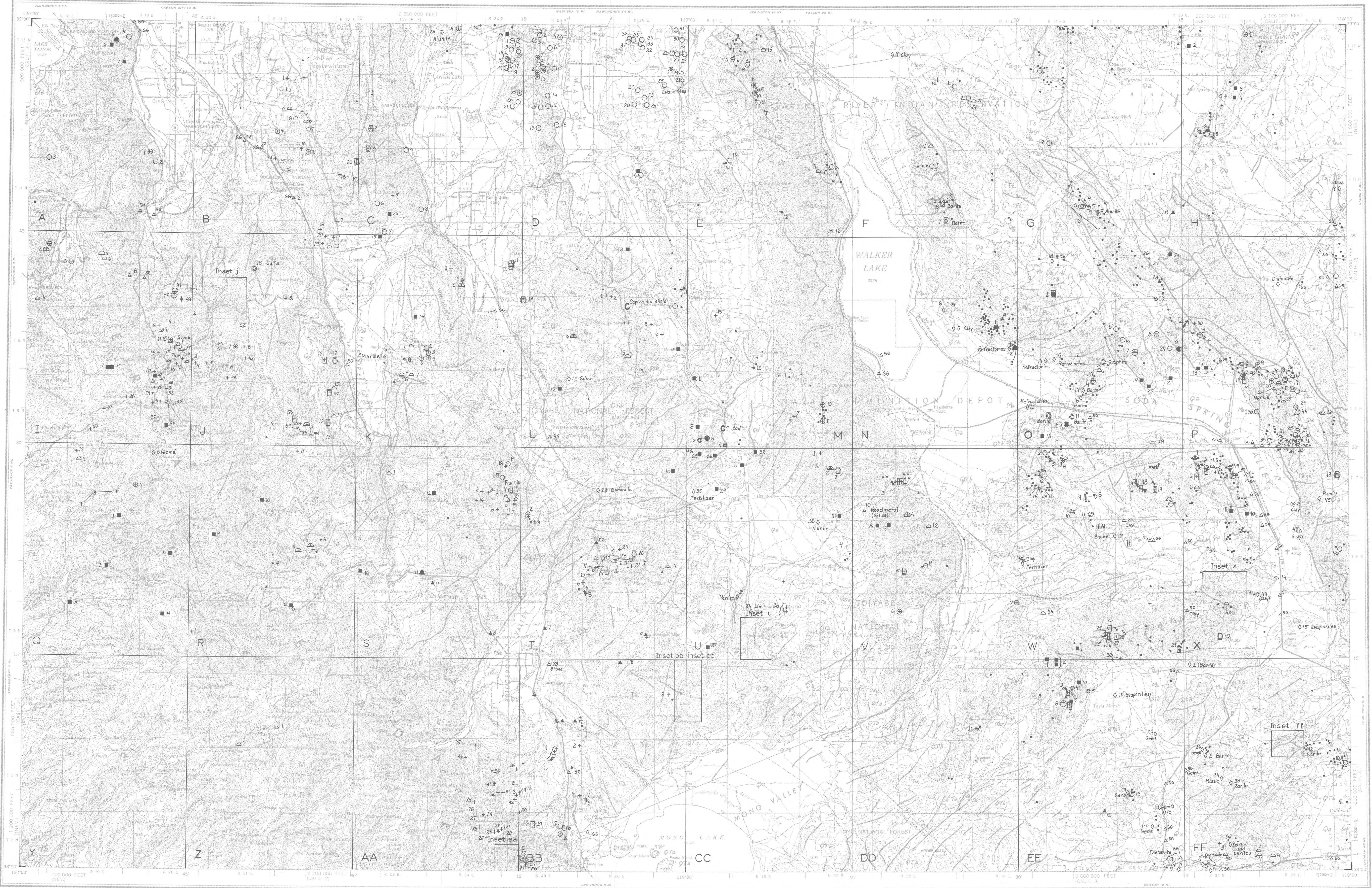


This is part of a folio of maps of the Walker Lake
1° by 2° quadrangle, California-Nevada, prepared under
the Continuously United States Mineral Assessment
Program.



EXPLANATION
Numbered localities listed in accompanying table, keyed to 15' quadrangles (letters A to FF)

Metallic commodities

- + or ■ Au and (or) Ag and (or) Sb; black field indicates U
- Cu and (or) Fe
- △ W and (or) Mo
- Cu and (or) Fe and W and (or) Mo
- Pb and (or) Zn
- ▲ Hg
- U

Nonmetallic industrial commodity occurrences

- Alunite Fluorite Pumice
- Barite Gema Refractories
- Diatomite Graphite Silica
- Evaporites Mica Sulfur (pyrites at
- Fertilizer Perlite Miller Mountain)

Nonmetallic construction commodity occurrences

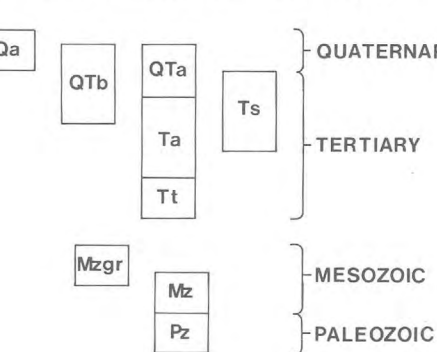
- Clay
- Lime
- Marble
- Road metal (silica)
- Stone, dimension and (or) ornamental
- △ Sand and (or) gravel

Hydrocarbon occurrences

- Coal
- Sapropelic shale

Other prospects

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

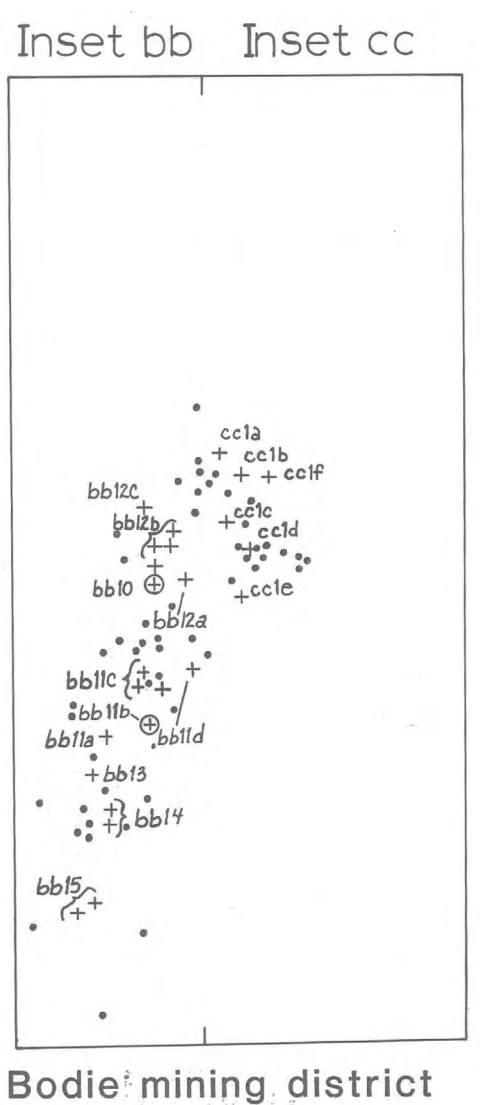
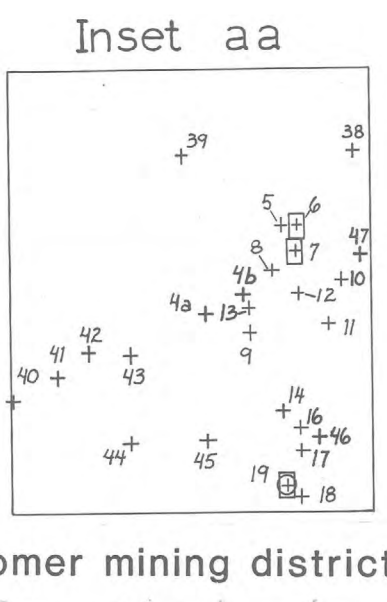
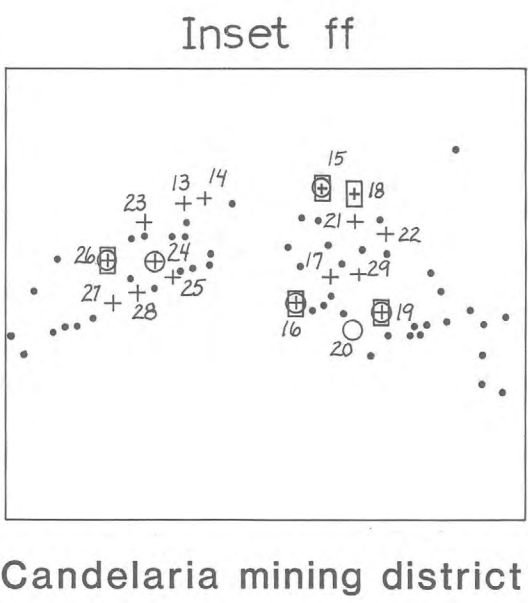
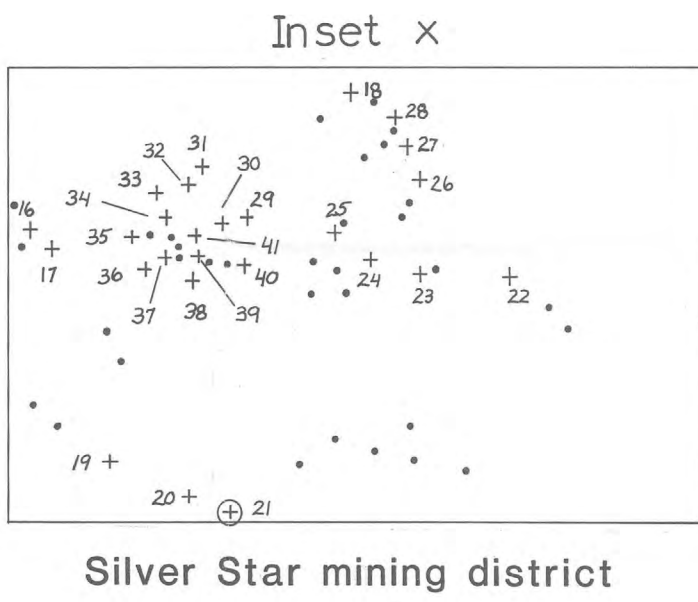
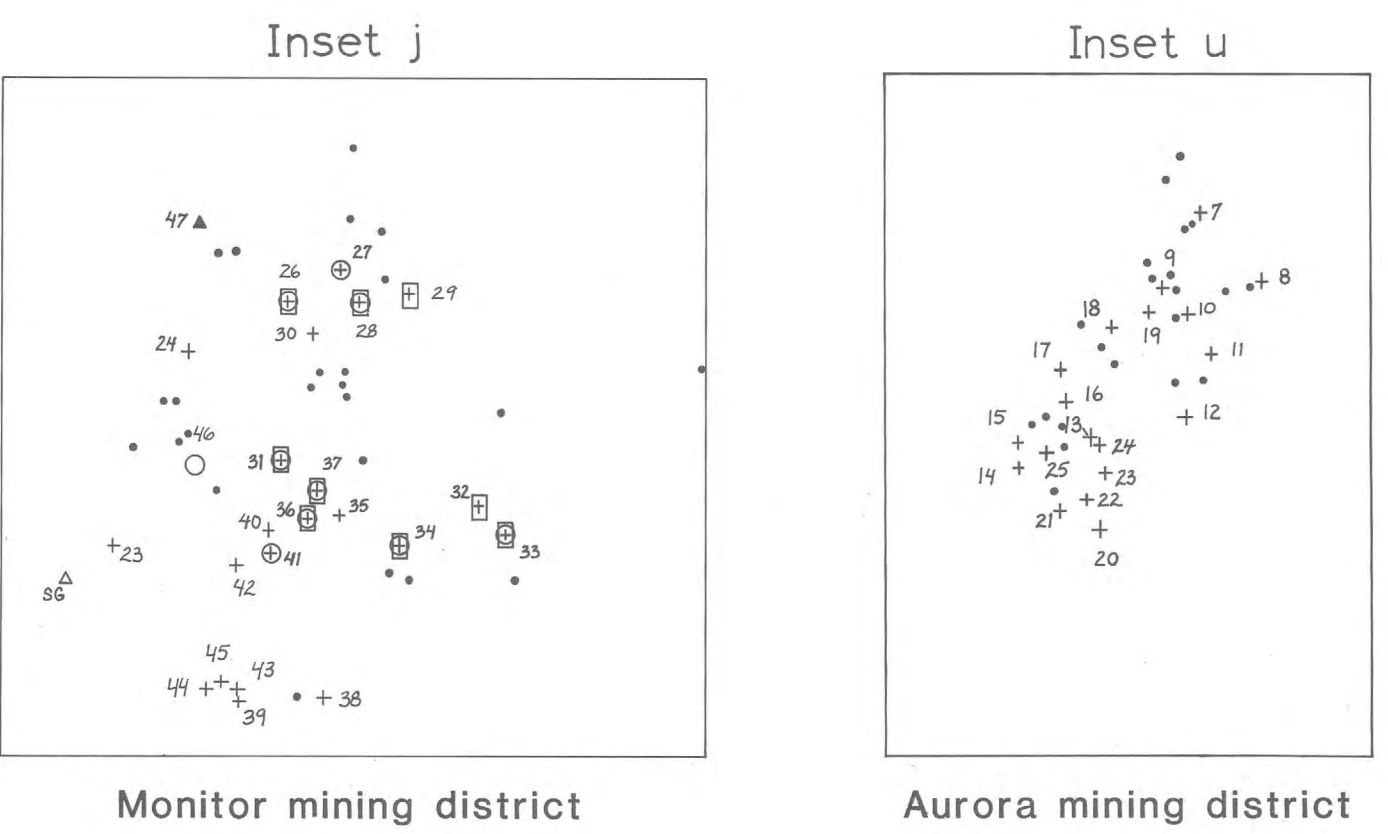
- Qa ALLUVIAL, LACUSTRINE, BOLIAN, LANDSLIDE, AND GLACIAL DEPOSITS—Locally includes uppermost Tertiary gravel.
- QTa BASALT—ranges in age from about 9 to less than 1 m.y.
- QTa ANDREITE TO RHYOLITE—Andesite flows and breccia. Minor rhyolite flows and shallow intrusive rocks. Ranges in age from about 5 to less than 1 m.y.
- Ta SEDIMENTARY ROCKS—Tuffaceous sandstone, siltstone, and conglomerate to gravel. Minor tuff and volcanic breccia. Ranges in age from about 12 to 2 m.y.
- Ta ANDREITE TO RHYOLITE—Andesite flows and breccia. Minor rhyolite flows and shallow intrusive rocks. Lentic to rhyolite ash-flow tuffs, and sedimentary rocks. Sparse basalt. Includes some intrusive rocks. Ranges in age from about 22 to 5 m.y.
- Tc TUFF—Welded and nonwelded rhyolite ash-flow tuff. Minor rhyolite flows and shallow intrusive rocks, andesite flows, and sedimentary rocks. Sparse basalt. Includes some intrusive rocks. Ranges in age from 30 to 12 m.y.
- Tm GRANITIC ROCKS—Granite to granodiorite. Minor dioritic, gabbroic, and felsitic intrusive rocks.
- Me VOLCANIC AND SEDIMENTARY ROCKS—Andesite to rhyolite lava flows, breccia, tuff, volcanic sandstone, and conglomerate; shallow marine siltstone, sandstone, conglomerate, and limestone; continental sandstone and conglomerate. Metamorphosed near granitic rocks.
- Tp SEDIMENTARY AND VOLCANIC ROCKS—Deep-water marine chert, phyllite, shale, carbonate rock, volcanogenic turbidite, sandstone, and conglomerate (Ordovician, Devonian, Pennsylvanian, and Permian); shallow water siltstone, sandstone, conglomerate, and carbonate rocks (Cambrian, Mississippian, and Permian); includes upper Proterozoic rocks at one locality; and andesitic breccia and lava (Permian). Metamorphosed near granitic rocks.

SYMBOLS

- CONTACT
- HIGH-ANGLE FAULT—Dotted where concealed
- THRUST OR LOW-ANGLE FAULT

REFERENCE

Stewart, J.H., Carlson, J.E., and Johannesen, D.C., 1982. Geologic map of the Walker Lake 1° by 2° quadrangle, California and Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-1382-A, Scale 1:250,000.



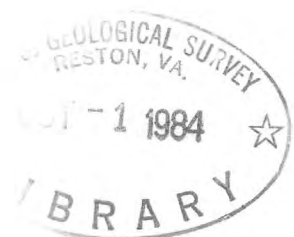
MINERAL OCCURRENCE MAP AND TABULATION OF PROPERTY NAMES AND COMMODITY
AND PRODUCTION DATA, WALKER LAKE 1° BY 2° QUADRANGLE,
CALIFORNIA-NEVADA

By

F. J. Kleinhampl, J. B. Fiebelkorn, D. A. John, and W. J. Moore

1984

Geology modified by J.H. Stewart from Stewart and others (1982)



SCALE 1:62,500
0 1 2 3 4 KILOMETERS

