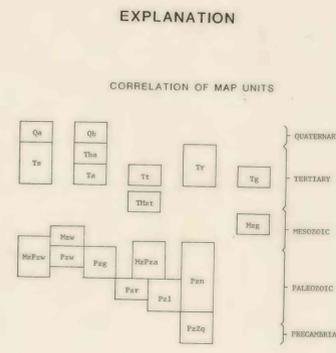
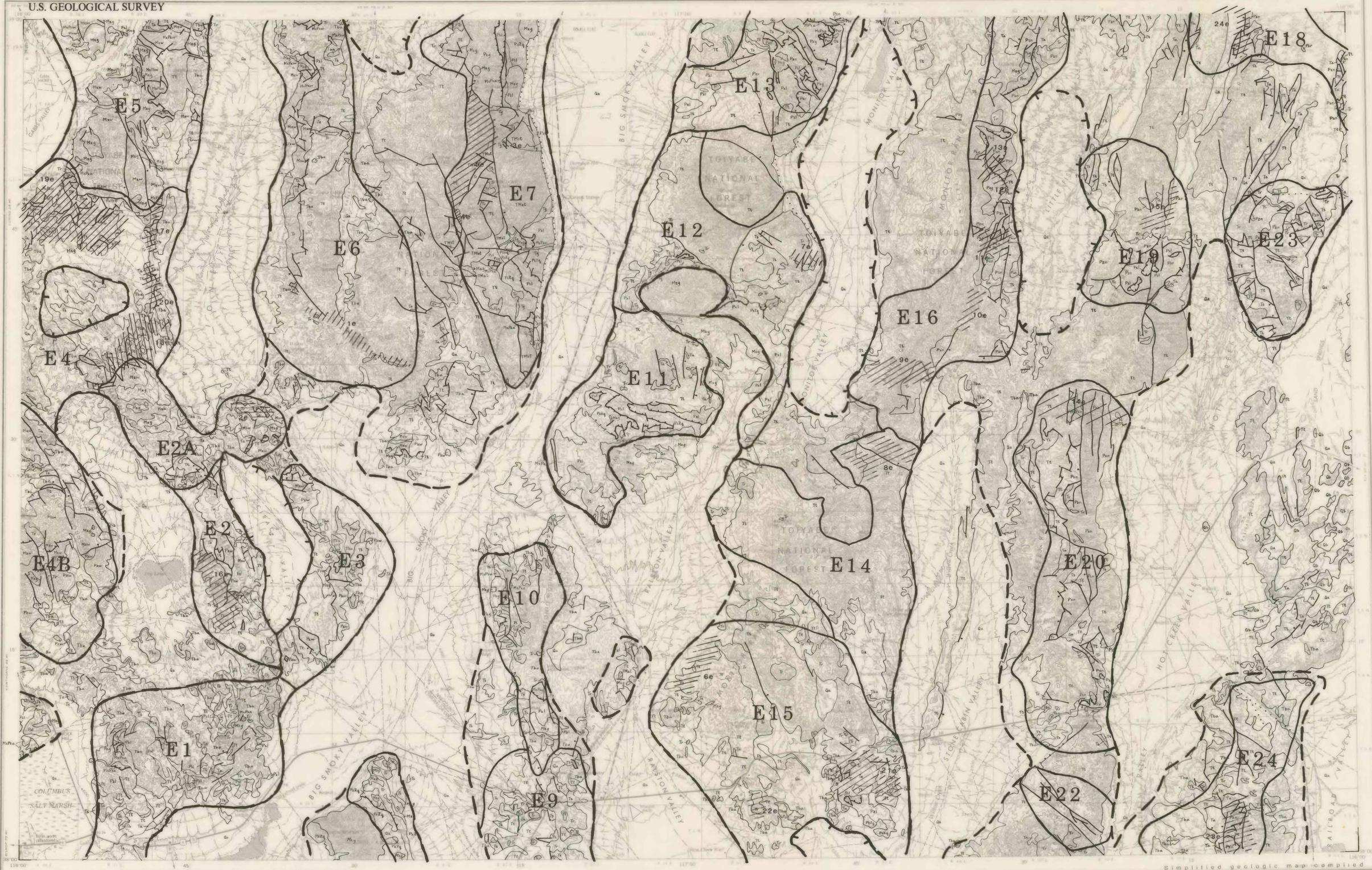


DEPARTMENT OF THE INTERIOR
 U.S. GEOLOGICAL SURVEY



DESCRIPTION OF MAP UNITS

Qa ALLUVIAL, LACUSTRINE, DELTAIC, AND LANDSLIDE DEPOSITS

Qb BASALT—Lava flows and cinders of the later Crater area

Qc BASALT AND ANDESITE—Flows, breccias, and shallow intrusions

Qd SEDIMENTARY ROCKS—Tuffaceous sandstone, siltstone, conglomerate, gravel, fresh-water limestone, and some tuff and diatomite. Includes the Siebert Formation

Qe RHYOLITIC ROCKS—Rhyolite to dacite flows and shallow intrusive rocks. Includes the Big Ten Peak Rhyolite

Qf INTERMEDIATE ROCKS—Andesite to latite flow, dikes, and shallow intrusions

Qg TUFF—Welded and non-welded ash-flow tuff

Qh GRANITIC ROCKS—Granite to granodiorite hypabyssal stocks, dikes and sills

Qi ASH-FLOW TUFF—Silicified and metamorphosed ash-flow tuff. Includes the some volcanoclastic rocks and the Derrough felsite

Qj GRANITIC ROCKS—Includes prophyritic granite, granodiorite, quartz monzonite, diorite, and minor gabbro. Includes the Bell stock and the Lone Mountain, Gibbs, Ellsworth, Frances Well, and Tibblin Creek plutons

Qk WALKER LAKE TERRANE

Ql CARBONATE-VOLCANIC CLASTIC ASSEMBLAGE—Upper Triassic and Lower Jurassic carbonate rocks, clastic and volcanoclastic rocks, and greenstone. Includes rocks of the Lunging and Dunlap Formations

Qm ANDESITIC GREENSTONE-VOLCANIC CLASTIC ASSEMBLAGE—Mesozoic and upper Paleozoic mafic volcanic rocks, volcanoclastic rocks, and minor andesite and chert

Qn VOLCANIC CLASTIC-CHERT ASSEMBLAGE—Permian volcanoclastic argillite, quartzite, and chert of the Mine Formation

Qo COLOMBIA ALLOCATION ROCKS

Qp CHERT-ARGILLITE ASSEMBLAGE—Mississippian to Permian chert, argillite, greenstone, and quartzite

Qq SEQUENCE WITHIN THE ANTELER OROGENIC BELT

Qr CONGLOMERATE-CARBONATE ASSEMBLAGE—Mainly Mississippian to Permian conglomerate, quartzite, limestone, and argillite that locally includes Triassic rocks

Qs ROBERTS MOUNTAINS ALLOCATION

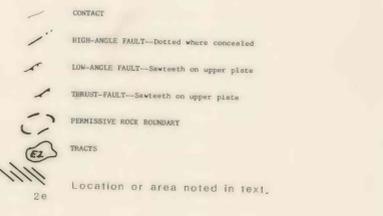
Qt ARGILLITE-CHERT ASSEMBLAGE—Ordovician to Devonian argillite, chert, greenstone, and quartzite

Qu LIMESTONE-QUARTZITE-ARGILLITE-CHERT ASSEMBLAGE—Cambrian to Devonian shelf and ocean basin deposits. Includes the Palmetto Formation

Qv NORTH AMERICAN TERRANE

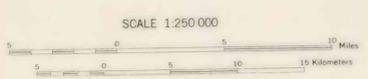
Qw CARBONATE ASSEMBLAGE—Cambrian to Devonian carbonate rocks, siltstone, and quartzite deposited on the continental shelf, and Mississippian to Permian carbonates and terrigenous detrital rocks deposited in a foreland basin east of the Antler orogenic belt

Qx QUARTZITE-SILTSTONE-CARBONATE ASSEMBLAGE—Precambrian 2 and Cambrian quartzite, siltstone, argillite, schist, limestone, and diatomite. Includes the Wyman Formation and Reed dolomite



AREAS IN THE TONOPAH 1° BY 2° QUADRANGLE, NEVADA WITH POTENTIAL FOR EPITHERMAL GOLD-SILVER VEIN, HOT-SPRING GOLD-SILVER, AND SEDIMENT-HOSTED DISSEMINATED GOLD-SILVER DEPOSITS.

by Greta J. Orris and Frank J. Kleinhampl
 1986



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