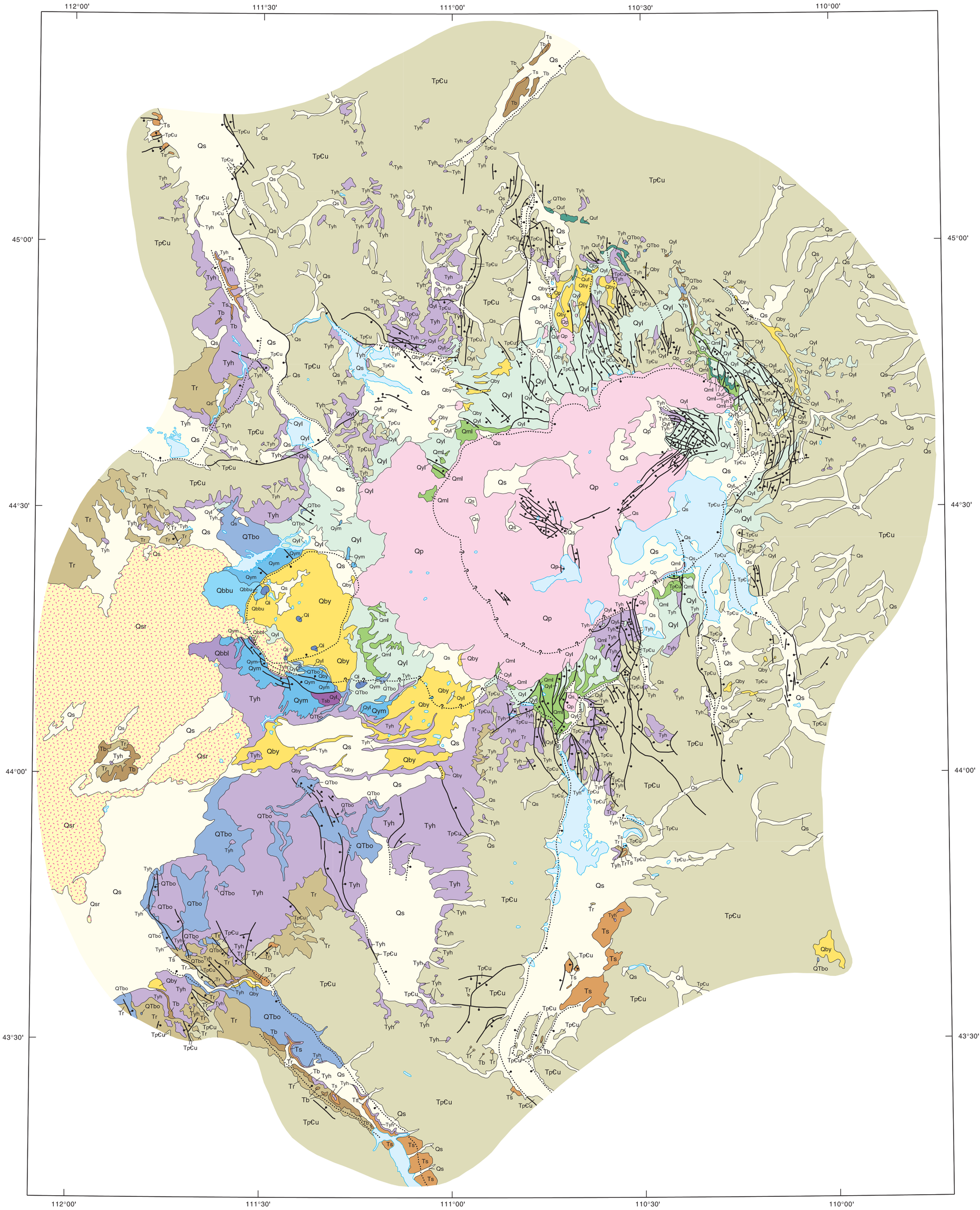
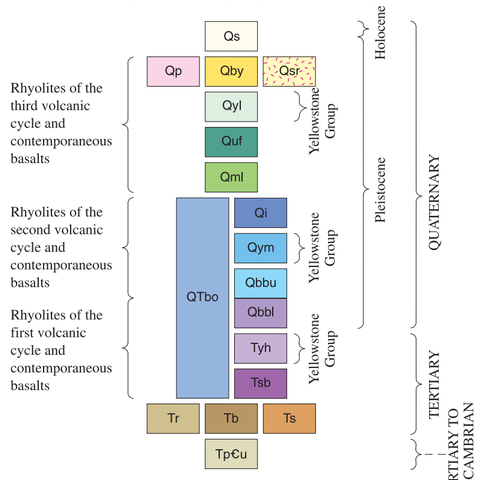
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PROFESSIONAL PAPER–729–G
PLATE 3 OF 3



CORRELATION OF MAP UNITS



LIST OF MAP UNITS

[See text for complete description of map units]

- Qs — **Surficial deposits (Holocene and Pleistocene)**
- Qp — **Plateau Rhyolite (Pleistocene)**
- Qby — **Post-Lava Creek Tuff plateau-marginal basalts (Pleistocene)**
- Qsr — **Basalts of the Snake River Group (Pleistocene)**
- Qyl — **Lava Creek Tuff (Pleistocene)**
- Quf — **Undine Falls Basalt (Pleistocene)**
- Qml — **Mount Jackson and Lewis Canyon Rhyolites (Pleistocene)**
- QTbo — **Basalts contemporaneous with first and second volcanic cycles (Pleistocene and Pliocene)**
- Qi — **Island Park Rhyolite (Pleistocene)**
- Qym — **Mesa Falls Tuff (Pleistocene)**
- Qbbu — **Big Bend Ridge Rhyolite, upper flows (Pleistocene)**
- Qbbl — **Big Bend Ridge Rhyolite, lower flows (Pleistocene)**
- Tyh — **Huckleberry Ridge Tuff (Pliocene)**
- Tsb — **Rhyolite of Snake River Butte (Pliocene)**
- Tr — **Rhyolites, including Conant Creek Tuff and tuff of Kilgore (Pliocene and Miocene)**
- Tb — **Basalts (Pliocene and Miocene)**
- Ts — **Sedimentary rocks (Pliocene and Miocene)**
- Tpcu — **Sedimentary, igneous, and metamorphic rocks (Lower Miocene to Precambrian)**

Contact

Fault—Dotted where concealed; queried where inferred. Bar and ball on down-thrown side

Base from U.S. Geological Survey, 1:500,000 state maps, Idaho, 1964; Montana, 1965; Wyoming, 1964

Lambert projection

Some shorelines shown on this base map may not coincide with map-unit boundaries, which were captured from scanned and vectorized linework

SCALE 1:500 000

10 0 10 20 30 40 MILES

10 0 10 20 30 40 50 KILOMETERS

CONTOUR INTERVAL 500 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

MAP LOCATION

Map compiled by R.L. Christiansen from plates 1 and 2, reconnaissance mapping by Christiansen, and the following additional sources: Bush (1968), Chadwick (1969; written commun., 1971), Fraser and others (1969), Hadley (1969a,b), Hall (1961), Jobin and Schroeder (1964a,b), Joibin and Soister (1964), Love (1956d, 1973), Love and Albee (1972), Love and others (1973), Pampeyan and others (1967), Prostka and Hackman (1974), Reed and others (1972), Ruppel (1972), Schroeder (1969, 1972), Staatz and Albee (1966), Stearns and others (1939), U.S. Geological Survey (1964, pl. 1), Wilson (1934), and Witkind (1969, 1972)

Edited by Julia Thomas; digital cartography by Richard Koch, with assistance from Susan Mayfield, Taryn A. Lindquist, and Kathy Nimz

UPPER CENOZOIC GEOLOGIC MAP, YELLOWSTONE PLATEAU VOLCANIC FIELD

By
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2001

Christiansen, R.L., 2001, Geology of Yellowstone National Park—The Quaternary and Pliocene Yellowstone Plateau Volcanic Field of Wyoming, Idaho, and Montana: U.S. Geological Survey Professional Paper 729–G