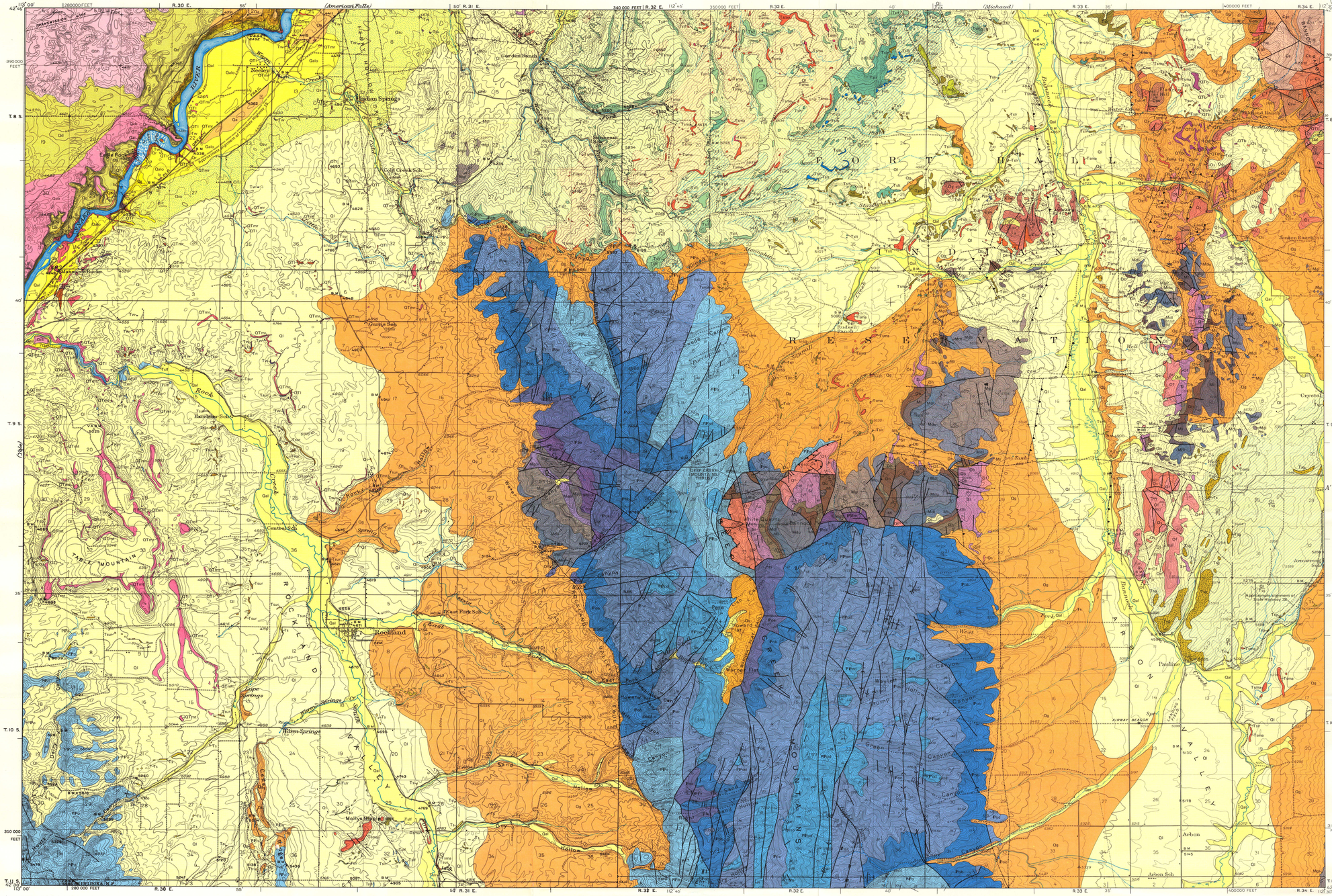
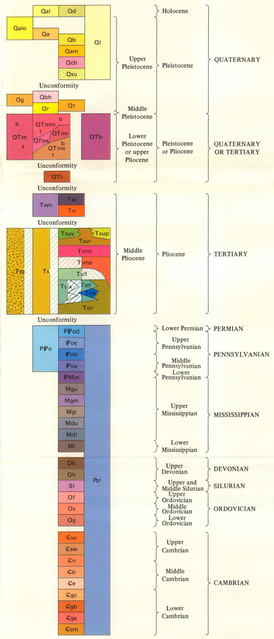
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1399
PLATE 1



CORRELATION OF MAP UNITS



LIST OF MAP UNITS

- Qal — YOUNGER ALLUVIUM (HOLOCENE)
- Qd — DUNE SAND (HOLOCENE)
- Qt — LOESS (HOLOCENE AND UPPER PLEISTOCENE)
- Qalo — OLDER ALLUVIUM (UPPER PLEISTOCENE)
- Qa — ABERDEEN TERRACE DEPOSITS (UPPER PLEISTOCENE)
- Qb — BOULDER BARS (UPPER PLEISTOCENE)
- Qam — AMERICAN FALLS LAKE BEDS (UPPER PLEISTOCENE)
- Qcb — CEDAR BUTTE BASALT (UPPER PLEISTOCENE)
- Qno — SUNBEAM FORMATION (UPPER PLEISTOCENE)
- Qbh — BIG HOLE BASALT (UPPER PLEISTOCENE)
- Qg — PEDIMENT GRAVEL (UPPER PLEISTOCENE)
- Qt — TRAVERTINE (UPPER PLEISTOCENE)
- Qr — RAFT FORMATION (UPPER OR MIDDLE PLEISTOCENE)
- MASSACRE VOLCANICS (LOWER PLEISTOCENE OR UPPER PLIOCENE)
  - QTm — Undifferentiated volcanics
  - b — Basalt
  - t — Tuff
  - QTmm — In the Massacre Rocks vent area
    - b — Basalt
    - t — Tuff
  - QTmt — In the Table Mountain area – Basalt
  - QTmr — From the east side of Rockland Valley – Basalt
  - QTme — From the Eagle Rock vent area
    - b — Basalt
    - t — Tuff
- QTb — BASALT (LOWER PLEISTOCENE OR UPPER PLIOCENE)
- QTt — LITTLE CREEK FORMATION (LOWER PLEISTOCENE OR UPPER PLIOCENE)
- WALCOTT TUFF AND NEELEY FORMATION (MIDDLE PLIOCENE)
  - Twn — Walcott Tuff
  - Tu — Neeley Formation
- Ts — STARLIGHT FORMATION (MIDDLE PLIOCENE) – Patterned where concealed by loess (Qt/Ts)
  - Tsg — Gravel and conglomerate–Patterned where concealed by loess (Qt/Tsg)
  - Upper member
    - Tsur — Vitrophyre
    - Tsup — Porphyry
    - Tsur — Rhyolitic tuff, pumiceous tuff, breccia, and marl
  - Middle member
    - Tsmt — Glassy welded tuff –
    - Tsmu — Tuff of Arbon Valley – Patterned where concealed by loess (Qt/Tsmu)
  - Lower member
    - Tsfs — Rhyolitic tuff – Minor amounts of brown tuff and marl
    - Tsf — Basalt flows – Patterned where concealed by loess (Qt/Tsf)
    - Tsfa — Basaltic breccia – Patterned where concealed by loess (Qt/Tsfa)
    - Tsb — Basaltic tuff – Patterned where concealed by loess (Qt/Tsb)
    - Tsbs — Porphyritic basalt – Interstratified in basaltic tuff
- PPo — OQUIRRH FORMATION (LOWER PERMIAN AND UPPER AND MIDDLE PENNSYLVANIAN)
  - PPod — Unit D (Lower Permian and Upper Pennsylvanian)
  - PPoc — Unit C (Upper Pennsylvanian)
  - PPob — Unit B (Upper and Middle Pennsylvanian)
  - PPoa — Unit A (Middle Pennsylvanian)
  - PPMn — MANNING CANYON SHALE (LOWER PENNSYLVANIAN AND UPPER MISSISSIPPIAN)
- GREAT BLUE LIMESTONE (UPPER MISSISSIPPIAN)
  - Mgu — Upper limestone member
  - Mgm — Middle shale member
  - Mgl — Lower limestone member
- DEEP CREEK FORMATION (UPPER MISSISSIPPIAN)
  - Mdu — Upper chert-banded member
  - Mdl — Lower siltstone member
- Ml — LODGEPOLE LIMESTONE (LOWER MISSISSIPPIAN)
- Db — BEIRDNEAU FORMATION (UPPER DEVONIAN)
- Dh — HYRUM DOLOMITE (UPPER DEVONIAN)
- Sl — LAKETOWN DOLOMITE (UPPER AND MIDDLE SILURIAN)
- Of — FISH HAVEN DOLOMITE (UPPER ORDOVICIAN)
- Os — SWAN PEAK QUARTZITE (MIDDLE ORDOVICIAN)
- Og — GARDEN CITY FORMATION (LOWER ORDOVICIAN)
- ST. CHARLES FORMATION (UPPER CAMBRIAN)
  - Ꞓsu — Upper member
  - Ꞓsw — Worm Creek Quartzite Member
- Ꞓn — NOUNAN DOLOMITE (UPPER AND MIDDLE CAMBRIAN)
- Ꞓh — BLOOMINGTON FORMATION (MIDDLE CAMBRIAN)
- Ꞓe — ELKHEAD LIMESTONE (MIDDLE CAMBRIAN)
- GIBSON JACK FORMATION (LOWER CAMBRIAN)
  - Ꞓgc — Member C
  - Ꞓgb — Member B
  - Ꞓga — Member A
- Pzr — PALEOZOIC ROCKS
- Ꞓcm — CAMELBACK MOUNTAIN QUARTZITE, UPPER PART (LOWER CAMBRIAN)

- CONTACT – Dotted where concealed; queried where inferred
- NORMAL FAULT – Dotted where concealed; queried where inferred. U, upthrown side
- TEAR FAULT – Dotted where concealed; queried where inferred. Arrow indicates direction of movement
- REVERSE FAULT – Dotted where concealed; queried where inferred
- THRUST FAULT – Dotted where concealed; queried where inferred. Sawteeth on upper plate
- ANTICLINE
- SYNCLINE
- MINOR FLEXURE – Showing trace of fault or fracture. Queried where inferred
- Upward
- Downward
- STRIKE AND DIP OF BEDS
- STRIKE AND DIP OF FLOW STRUCTURE
- GRAVEL PIT
- SHAFT
- AREA OF BRECCIATED AND (OR) DOLOMITIZED PALEOZOIC ROCK

Base from U.S. Geological Survey, 1:62,500
Rockland, 1934, and Arbon, 1938
10,000-foot grid based on Idaho coordinate system, east zone

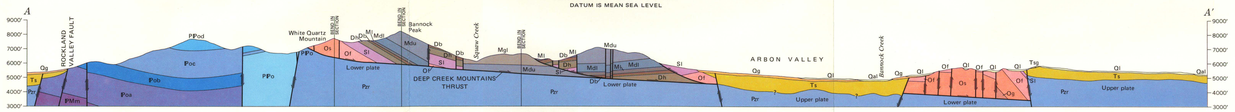
APPROXIMATE MEAN DECLINATION, 1976

SCALE 1:48 000

CONTOUR INTERVALS 10 AND 50 FEET
DATUM IS MEAN SEA LEVEL

Geology by W. J. Carr and D. E. Trimble, 1958-61

MAP LOCATION



GEOLOGIC MAP AND SECTION OF THE ROCKLAND AND ARBON QUADRANGLES, POWER COUNTY, IDAHO

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