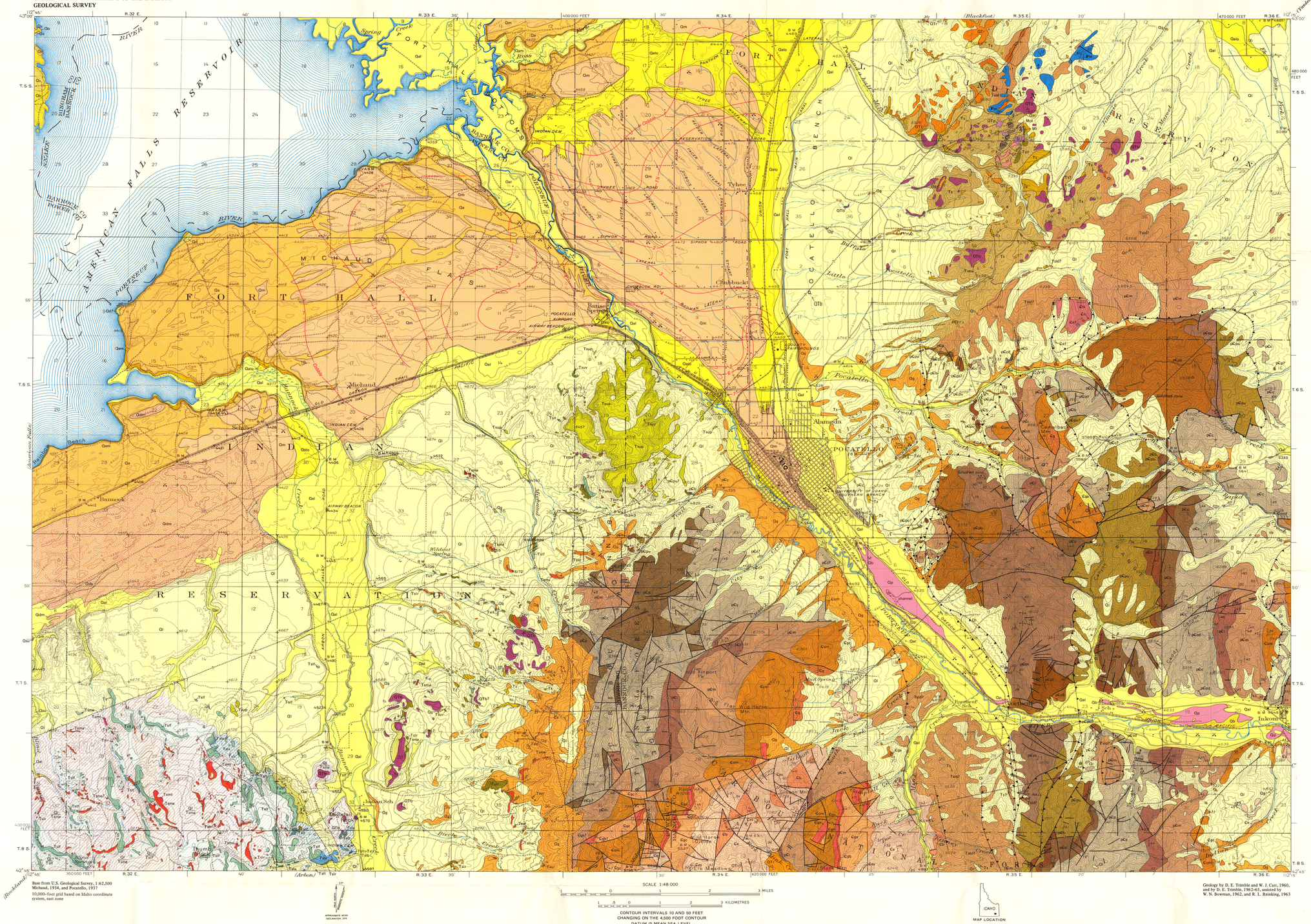
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1400
PLATE 1



Base from U.S. Geological Survey, 1:62,500
Michaud, 1934, and Pocatello, 1937
10,000-foot grid based on Idaho coordinate system, east zone

SCALE 1:48 000

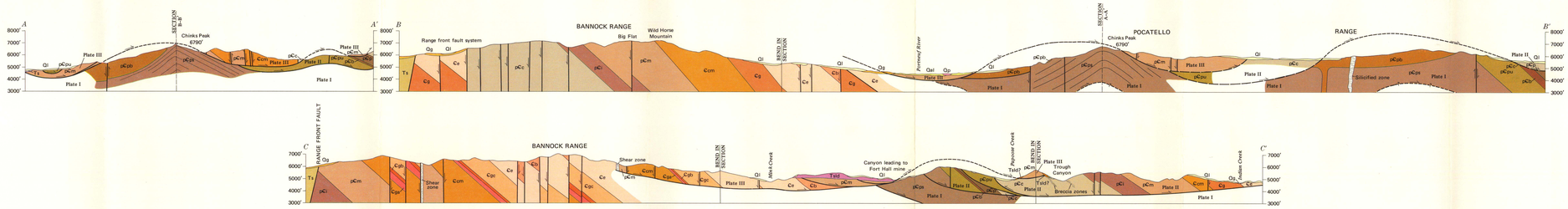
1 ½ 0 1 2 3 MILES
1 .5 0 1 2 3 KILOMETRES

CONTOUR INTERVALS 10 AND 50 FEET
CHANGING ON THE 4,500 FOOT CONTOUR
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1976

IDAHO
MAP LOCATION

Geology by D. E. Trimble and W. J. Carr, 1960, and by D. E. Trimble, 1962-65, assisted by W. N. Bowman, 1962, and R. L. Reinking, 1963



GEOLOGIC MAP AND SECTIONS OF THE MICHAUD AND POCATELLO QUADRANGLES, BINGHAM, POWER, AND BANNOCK COUNTIES, IDAHO

CORRELATION OF MAP UNITS

Holocene	Upper Pleistocene	QUATERNARY
Pleistocene		
Lower Pleistocene or upper Pliocene	Pleistocene or Pliocene	QUATERNARY OR TERTIARY
Unconformity		
Middle Pliocene	Pliocene	TERTIARY
Unconformity		
Upper Mississippian		PENNSYLVANIAN
Lower Mississippian		MISSISSIPPIAN
Upper Devonian		DEVONIAN
Upper and Middle Silurian		SILURIAN
Upper Ordovician		ORDOVICIAN
Upper Cambrian		CAMBRIAN
Middle Cambrian		
Lower Cambrian		
Lower Cambrian and upper Precambrian		CAMBRIAN AND PRECAMBRIAN
Upper Precambrian		PRECAMBRIAN

LIST OF MAP UNITS

- Qal — YOUNGER ALLUVIUM (HOLOCENE) – Locally includes talus deposits
- Qd — DUNE SAND (HOLOCENE)
- Qda — Reworked from Holocene alluvium
- Qdm — Reworked from Michaud Gravel
- Ql — LOESS (HOLOCENE AND UPPER PLEISTOCENE)
- Qalo — OLDER ALLUVIUM (UPPER PLEISTOCENE)
- Qs — STERLING TERRACE DEPOSITS (UPPER PLEISTOCENE)
- Qa — ABERDEEN TERRACE DEPOSITS (UPPER PLEISTOCENE)
- Qb — BOULDER BARS (UPPER PLEISTOCENE)
- Qm — MICHAUD GRAVEL (UPPER PLEISTOCENE)
- Qp — BASALT OF PORTNEUF VALLEY (UPPER PLEISTOCENE)
- Qam — AMERICAN FALLS LAKE BEDS (UPPER PLEISTOCENE)
- Qsu — SUNBEAM FORMATION (UPPER PLEISTOCENE)
- Qbh — BIG HOLE BASALT (UPPER PLEISTOCENE)
- Qt — TRAVERTINE (UPPER PLEISTOCENE)
- Qg — PEDIMENT GRAVEL (UPPER PLEISTOCENE)
- QTr — RHYOLITE (LOWER PLEISTOCENE OR UPPER PLIOCENE)
- QTp — ANDESITE PORPHYRY (LOWER PLEISTOCENE OR UPPER PLIOCENE)
- QTb — BASALT (LOWER PLEISTOCENE OR UPPER PLIOCENE)
- Ts — STARLIGHT FORMATION (MIDDLE PLIOCENE) – Lighter color where mostly concealed
  - Upper member
    - Tsup — Porphyritic trachyandesite
    - Tsuv — Vitrophyre
    - Tsur — Rhyolitic tuff and basalt
  - Middle member
    - Tsmt — Glassy welded tuff
    - Tsma — Tuff of Arbon Valley – Patterned where concealed by loess (Ql/Tsma)
  - Lower member
    - Tslr — Rhyolitic tuff
    - Tslf — Basalt flows – Patterned where concealed by loess (Ql/Tslf)
    - Tsls — Basaltic breccia – Patterned where concealed by loess (Ql/Tsls)
    - Tslf — Basaltic tuff – Patterned where concealed by loess (Ql/Tslf)
    - Tslb — Porphyritic basalt – Interstratified in basaltic tuff
    - Tsld — Sedimentary breccia (diamictite) – Lighter color where concealed
- Pw — WELLS FORMATION, LOWER PART (PENNSYLVANIAN)
- Mdl — DEEP CREEK FORMATION, LOWER MEMBER (UPPER MISSISSIPPIAN)
- Ml — LODGEPOLE LIMESTONE (LOWER MISSISSIPPIAN)
- Dh — HYRUM DOLOMITE (UPPER DEVONIAN)
- Sl — LAKETOWN DOLOMITE (UPPER AND MIDDLE SILURIAN)
- Of — FISH HAVEN DOLOMITE (UPPER ORDOVICIAN)
- €n — NOUNAN DOLOMITE (UPPER AND MIDDLE CAMBRIAN)
- €ls — LIMESTONE (MIDDLE CAMBRIAN) – Mostly float gravel
- €b — BLOOMINGTON FORMATION (MIDDLE CAMBRIAN)
- €e — ELKHEAD LIMESTONE (MIDDLE CAMBRIAN)
  - Shale – Mapped only where well exposed
- €g — GIBSON JACK FORMATION (LOWER CAMBRIAN)
  - €gc — Member C
  - €gb — Member B
  - €ga — Member A
- €cm — CAMELBACK MOUNTAIN QUARTZITE (LOWER CAMBRIAN AND UPPER PRECAMBRIAN)
- pCm — MUTUAL FORMATION (UPPER PRECAMBRIAN)
- pCi — INKOM FORMATION (UPPER PRECAMBRIAN)
- pCc — CADDY CANYON QUARTZITE (UPPER PRECAMBRIAN)
  - pCcd — Dolomite – Mapped only where well exposed
- pCp — PAPOOSE CREEK FORMATION (UPPER PRECAMBRIAN)
- pCb — BLACKROCK CANYON LIMESTONE (UPPER PRECAMBRIAN)
- pCpu — POCATELLO FORMATION (UPPER PRECAMBRIAN)
  - pCpu — Upper member
  - pCps — Scout Mountain Member
  - pCpb — Bannock Volcanic Member
  - pCpl — Lower member

- CONTACT – Dotted where concealed; queried where inferred
- NORMAL FAULT – Dotted where concealed; queried where inferred. U, upthrown side
- TEAR FAULT – Arrow indicates direction of movement
- THRUST FAULT – Dotted where concealed; queried where inferred. Sawteeth on upper plate
- ANTICLINE
- STRIKE AND DIP OF BEDS – Amount not shown where strike and dip directions are approximate
- GRAVEL PIT
- PROSPECT PIT OR QUARRY
- ABANDONED QUARRY
- ADIT
- AREA OR OUTCROP OF SHEARED, STRONGLY BRECCIATED, OR SILICIFIED ROCK
- 5 — CONTOUR ON MAXIMUM LENGTH OF BOULDERS IN THE MICHAUD GRAVEL (Qm) – In feet

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