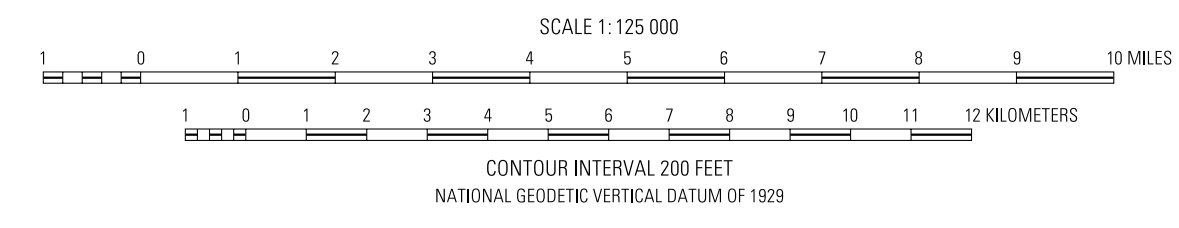
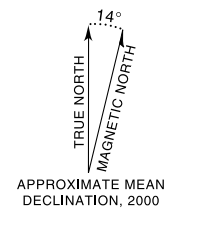


- LIST OF MAP UNITS**
[See text for complete description of map units]
- Surficial deposits (Holocene and Pleistocene)—Age ranges of individual units overlap**
- Qa Alluvium (Holocene and Pleistocene)
 - Qe Dune sand (Holocene)
 - Qd Glacial drift (Pleistocene)
- Plateau Rhyolite (Pleistocene)**
- Qpcy Central Plateau Member
 - Qpcs West Yellowstone flow (Pleistocene)
 - Qpcb Summit Lake flow (Pleistocene)
 - Qsr Buffalo Lake flow (Pleistocene)
- Basalts of the Snake River Group (Pleistocene)**
- Qge Gerrit Basalt (Pleistocene)
 - Qfr Falls River Basalt (Pleistocene)
- Lava Creek Tuff (Pleistocene)**
- Qylb Member B, Lava Creek Tuff (Pleistocene)
- Mount Jackson Rhyolite (Pleistocene)**
- Qmm Moose Creek Butte flow (Pleistocene)
- Basalts of Warm River and Shotgun Valley (Pleistocene)**
- Qws
- Island Park Rhyolite (Pleistocene)**
- Qis Silver Lake dome (Pleistocene)
 - Qio Osborne Butte dome (Pleistocene)
 - Qie Elk Butte dome (Pleistocene)
 - Qil Lookout Butte dome (Pleistocene)
 - Qiw Warm River Butte dome (Pleistocene)
- Mesa Falls Tuff (Pleistocene)**
- Qym
- Big Bend Ridge Rhyolite (Pleistocene)**
- Qbt Ash-flow tuff of Lyle Spring (Pleistocene)
 - Qbb Bishop Mountain flow (Pleistocene)
 - Qbg Green Canyon flow (Pleistocene)
 - Qbh Headquarters flow (Pleistocene)
 - Qbl Blue Creek flow (Pleistocene)
- Huckleberry Ridge Tuff (Pliocene)**
- Tyhb Member C, Huckleberry Ridge Tuff (Pliocene)
 - Tyhb Member B, Huckleberry Ridge Tuff (Pliocene)
 - Tyha Member A, Huckleberry Ridge Tuff (Pliocene)
- Rhyolite of Snake River Butte (Pliocene)**
- Trs
- Silt and sand (Pliocene)**
- Ts
- Conant Creek Tuff and tuff of Kilgore (Pliocene)**
- Tcc
- Rhyolite of Sheridan Reservoir (Pliocene)**
- Tr
- Sedimentary rocks (Pre-Tertiary)**
- pTr

Base from U.S. Geological Survey, 1:250,000, Ashton, Idaho-Mont.-Wyo., 1955 (limited revisions, 1967)
Universal Transverse Mercator projection
Some shorelines shown on this base map may not coincide with map-unit boundaries, which were captured from scanned and vectorized linework



Geology mapped by R.L. Christiansen, 1966-71, 1973-74
Edited by Julia Thomas; digital cartography by Richard Koch, with assistance from Susan Mayfield, Taryn A. Lindquist, and Kathy Nimz

- Contact
- Contact of Plateau Rhyolite flow—Hachures on side of younger unit
- Fault—Dotted where concealed. Bar and ball on downthrown side
- Alignment of fault segments, linear fractures, and volcanic vents
- * Volcanic vent
- Locality of analyzed sample—See table 4; samples 3, 22, and 31 located on this map

GEOLOGIC MAP OF THE ISLAND PARK AREA, YELLOWSTONE REGION

By
Robert L. Christiansen
2001