



EXPLANATION

- SEDIMENTARY ROCKS**
- Recent**
 - Qal Alluvium
 - Qw Hill wash and older alluvium
 - Pleistocene**
 - Ts1 Travertine
 - Ts2 Salt Lake formation
 - Pliocene(?)**
 - Ts3 Conglomerate, calcareous grit, sandstone, shale, and marl. Also includes some bedded volcanic ash and tuff and wind-blown dust of Pleistocene age
 - UNCONFORMITY**
 - Upper Cretaceous**
 - Wayan formation
 - Lower Cretaceous**
 - Becher conglomerate
 - Gray, reddish, salt-and-pepper sandstone and conglomerate
 - Gannett group**
 - Peterson limestone
 - Chiefly massive, dark, dense limestone, weathering white or grayish
 - Upper Jurassic**
 - Ephraim conglomerate
 - Red conglomerate, sandstone, and purplish limestone; chert-pebble conglomerate near base
 - UNCONFORMITY (?)**
 - Middle Jurassic**
 - Stump sandstone
 - Thin-bedded and massive greenish-gray sandstone, weathering into platy and blocky fragments
 - Lower Jurassic**
 - Preuss sandstone
 - Reddish-gray to deep-red sandstone, usually calcareous, locally shaly. Some greenish beds near top
 - Upper Triassic**
 - Twin Creek limestone
 - Chiefly whitish-weathering shaly limestone; some reddish beds near top; massive brownish-weathering beds near base
 - UNCONFORMITY (?)**
 - Lower Triassic**
 - Nugget sandstone
 - Tws Wood shale
 - Td Deadman limestone
 - Tg Higham grit
 - UNCONFORMITY**
 - Upper Triassic**
 - Timothy sandstone
 - UNCONFORMITY**
 - Lower Triassic**
 - Portneuf limestone
 - Chiefly massive, drab siliceous limestone but includes red-bed member
 - Thaynes group**
 - Fh Fort Hall formation
 - Yellowish-gray sandstone and shale
 - Ross Fork limestone**
 - Grayish and yellowish limestone, shale, and sandstone. *Meioceras* zone at base
 - Woodside Shale**
 - UNCONFORMITY**
 - Permian**
 - Phosphoria formation
 - Fp, Rex chert member at top Fp, Phosphate shale member
 - UNCONFORMITY**
 - Pennsylvanian**
 - Cw Wells formation
 - UNCONFORMITY**
 - Mississippian**
 - Cb Brazer limestone
 - Madison limestone

- IGNEOUS ROCKS**
- Olivine basalt
 - Chiefly Pleistocene but includes some Pliocene or older rocks; ba, basaltic ash
 - Rhyolitic rocks
 - Chiefly welded tuffs of Pleistocene age but includes some flow or intrusion rocks of Pliocene age or older; ra, associated ash
 - Andesitic breccia and tuff
 - Includes small flows or intrusions of andesite and basalt

- Contact, showing dip
- Dashed where approximately located
- Fault
- Dashed where approximately located, dotted where concealed
- Probable fault
- Thrust fault
- T, upper plate
- Anticline
- Dashed where approximately located, dotted where concealed
- Syncline
- Dashed where approximately located, dotted where concealed
- Overturned anticline
- Dashed where approximately located, dotted where concealed
- Overturned syncline
- Dashed where approximately located, dotted where concealed
- Strike and dip of beds
- Strike and dip of overturned beds
- Strike of vertical beds
- Horizontal beds
- Mine
- Prospect
- Line of profile shown on figure 2

Base from U. S. Geological Survey maps of Ammon and Paradise Valley quadrangles

Geology by G. R. Mansfield, W. B. Lang, and J. W. Merritt
Surveyed in 1913, 1923, and 1925

GEOLOGIC MAP OF AMMON AND PARADISE VALLEY QUADRANGLES, IDAHO

