

Craters of the Moon

Hells Half Acre

Blackfoot

American Falls Reservoir

Pocatello

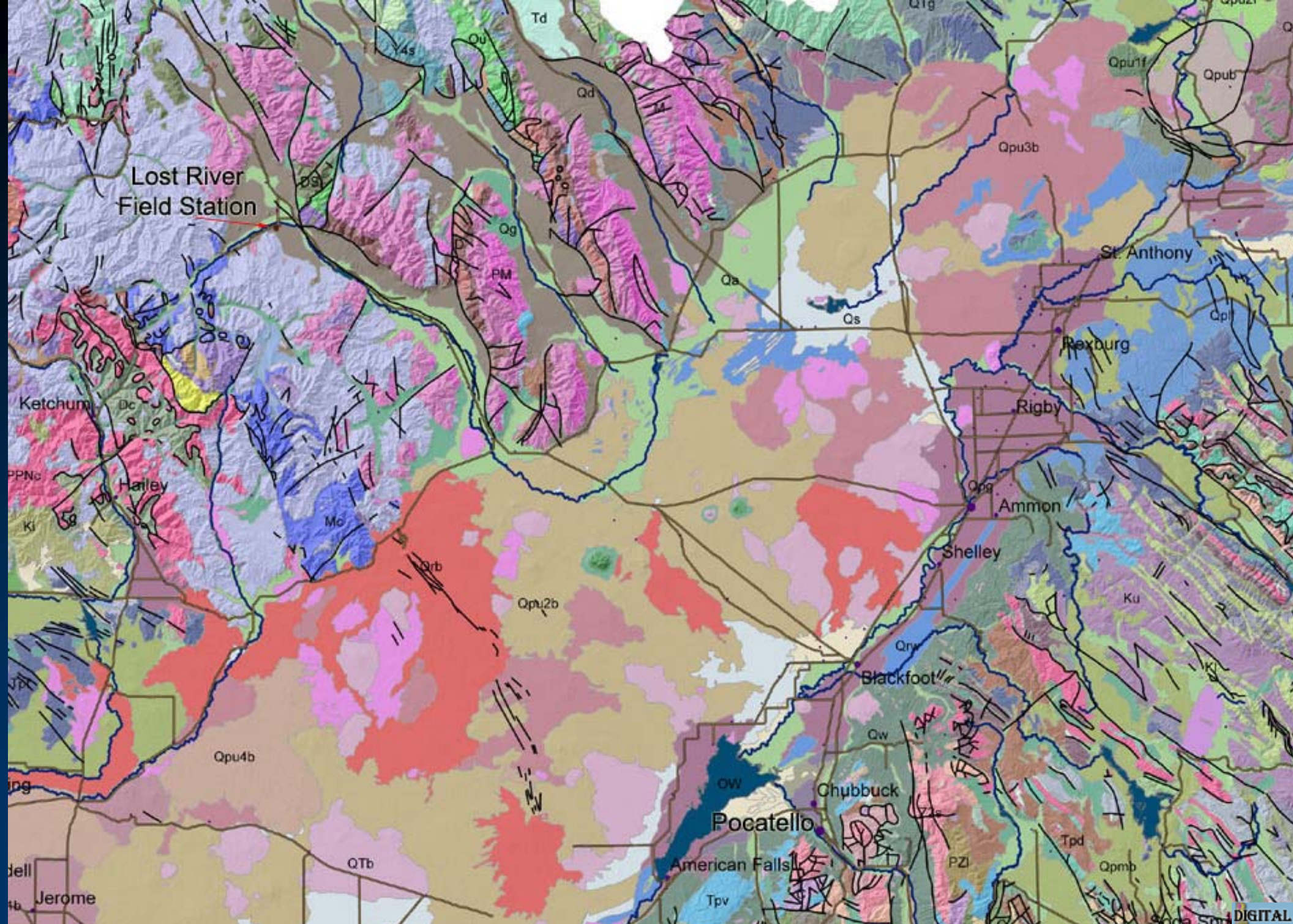
Wapi

Lake Walcott

**Satellite image of eastern Snake River Plain, Thrust Belt and Basin and Range.**

**The Snake River flows from northeast to southwest across map.**





Geologic Map of the same area as first slide.





View of the Portneuf Range from east. Mt. Bonneville is large, flat mountain. Snow Peak is to the south. View includes Pebble Creek ski area.





View north to Old Tom Mountain from Downey east quad. Valley in mid-ground is Marsh Valley.





West front of the Bannock Range and City of Pocatello looking south.





Scout Mountain Member, Pocatello Fm. Diamictite, matrix supported. Clasts show some imbrication. Five Mile Canyon, west of Dayton.





Striated cobble of quartzite from Scout Mountain member, Pocatello Formation, Portneuf Narrows, east of Pocatello Idaho.





Clast of plagioclase porphyritic basalt, likely from Bannock Volcanic Member, in diamictite of Scout Mountain Member, Pocatello Fm., Portneuf Gap.





Graded beds of volcaniclastic sediment, Scout Mountain member, Pocatello Fm.,  
Oxford Mountain, near Clifton Idaho.





Nick Christie Blick and Marge Levy with huge clast in Mineral Fork Formation, Mineral Fork of Big Cottonwood Canyon, Utah. Stone may be a dropstone.





Dropstone in Mineral Fork Formation, Little Cottonwood Canyon, Utah.





Pillow lava with interpillow glassy fragmental breccia. Formation of Perry Canyon, west of Ogden Utah.





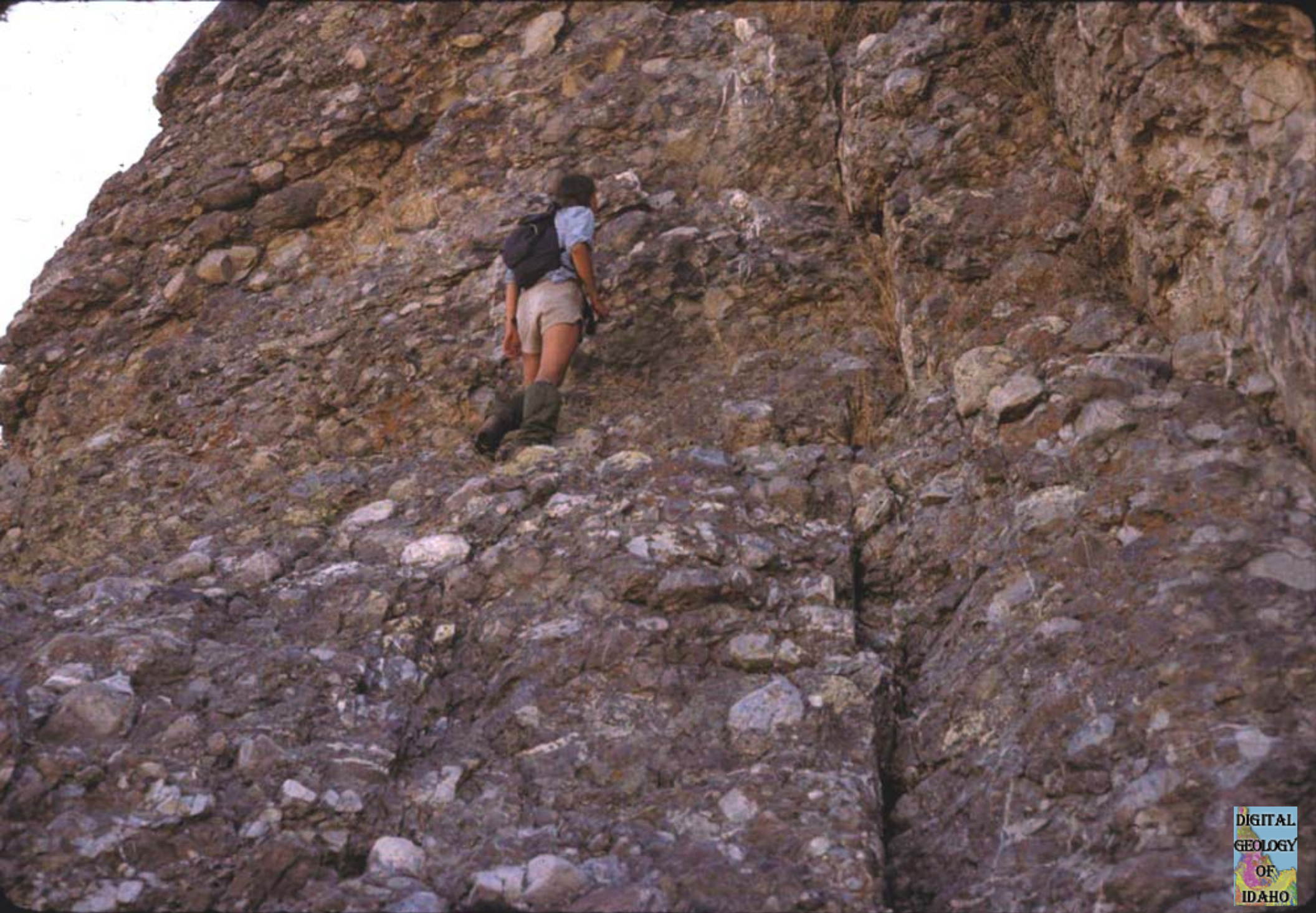
Conglomerate surrounded by laminated mudstone, Mineral Fork Formation.  
Deposit of subglacial stream.





North end of Portneuf Range and North Putnam Mountain. Oregon Trail followed the canyon west to the site of Fort Hall.





Cobble conglomerate in Scout Mountain Member Pocatello Formation, south of Portneuf Gap.





View to east of northern Portneuf Range from Marsh Valley, Idaho. Middle Peak is Snow Peak, northern peak is Mt. Bonneville. Strata span the Neoproterozoic to Cambrian boundary and consist of Brigham Group sandstones and shale's. The cliff is in Camelback Mountain quartzite with the swale above in Gibson Jack Formation.





Haystack Mountain. Robbers Roost Creek. View northeast from Marsh Valley.





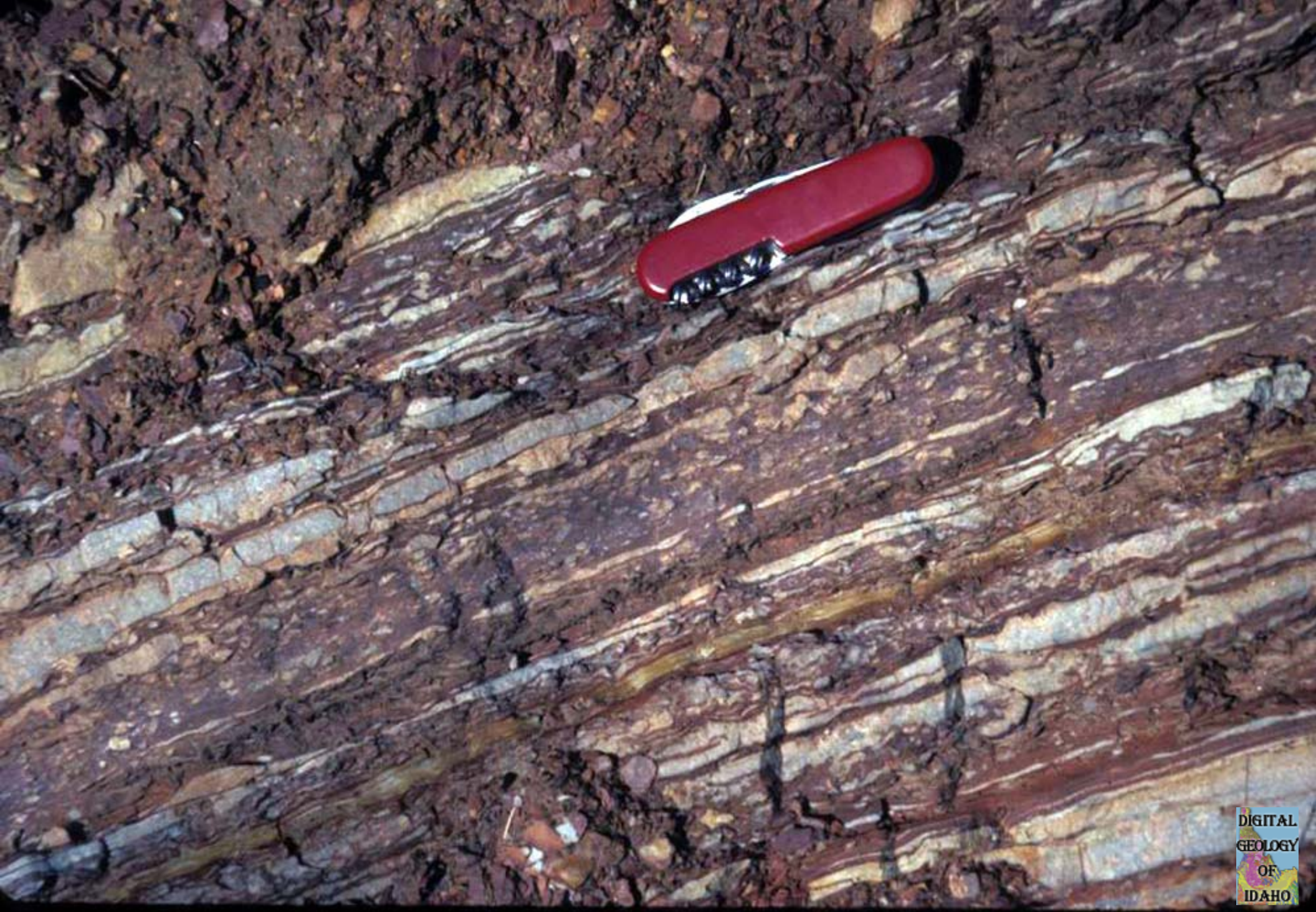
Kelley Canyon Formation, laminated siltstones. May be post Sturtian glacial. Correlative to upper Pocatello Formation. North of Huntsville northern Utah.





Pebbly sandstone of Mutual Formation, Brigham Group, Sherman Peak, Bear River Range.





Papoose Creek Formation, Brigham Group, north of Huntsville, Utah





Inkom Fm., red siltstone and argillite





Trace fossils. Windy Pass Argillite.





Gros Ventre landslide, view to south from site of buried campground, Gros Ventre River, Wyoming, east of Jackson Hole.





Logan Canyon. Chinese Wall. Mississippian Mission Canyon limestone.





Z fold in Mississippian Limestone in Weber River Canyon east of Ogden and below Huntsville. Fold is below the Willard thrust. Indicates top to east deformation.

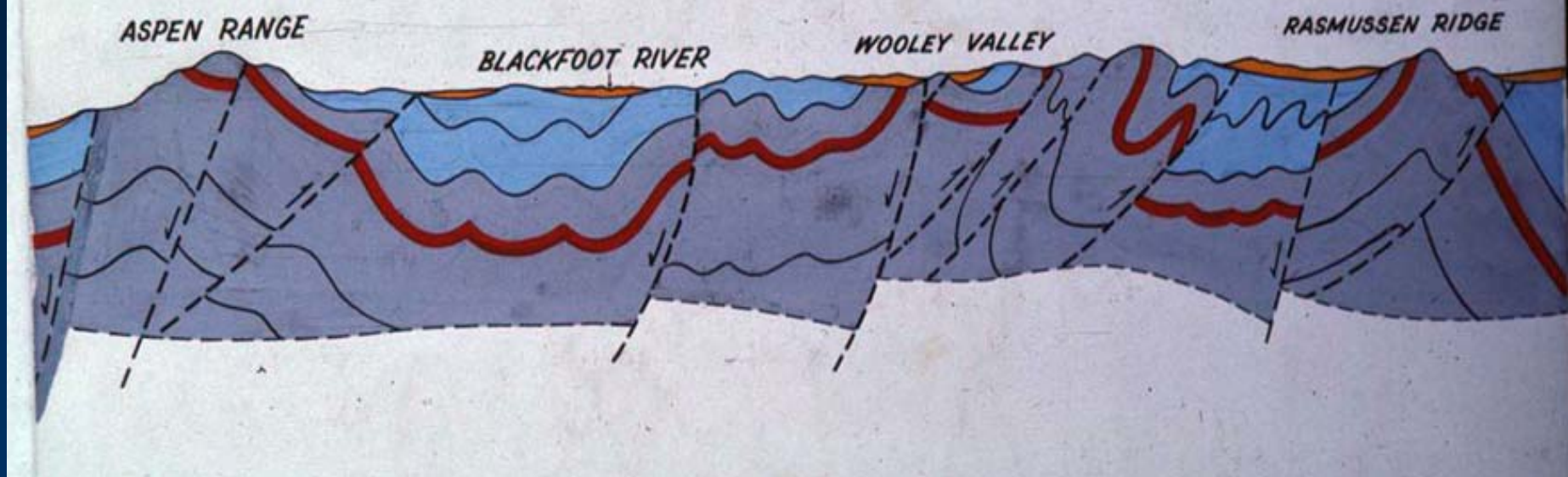




View from top of Targhee ski area. Cratonal succession of upper Paleozoic strata.



# GENERALIZED CROSS SECTION



Monsanto cross section of the Phosphoria Formation.





Dry Valley phosphate open pit mine





A pit of the Gay Mine, Simplot Co, now closed.





Red Triassic Chugwater Formation Mudstones, Gros Ventre River, Wyoming.





Folds in Jurassic Twin Creek Formation west of Geneva Idaho. Anticline-syncline pair.





Anticline in Grey's River east of Alpine Wyoming.





Ripple marks in Jurassic Twin Creek limestone, Hwy 89 east of Montpelier





Mudslides in Cretaceous shales, Tincup Creek road, east of Grays Lake, Idaho





View looking east of the Huckelberry Ridge tuff and west side of Teton Range from Teton Valley and the Teton River.





Cretaceous Harebell Conglomerate, Togwotee Pass east of Jackson Hole, Wyoming





Quartzite clasts in Cretaceous Harebell Conglomerate. Note percussion marks on right clast and cementation dimples in left clast where it was touching a neighbor.