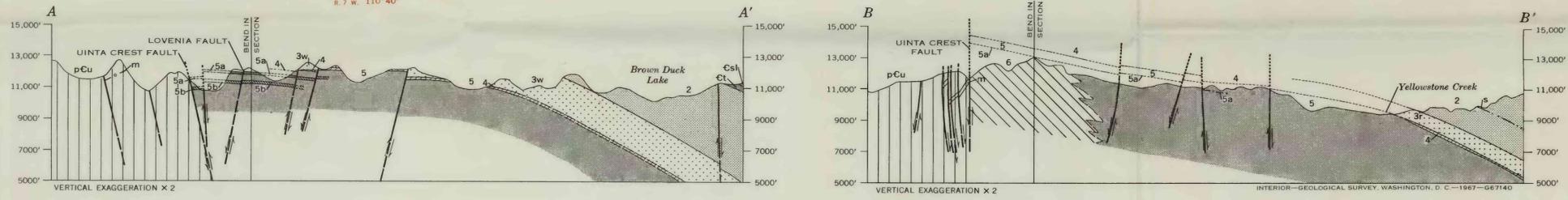


EXPLANATION

- Mafic dikes  
Dark-greenish-gray, black-weathering mafic dikes, 6 to 40 feet wide, exposed in two areas southwest and east of Gilbert Peak
- Mississippian rocks undivided  
Includes Madison Limestone and equivalents of Desert, Hungry, and Doughnut Formations
- Cambrian shale and limestone  
Includes probable equivalents of Ophir and Maxfield Formations
- Tintic quartzite  
Pale-buff coarse-grained quartzite containing abundant well-rounded frosted grains of quartz 1/4 to 1/2 inch in diameter
- Unit 1  
The Red Pine Shale of Williams (1953). Brown, gray, or olive-drab fissile shale intercalated with thin beds of rusty-weathering quartzite
- Units 2 and 3  
Unit 2, massive beds of grayish-red, brick-red, or maroon coarse-grained to pebbly quartzite. Locally contains red or olive siltites or shales (s).  
Unit 3, quartzite and sandstone. Grades into unit 2 east of Swift Creek. Includes two subunits;  
Subunit 3w, white to pale-gray or pale-buff quartzite. Best developed near center of area, but grades laterally into subunit 3r in eastern and southwestern parts of area  
Subunit 3r, grayish-red or brick-red quartzite and sandstone 2-3, undivided units 2 and 3
- Unit 4  
Thin layer of olive-drab siltstone or thin-bedded micaceous quartzite. Where this is absent, contact drawn at top of massive purple or grayish-red quartzites
- Units 5 and 6  
Unit 5, massive grayish-red, maroon, or brick-red quartzite; grades into brick-red coarse-grained sandstone in eastern and northern parts of area. Subunits 5a, 5b, and 5c separated locally  
Subunit 5a, shale and thin-bedded quartzite exposed near Dead Horse Pass and eastward only. Lower half is dark olive drab; upper half is grayish red with thin pale bluish-green layers  
Subunit 5b, shale and thin-bedded quartzite, mainly grayish red to brick red. Thickens to north and east, tenses out about a mile south of Dead Horse Pass  
Subunit 5c, shale and siltstone, mainly dark brownish gray to greenish gray. Intercalated with 6-inch to 2-foot beds of greenish-gray sandstone. Unit mapped in west half of area only  
Unit 6, poorly sorted, brick-red pebbly arkose beds 1 to 30 feet thick, with interbedded dark-red sandy arkosic shales 1 to 30 feet thick
- Uinta Mountain Group undivided  
Pale-gray, buff, grayish-red, or locally brick-red quartzites intercalated with grayish-red to olive-drab argillites and thin-bedded quartzites. Includes all rocks north of Uinta Crest fault. Suspected to represent equivalents of units 2 to 4 south of the fault m, marker beds mapped locally. Does not represent some horizon throughout

Base from U.S. Geological Survey topographic maps, 1901 and 1905

Geology by M. D. Crittenden, Jr., and C. A. Wallace, 1965 and 1966



RECONNAISSANCE GEOLOGIC MAP OF THE HIGH UINTAS PRIMITIVE AREA, UTAH

