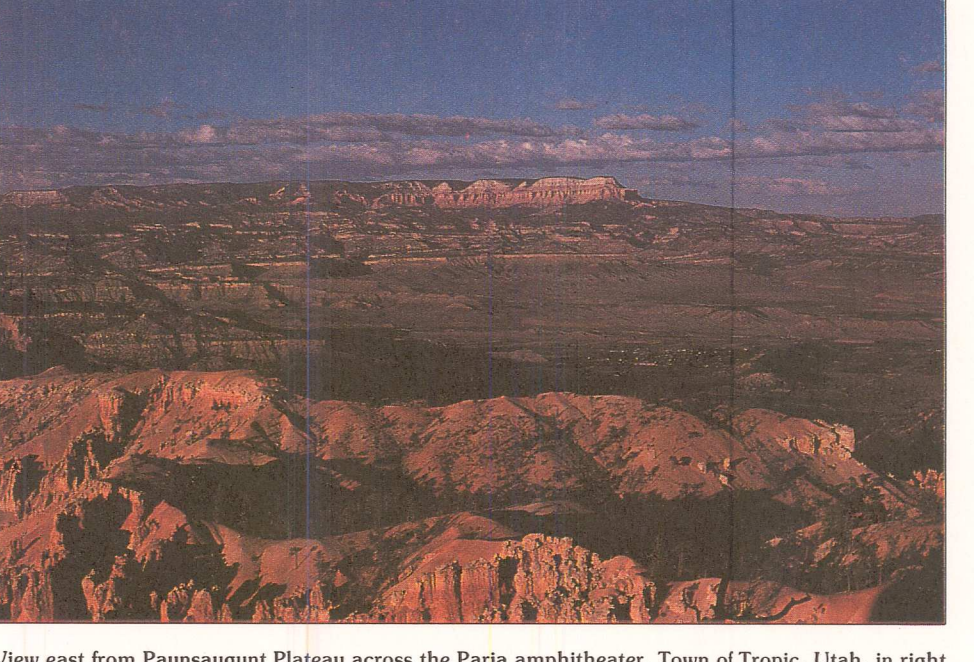
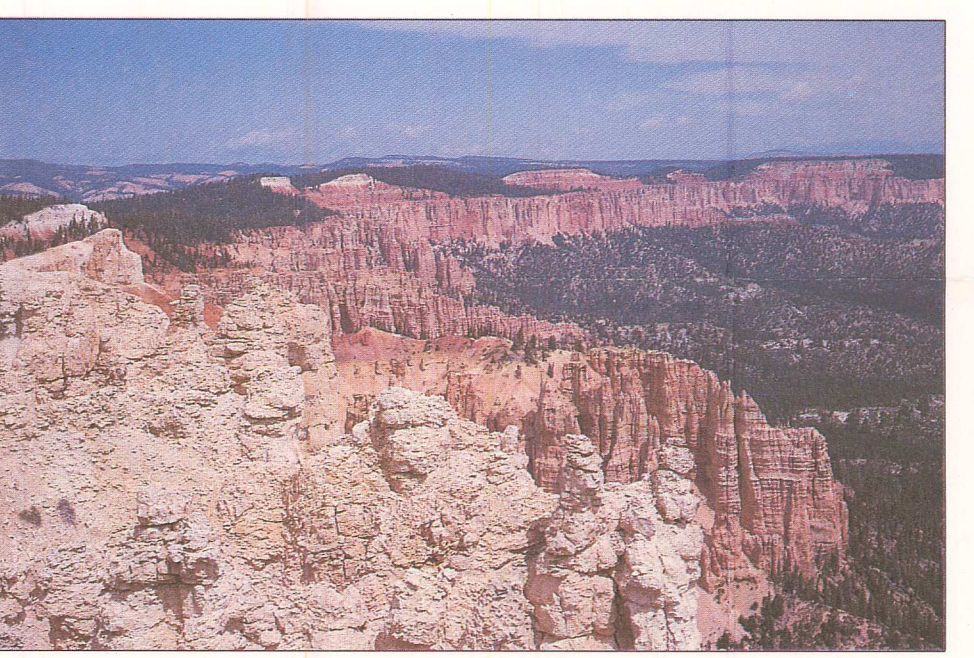


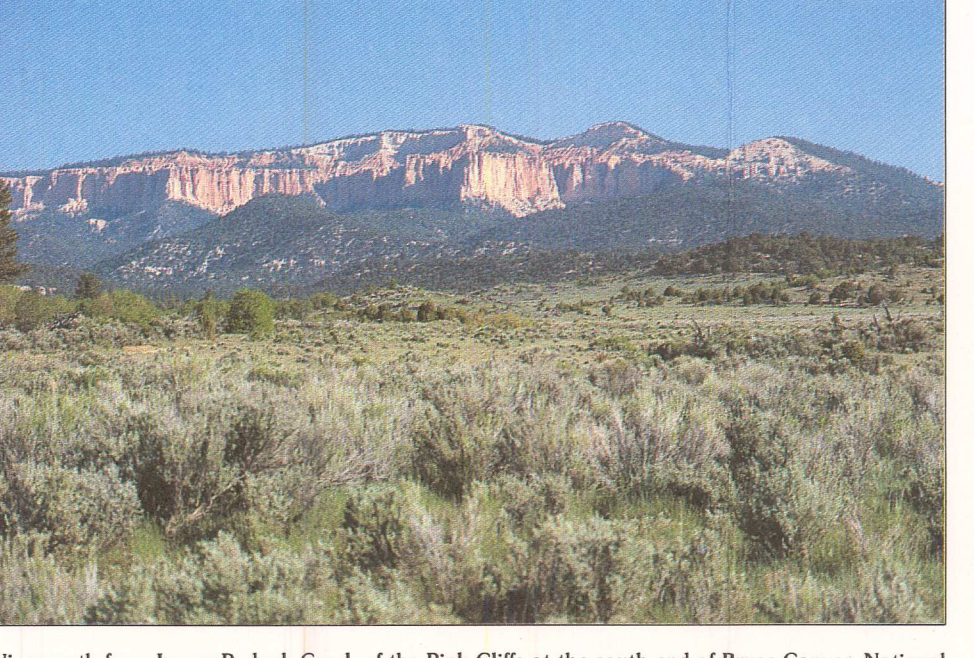
View north across Tropic Canyon of Ruby in three beds. Continuous white limestone ledge above highway road cut marks base of three in pink limestone member of the Claron Formation.



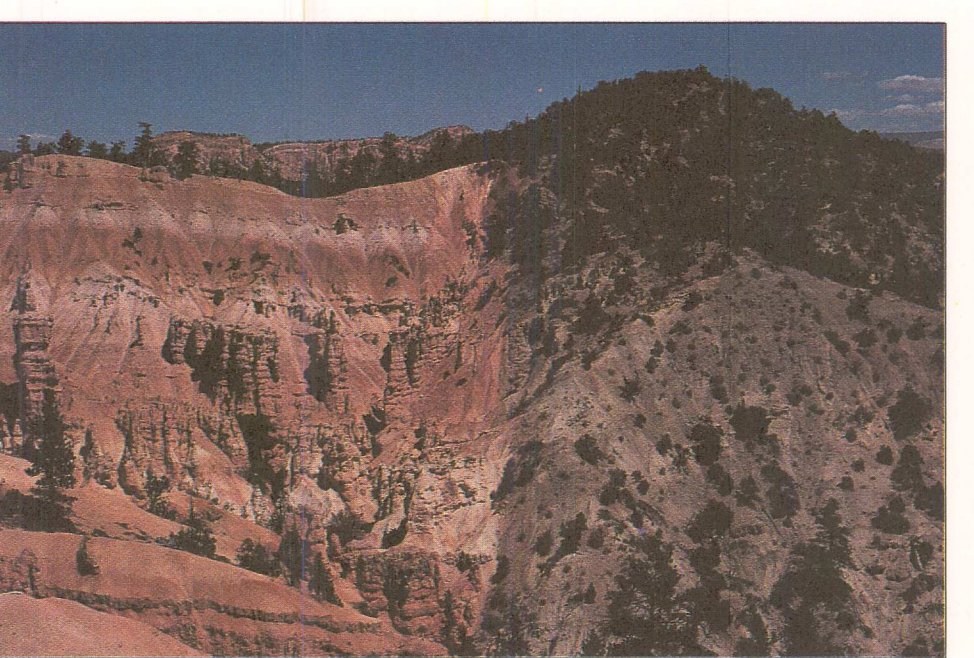
View east from Passanger Plateau across the Park amphitheater. Town of Tropic, Utah, is right center. Table Cliff Plateau on the horizon.



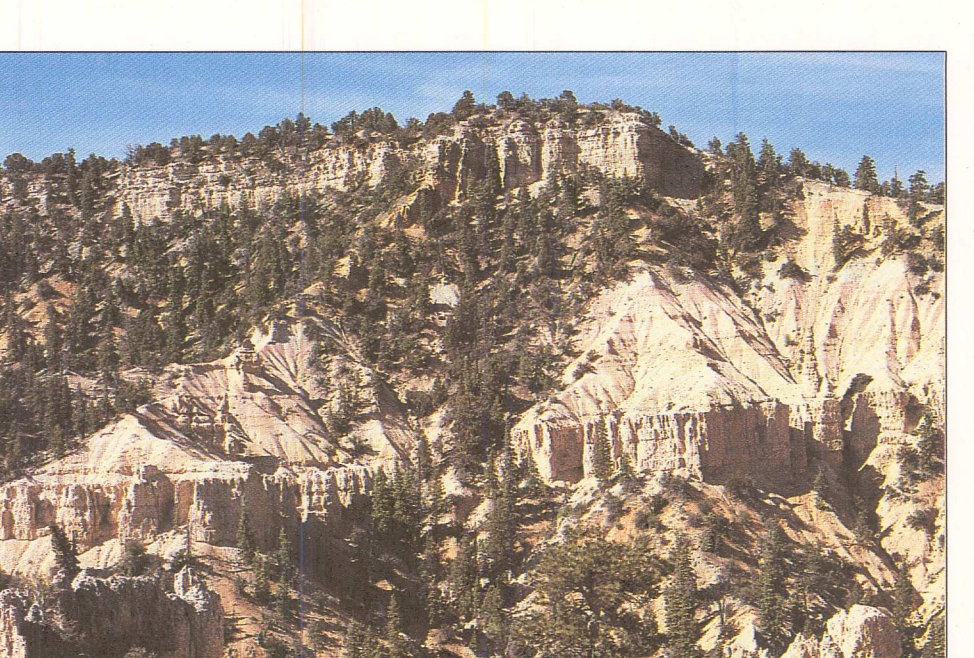
View northeast from Rainbow Point showing east face of Passanger Plateau. White limestone member of the Claron Formation in foreground also opens toward basin and covers same vertical strike of pink limestone member of the Claron Formation.



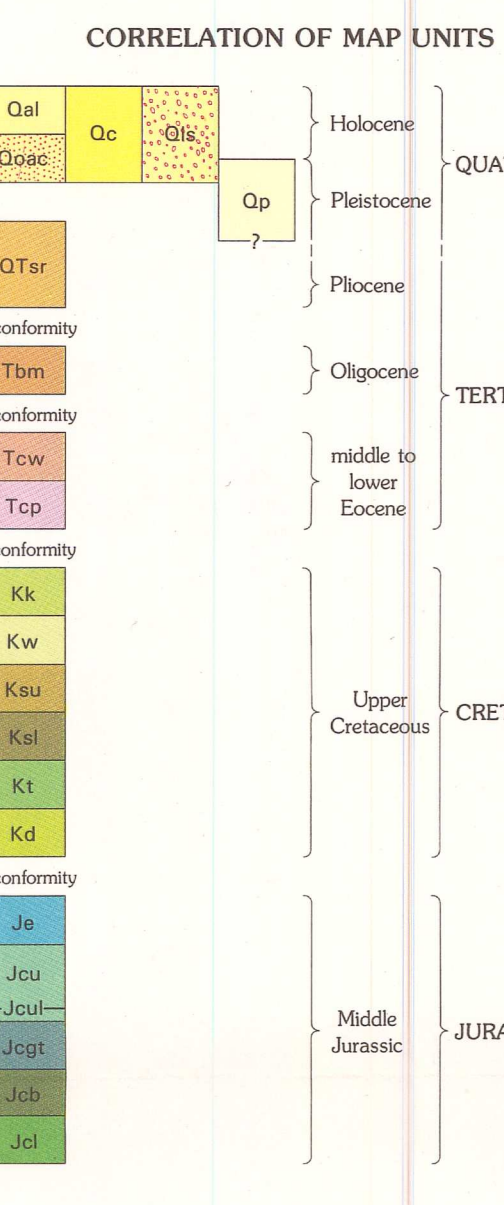
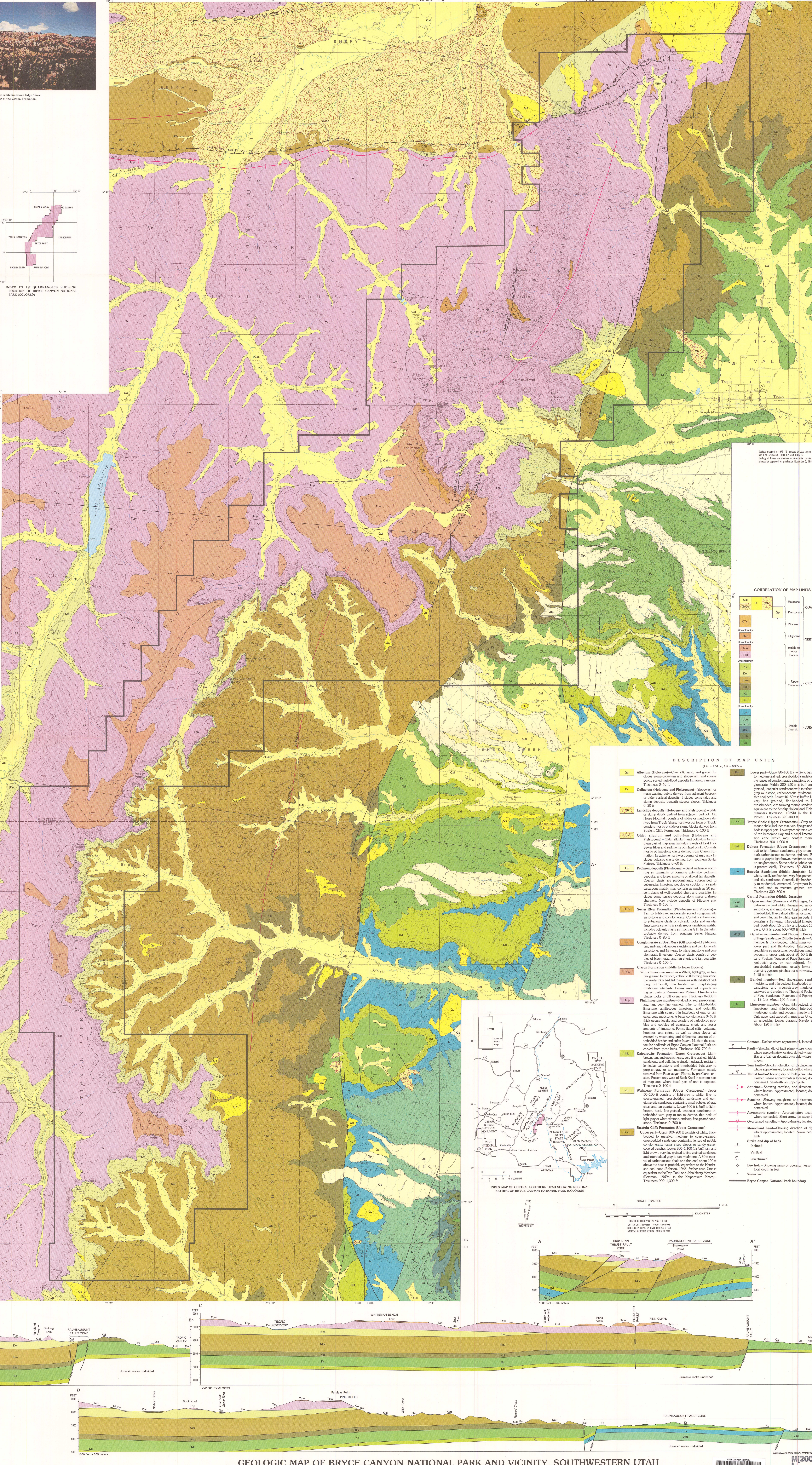
View north from Lower Pothole Creek of the Peak Cliffs at the south end of Bryce Canyon National Park. Cap of white limestone member of the Claron Formation at Victoria Peak lies on the edge of pink limestone member of the Claron Formation. Pink-colored Upper Centennial member lies on lower vertical ridge below the Peak Cliffs.



View north along strike of Passanger fault just north of Campbell Creek. Beds of pink limestone member of the Claron Formation in foreground also open toward basin and covers same vertical strike of pink limestone member of the Claron Formation. Vertical displacement in fault is about 1,200 ft.



View north of Bear Mesa along strike of near-vertical Fairview fault. Note effect of lower white limestone ledge of Claron Formation in foreground also opens toward basin and covers same vertical strike of pink limestone member of the Claron Formation. Fault does not cut light-colored conglomeratic beds that cap the mesa.



**DESCRIPTION OF MAP UNITS**

Scale: 1:24,000 (1" = 0.30 mi)

**Quaternary**

- Qa Alluvium (Holocene)—Clay, silt, sand, and gravel. Includes some colluvium and deposits of poorly sorted fine sand deposits in narrow canyons. Thickness 0-2 ft.

**Tertiary**

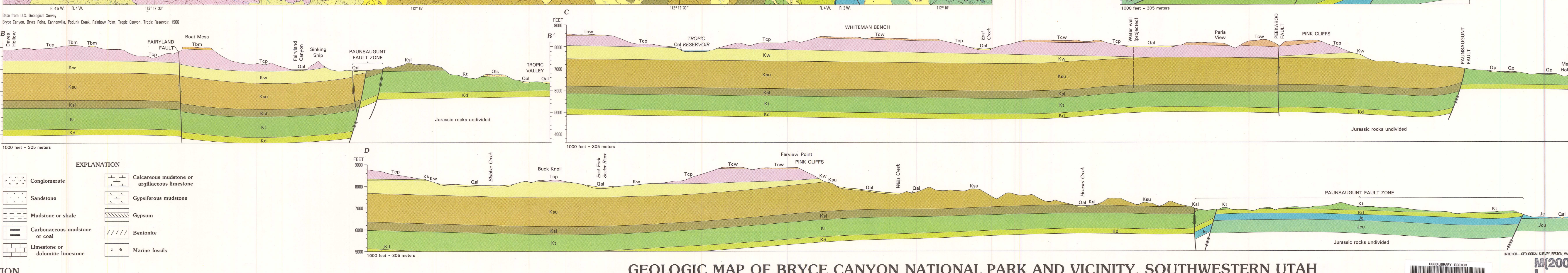
- Ca Claron Formation (Holocene and Pleistocene)—Beds of massive, well-sorted, rounded, coarse-grained, calcareous sandstone with interbedded tan to gray mudstone, calcareous mudstone, or thin coal beds. Lower 60-50 ft is buff to light brown, very fine grained, calcareous mudstone, cross-bedded, diff. forming marine sandstone. Unit is equivalent to the Kaysville and Tropic Canyon Members (Peterson, 1969b) in the Kaiparowits Plateau. Thickness 325-400 ft.
- Tr Tropic Shale (Upper Cretaceous)—Gray to olive gray coarse sand beds in the gray sandstone beds in upper part. Lower part contains very fine beds of tan to yellowish shale and a hard limestone section, some may contain marine fossils. Thickness 700-1,000 ft.
- Dak Dakota Formation (Upper Cretaceous)—Interbedded light to light brown sandstone, gray to tan mudstone, dark calcareous mudstone, and coal. Basal sandstone is gray light brown, mudstone is gray to tan, calcareous. Some public lands conglomerates in present beds. Thickness 850-200 ft.
- En Ennals Sandstone (Middle Jurassic)—Light tan to light gray, moderately to moderately well-sorted, and silty sandstone. Generally flat bedded and weathers to red, tan to medium gray, cross-bedded. Thickness 200-300 ft.
- Carn Carnal Formation (Middle Jurassic)
- Upp Upper member (Peterson and Pappageorgis, 1979)—Silt, sandstone, and shale. Fine grained sandstone, silty sandstone, and mudstone. Upper part contains tan, and very thin, tan to white gypsum beds. Lower part contains a light gray, shaly bedded limestone member bed (local) about 12 ft thick and lower 100 ft is buff to light gray, silty, and cross-bedded. Thickness about 600-700 ft.
- Tha Thousand Pockets Tongue of Pap Sandstone (Middle Jurassic)—Quaternary member is thick bedded, white, massive gypsum in lower part and flat bedded, interbedded gray to greenish gray mudstone, argillaceous mudstone, and silty sandstone. Gypsum flat bedded and weathers to red, tan to medium gray, cross-bedded. Thickness 300-400 ft.
- Wah Wahseep Formation (Upper Cretaceous)—Upper 100-100 ft consists of light gray to white, fine to coarse-grained, cross-bedded sandstone and conglomeratic sandstone consisting of small pebbles of gray chert and tan quartzite. Lower 600 ft is buff to light brown, buff, fine grained, lenticular sandstone interbedded with gray to tan mudstone, thin beds of light gray to white siltstone, and very fine grained sandstone. Thickness 900-1,300 ft.
- St Stable Cliffs Formation (Upper Cretaceous)—Upper part—Upper 100-200 ft consists of white, thick bedded to massive, medium to coarse-grained, cross-bedded sandstone consisting of layers of public conglomeratic, some shaly or sandy grained covered benches. Lower 800-1,100 ft is buff, tan, and light brown, very fine grained to fine grained, argillaceous and interbedded gray to tan mudstone. A 30 ft interval of calcareous shale and tan coal about 100 ft above the base is probably equivalent to the Handerson coal seam (Robinson, 1967). Further south. Unit is equivalent to the Dip Trail and John Henry Members (Peterson, 1969a) in the Kaiparowits Plateau. Thickness 900-1,300 ft.

**Upper member**

- St Stable Cliffs Formation (Upper Cretaceous)—Upper 100-200 ft consists of light gray to white, fine to coarse-grained, cross-bedded sandstone and conglomeratic sandstone consisting of small pebbles of gray chert and tan quartzite. Lower 600 ft is buff to light brown, buff, fine grained, lenticular sandstone interbedded with gray to tan mudstone, thin beds of light gray to white siltstone, and very fine grained sandstone. Thickness 900-1,300 ft.

**Lower member**

- St Stable Cliffs Formation (Upper Cretaceous)—Upper 100-200 ft consists of light gray to white, fine to coarse-grained, cross-bedded sandstone and conglomeratic sandstone consisting of small pebbles of gray chert and tan quartzite. Lower 600 ft is buff to light brown, buff, fine grained, lenticular sandstone interbedded with gray to tan mudstone, thin beds of light gray to white siltstone, and very fine grained sandstone. Thickness 900-1,300 ft.



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