

| System | Series | Stratigraphic Unit | | Thickness (Feet) | Description | |
|------------------------|------------------|-----------------------|------------------------------|---|---|---|
| Tertiary | Eocene | Claron Formation | | 1000-1300 | Pink, white, and varicolored limestone, cliff former eroding into picturesque slopes and forms, basal conglomerate of exotic quartzite and limestone cobbles and pebbles. | |
| | —Unconformity— | | | | | |
| Cretaceous | Campanian | Kaiparowits Formation | | 265-700 | Dark gray to gray-green arkosic sandstone, friable with weak calcareous cementation. | |
| | —Unconformity— | | | | | |
| | Santonian ? | Coniacian ? | Wahweap Formation | | 500-1300 | Alternating sandy shale and thin- to thick-bedded resistant sandstone, ledge and slope topography. |
| | | | Straight Cliffs Formation | | | |
| | Turonian | Minor Coal | | 80-500 | Yellow-gray to brown, thick-bedded to massive cliff-forming sandstone with subordinate intervening gray shale, shaley sandstone, coal and carbonaceous shale. | |
| | | Tropic Shale | | 700-1000 | Drab gray shale with subordinate thin brown fine-grained sandstone, slope former. | |
| Cenomanian | Dakota Formation | | 150-450 | Yellow-gray to brown fine- to medium-grained sandstone alternating with gray shale, sandy shale, carbonaceous shale and coal, ledge and slope former creating Gray Cliffs; best coal near bottom and top of unit. | | |
| —Angular Unconformity— | | | | | | |
| Jurassic | Upper | Entrada Sandstone | Cannonville Member | 0-300 | White and reddish banded fine-grained sandstone and siltstone, friable and earthy weathering, massive. | |
| | | | Gunsight Butte Member | 0-300 | Red-brown and light green siltstone; also red cross-bedded sandstone of the "slickrock" type. | |
| | | Carmel Formation | Judd Hollow Tongue of Carmel | Wiggler Wash Member | 0-60 | Limestone, red siltstone, white and greenish gypsum. |
| | | | | Winsor Member | 180-250 | White, pink, brown sandstone alternating with thin red siltstone and mudstone. |
| | | | | Paria River Member | 55-200 | Interbedded light gray and red sandstone, limestone, siltstone, shale, and gypsum. |
| | | | | Thousand Pockets Tongue of Navajo Sandstone | 0-60 | Yellowish cross-bedded friable but resistant sandstone. |
| | | | | Crystal Peak Member | 120-190 | Dark reddish brown and white to light gray fine-grained sandstone, medium-bedded with minor thin gypsiferous or calcareous shales and conglomerate. |
| | | | | Kolob Limestone | 122-350 | Gray and tan dense limestone with some thin sandy red shale near the base and thin gypsum near top. |
| | | —Unconformity— | | | | |
| | | Lower | Navajo Sandstone | | 1000+ | Light gray to tan, locally red fine-grained sandstone, massive, exhibiting large-scale aeolian cross-bedding, calcareous and cliff forming. |

Figure 9 Generalized geologic section of rock formations in the Alton Coal Field. (from Doelling, 1972).