

DIFFICULTY CANYON SECTION

Location: This section was measured on east canyon wall on escarpments to the east of Difficulty Dreek one mile north of Difficulty Post Office, Carbon County.

Sundance:

Brown shale and sandstones.

Chugwater:

No. 31	Alternating bands of red and gray sandstones and shales. Approximately 20% gray.....	379'
No. 30.	Red shale and sandstone; mostly drift-covered.....	194'
No. 29.	Irregular band of gray limestone and gypsum breccia	3'
No. 28	White gypsum containing three bands of deep red shale	70'
No. 27	Thin gray cherty limestone.....	6"
No. 26	Red sandy shale; upper three inches green.....	4'
No. 25	Thinly banded gray limestone with numerous red clay-galls on the upper surface.....	3'
No. 24	Red joint shale and red sandy shale. The contact between this member and the underlying limestone is marked by a thin irregular band of red clay and limestone breccia.....	60'
No. 23	Pinkish gray porous limestone.....	2' 6"
No. 22	Fissile gray and reddish purple thinly laminated shale	10'
No. 21	Gray wavy limestone.....	4'
No. 20	Red joint shale upper 6" gray; some thin sandy layers	65'
No. 19	Hard cream colored limestone containing numerous white chert nodules.....	2'
No. 18	Drab joint shale.....	4'

No. 17	Massive gray limestone.....	1' 3"
No. 15	Deep red fissle shale passing upwards into gray platy sandstone.....	5'
No. 14	Dense fine-grained flaggy gray limestone.....	1' 4"
No. 13	Deep red sandy shale.....	8'
No. 12	Soft gray sandy shale.....	2' 6"
No. 11	Red sandy shale strongly mottled with small green spots.....	25' 6"
No. 10	Impure gypsum and numerous thin bands of red shale.	9' 6"
No. 9	Deep red shale.....	2"
No. 8	White gypsum.....	2' 6"
No. 7	Deep red joint shale.....	10"
No. 6	Pure white gypsum.....	62'
No. 5	Soft yellowish brown to greenish brown thinly laminated shale.....	14' 6"
No. 4	Gray banded limestone.....	2"
No. 3	Gray sandy gypsite cut by numerous thin calcite seams	5' 4"
No. 2	Massive light buff to cream colored sandstone. Strongly cross-bedded eolian type. Uniform thruout. The con- tact of this member was exposed for a distance of 300' thruout which distance it was sharp and regular. A peculiar limestone lense was noted on the east bank of the river. This lense measured 150' long by 12' thick, tapering to 0 at both extremities. The lower contact of the limestone with the sandstone was sharp but quite irregular. The sandstone gives rise to the precipitous walls of Difficulty Canyon.....	305'
No. 1	Gray massive limestone exposed in creek bed.....	10' +