

ATLAS

accompanying the report on the

GEOLOGY

OF A PORTION OF THE

UNTA MOUNTAINS

AND A REGION OF COUNTRY ADJACENT THERETO

DEPARTMENT OF THE INTERIOR

U. S. GEOGRAPHICAL AND GEOLOGICAL SURVEY OF THE TERRITORIES

Second Division

ATLAS

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GEOLOGY

OF A PORTION OF THE

UNTA MOUNTAINS

AND A REGION OF COUNTRY ADJACENT THERETO

BY

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Geologist in charge

1876

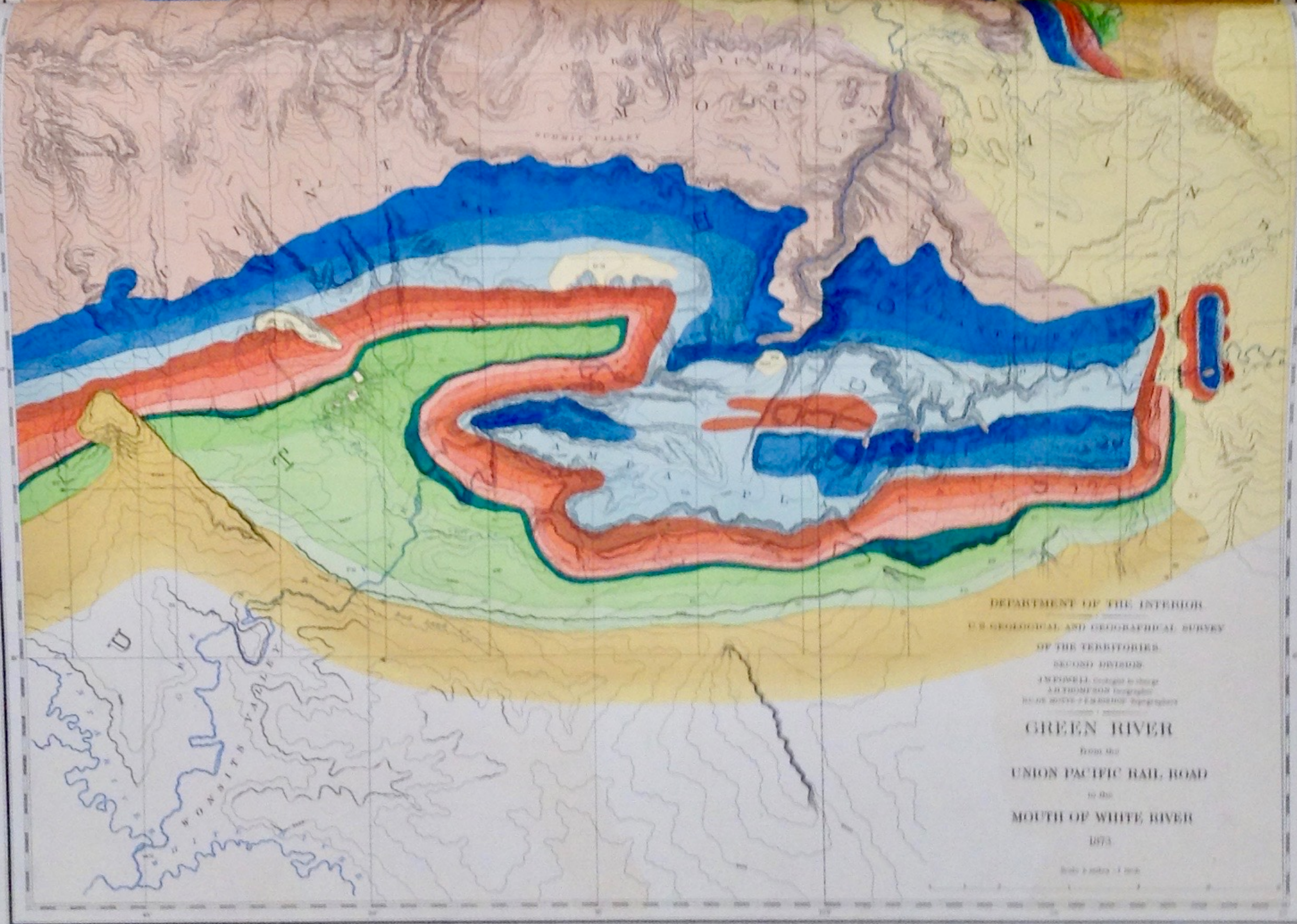
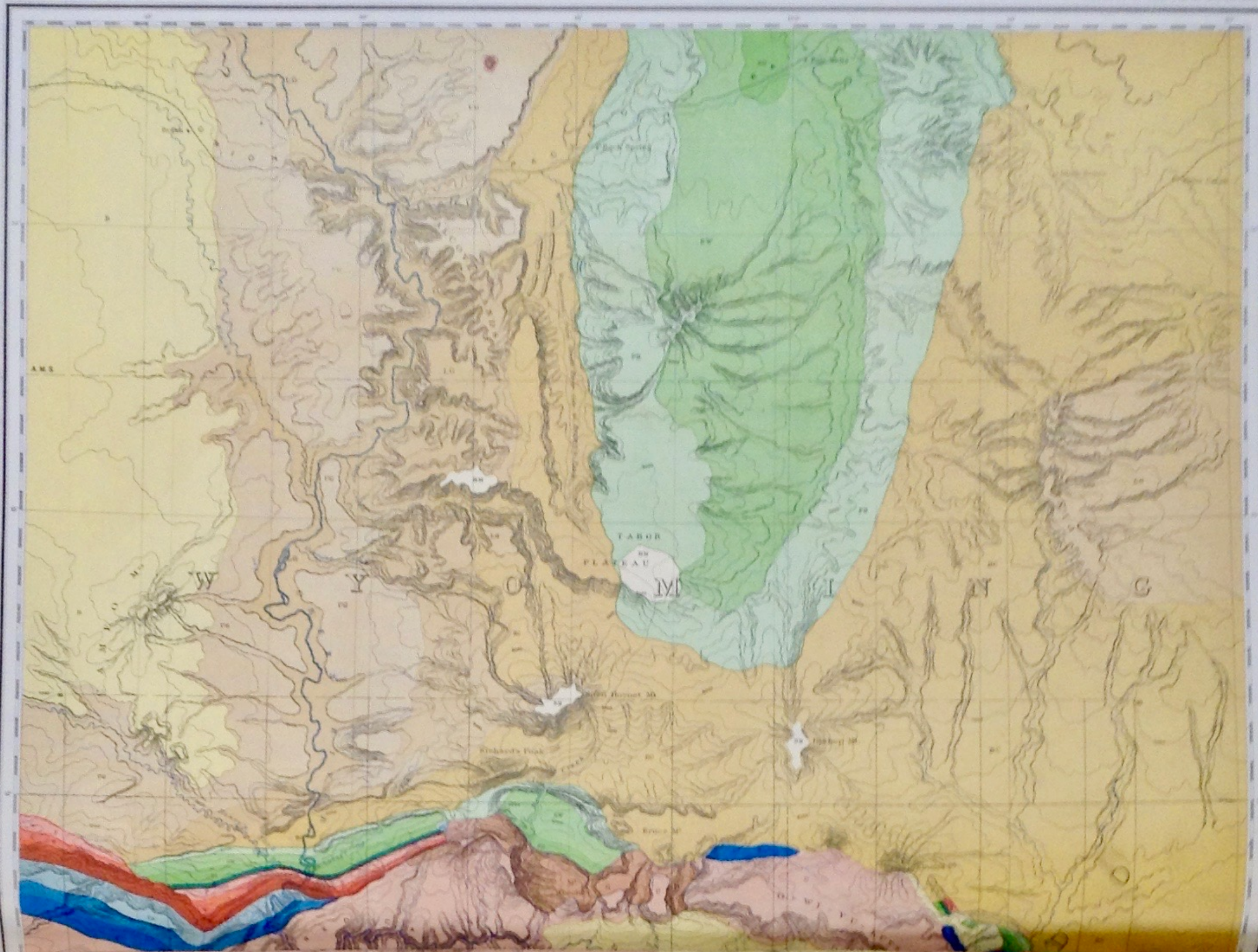
Julius Bien Lith.

SEDIMENTARY GROUPS.

Dispersed Mountain Conglomerates	DM
Brown Park	BP
Bridge	B
Upper Green River	CG
Lower Green River	LG
Bliss Creek	BC
Heart of Rocks	FR
Salt Wells	SW
Sulphur Creek	SC
Trinity Park	T
Hanging George	HG
White Cliff	W
Overlook Chert	O
Shawnee	S
Upper Arley	TA
Lower Arley	LA
Red Wall	R
Lodge	L
Clina	C
Red Creek Quartzite	Q

ERUPTIVE ROCKS.

TRACHYTE	T
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DEPARTMENT OF THE INTERIOR
 U. S. GEOLOGICAL AND GEOGRAPHICAL SURVEY
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 SECOND DIVISION.
 GREEN RIVER
 FROM THE
 UNION PACIFIC RAIL ROAD
 TO THE
 MOUTH OF WHITE RIVER
 1873.

MATHI
SCIENCE

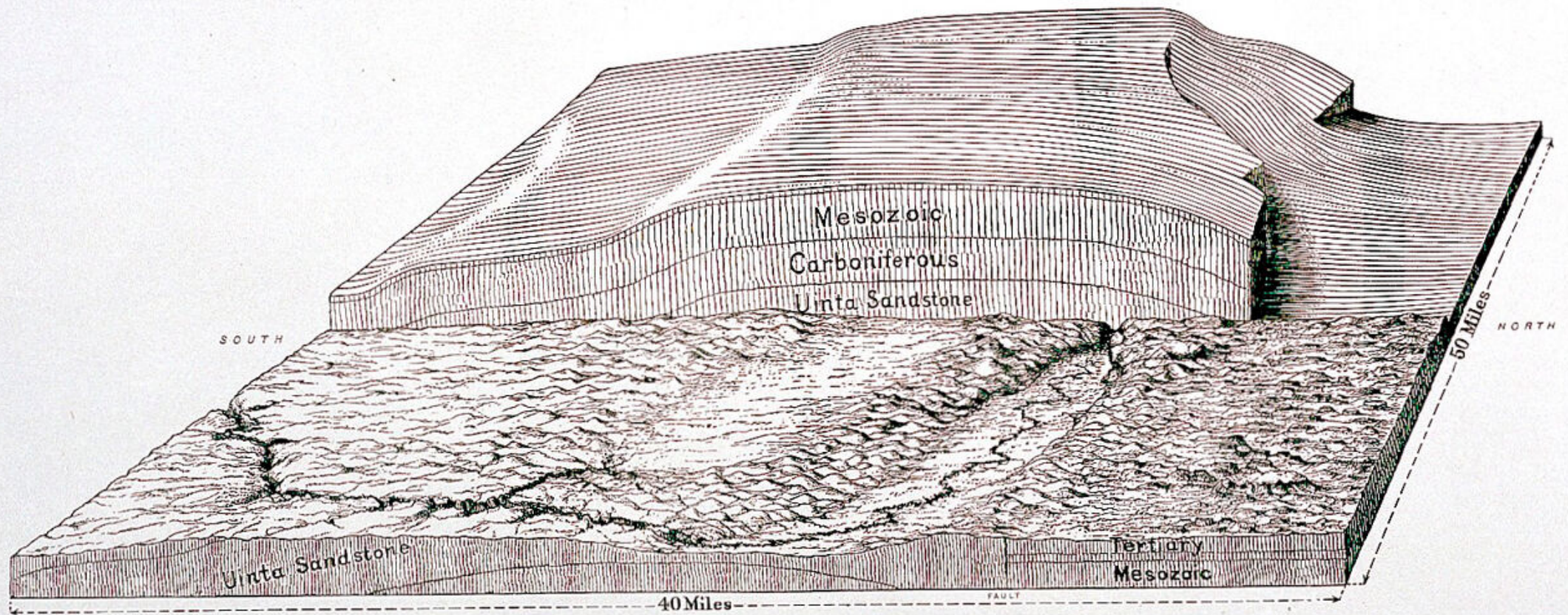
Scale 1 inch = 1 mile

Plate IV.

BIRD'S-EYE VIEW

of a part of the

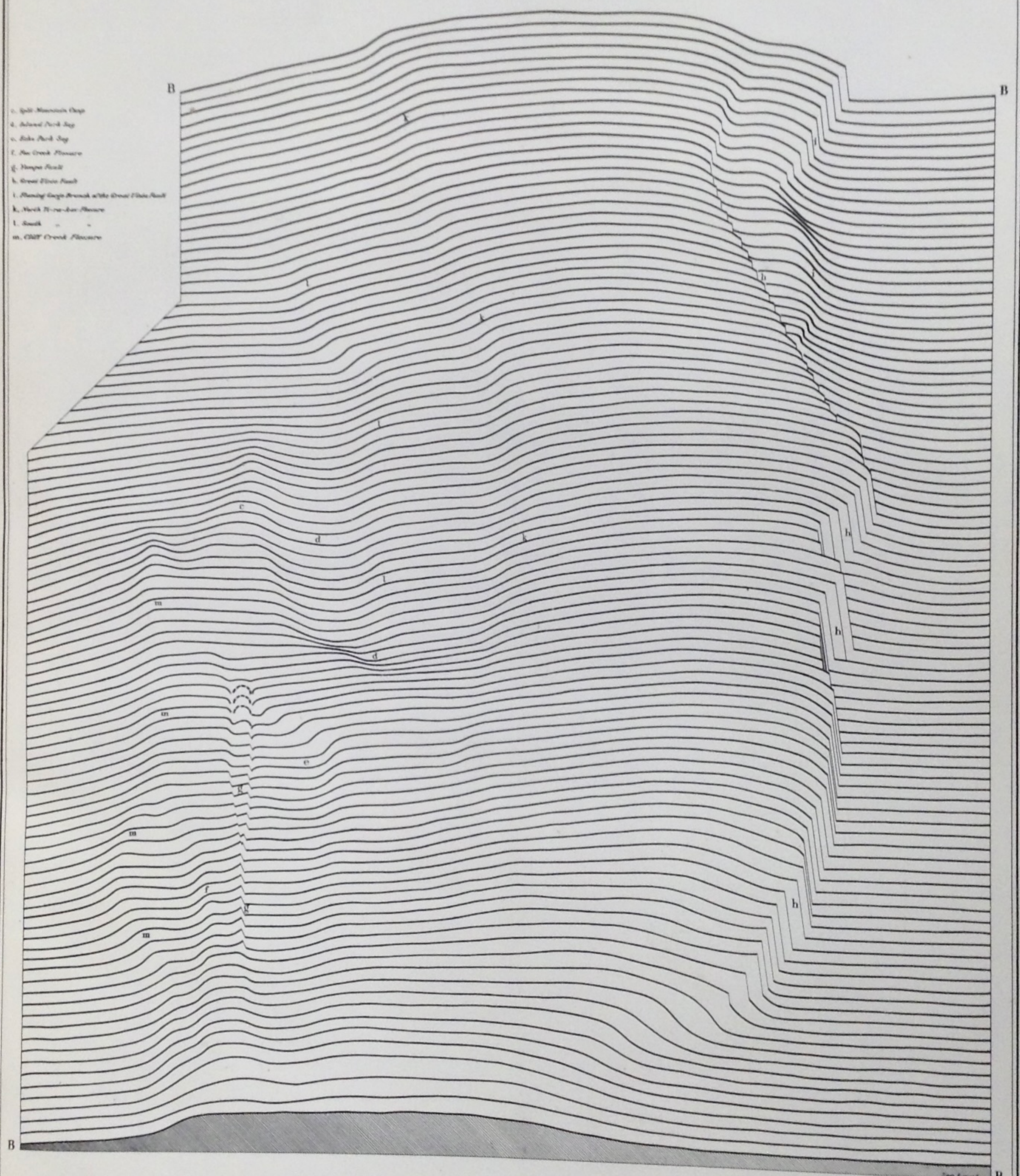
U I N T A U P L I F T .



*The block in the foreground exhibits the present surface, the block in the background is represented as it would stand, had there been no degradation.
 The fault shown in the foreground is a continuation of the fault shown in the background.
 The course of the Green River through Brown's Park and the Cañon of Lodore is seen in the front block.
 The summit of the restored block is the axially bed of the sections on Plate I, the last bed laid down before the inception of the uplift.
 The vertical and horizontal scales are the same.*

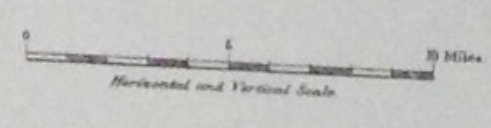
Plate III.

STEREOGRAM of the displacements of the eastern portion of the UINTA MOUNTAINS.



- a. Split Mountain Group
- b. Silver Peak Sup.
- c. Lake Park Sup.
- d. Fox Creek Formation
- e. Hesperia Peak
- f. Great Divide Peak
- g. Hanging Sage Branch of the Great Divide Peak
- h. North H-r-a-s-e-formation
- i. South " "
- m. Cliff Creek Formation

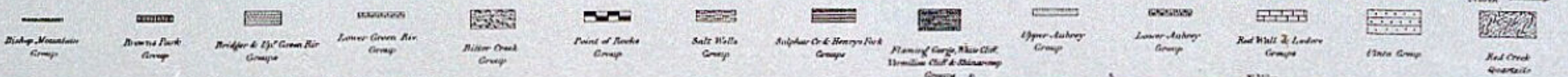
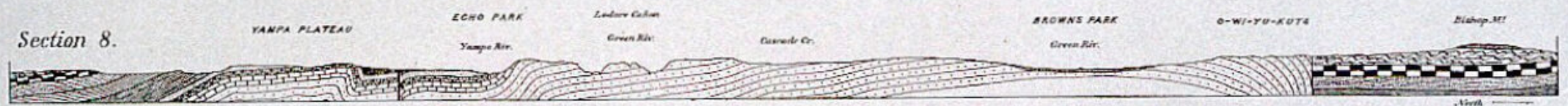
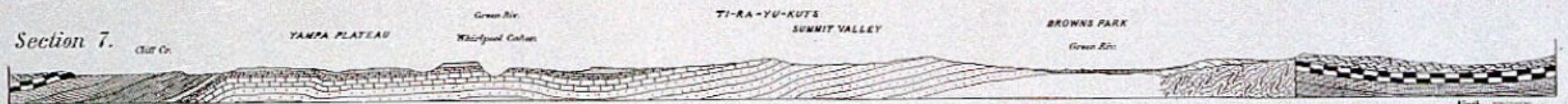
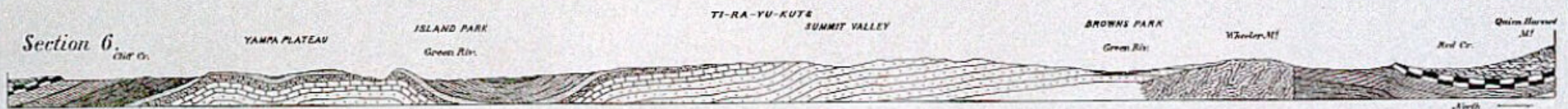
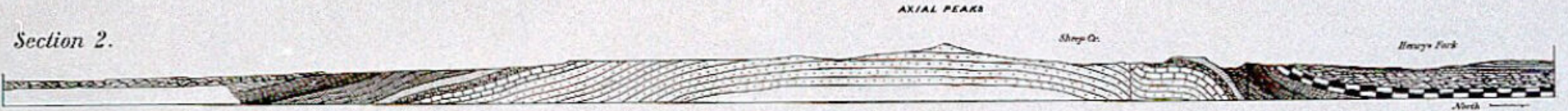
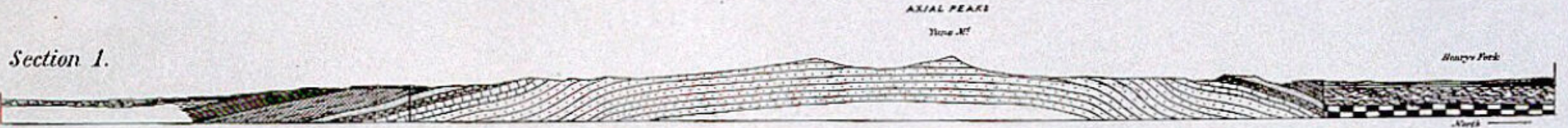
The heavy lines are diagrams of displacements on equidistant vertical planes - See A, above.
 The outlined bed is the top of the Point of Rocks group.
 The area outlined is designated by the letters B.B.B.B. on the Map.



Sea Level

Plate I.

STRUCTURE SECTIONS THROUGH THE UINTA MOUNTAINS.



The Plans of Section are parallel and equidistant — one mile apart.
 The Positions of the sections are shown on the Map.
 The Base Line of each section represents the level of the sea.



Plate 11.

DISPLACEMENT DIAGRAMS derived from the Structure sections through the UINTA MOUNTAINS. PL. 1

