



EXPLANATION

- Pcc  
Pcha  
Cutler formation  
Cedar Mesa sandstone member, Pcc;  
Halgaito tongue, Pcha
- Contact  
Can be located  
within 30 feet horizontally
- Resistant bed  
within a formation  
May be traceable only locally
- Strike and dip of beds  
Computed by photogrammetric methods
- Approximate strike and dip of beds  
Based on photo-interpretation
- Inferred strike and dip of beds  
Based on photo-interpretation of  
areas where bedding is obscure
- Strike of approximately vertical joints  
Based on photo-interpretation
- National Monument boundary  
Approximate location
- Secondary road
- Trail

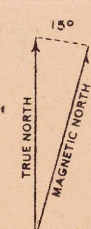
Note: Snow Flat Spring Cave and Prehistoric  
Cave Spring Nos. 1 and 2 are detached parts  
of the Natural Bridges National Monument.

Base map modified by U. S. Geological Survey  
from Soil Conservation Service map, Utah-346.  
This aerial photograph used for photogeologic  
interpretation, was taken in October, 1950.

This map is preliminary and has not been  
edited or reviewed for conformity with  
U. S. Geological Survey standards and  
nomenclature.

4	5	6	7	8
9	10	11	12	13
14	15	16	17	18

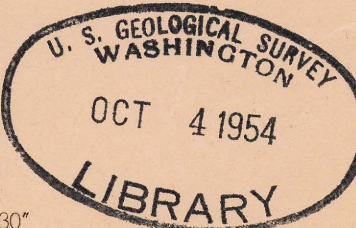
BLUFF  
QUADRANGLE



PHOTOGEOLOGY BY C. H. MARSHALL  
SCALE 1:24,000  
JUNE 1954

Roads as classified in this map series are as follows:  
Primary roads are maintained and graded, traversable  
by two-wheel-drive vehicles; secondary roads are traversable  
possibly by two-wheel-drive vehicles; trails are not  
traversable by four-wheel-drive vehicles except locally.  
When other information is lacking, roads are classified  
by their appearance on aerial photographs.

Sketchographic column for this area modified from U. S. Geol.  
Survey Prof. Paper 195, 1938; geologic and geologic field  
data from Prof. Paper 195 and U. S. Geol. Survey Trace  
Elements Memo Report 671, 1962.  
Maps of this series have been compiled mainly from photo-  
geologic data but have not been checked in the field, hence  
they have not had the benefit of thorough evaluation with  
respect to maps compiled entirely from field data.



Utah (Bluff 3 quad) Geol. 1:24,000. 1954.  
cop. 1.



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R290  
no. 54-184  
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