

(200)
T.G.M.
No. 370
AUG 16 1983
U.S. GEOLOGICAL SURVEY
GEOLOGIC DIVISION

PLEASE RETURN TO THE
POCKET
IN BACK OF THIS VOLUME

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, BLUFF-8
UTAH - SAN JUAN COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 370-A
R. 22 E.



EXPLANATION

- | | | |
|-----|----|----|
| Qal | Ot | Oc |
|-----|----|----|

 Alluvium, Qal; terrace deposits, Ot; covering deposits, undifferentiated, Oc
 - | |
|------|
| Jmw |
| Jmrs |

 Morrison formation
Westwater Canyon sandstone member, Jmw; Recapture shale and Salt Wash sandstone members, undifferentiated, Jmrs
 - | |
|----|
| Jb |
|----|

 Bluff sandstone
 - | |
|----|
| Js |
|----|

 Summerville formation
 - | |
|----|
| Je |
|----|

 Entrada sandstone
 - | |
|----|
| Jc |
|----|

 Carmel formation
 - | |
|----|
| Jn |
|----|

 Navajo sandstone
- QUATERNARY
UPPER JURASSIC
LOWER, MIDDLE AND UPPER JURASSIC
- | | |
|--|--|
| | |
|--|--|

 Contact
Can be located within 30 feet horizontally
 - | | |
|--|--|
| | |
|--|--|

 Contact
Can be located within 30 to 200 feet horizontally
 - | | |
|--|--|
| | |
|--|--|

 Contact
Cannot be located accurately, probable error greater than 200 feet horizontally
 - | | |
|--|--|
| | |
|--|--|

 Probable contact
 - | | |
|--|--|
| | |
|--|--|

 Strike and dip of beds
Computed by photogrammetric methods
 - | | |
|--|--|
| | |
|--|--|

 Approximate strike and dip of beds
Based on photo-interpretation
 - | | |
|--|--|
| | |
|--|--|

 Horizontal beds
 - | | |
|--|--|
| | |
|--|--|

 Strike of approximately vertical joints
Based on photo-interpretation
 - | | |
|--|--|
| | |
|--|--|

 Irrigation ditch
 - | | |
|--|--|
| | |
|--|--|

 Reservation boundary
Approximate location
 - | | |
|--|--|
| | |
|--|--|

 Primary road
 - | | |
|--|--|
| | |
|--|--|

 Secondary road
 - | | |
|--|--|
| | |
|--|--|

 Trail

Base map modified from Soil Conservation Service map, Utah 346.
The aerial photographs used for photogeologic interpretation were taken in June 1960.

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

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

BLUFF QUADRANGLE



PHOTOGEOLOGY BY C. F. MILLER
SCALE 1:24,000
REVISED AUGUST 1964

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.

Stratigraphic column for this area modified from U. S. Geol. Survey Trace Elements by R. W. 1963. Diagrams are geologic field data from U. S. Geol. Survey Prof. Paper 395, 1959.
Maps of this series have been compiled mainly from photogeologic 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.