



EXPLANATION

- Alluvium
- Terrace deposits (?)
- Undifferentiated sand, residual mantle, and slope wash
- Price River formation, Kp; Buck tongue of the Mancos shale, Kmb;
- Castlegate formation
- Blackhawk formation  
Upper shale and sandstone member, Kbh;  
Middle sandstone member, Kbh
- Mancos shale  
Upper part undifferentiated, Kmu;  
Ferron sandstone member, Kmf;  
Tununk shale member, Kmt
- Dakota sandstone
- Upper unit of the probable equivalent of the Burro Canyon formation
- 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.
- Resistant bed within a formation  
May be traceable only locally.
- Fault  
Dashed where approximately located  
U, upthrown side, D, downthrown side.
- Concealed fault
- Syncline  
Showing trough line and direction of plunge  
Approximately located.
- Strike and dip of beds  
Based on field measurement.
- Approximate strike and dip of beds  
Based on photointerpretation.
- Inferred strike and dip of beds  
Based on photointerpretation of areas where bedding is obscure.
- Strike of approximately vertical joints
- Gravel pit
- Primary road
- Secondary road
- Trail
- Abandoned railroad
- Power line

Note: Within the upper member of the Blackhawk formation the contact between the upper sandstone unit and the lower shale unit is indicated by the resistant bed symbol.

Base map modified from Soil Conservation Service map, Utah, 225.  
The aerial photographs used for photogeologic interpretation were taken in August and October 1962.

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

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

MOAB QUADRANGLE

PHOTOGEOLOGY BY J. S. DETTERMAN  
SCALE 1:24,000  
NOVEMBER 1964

roads as presented in this map were, in general, primary roads, improved and graded, traversable in all seasons, with secondary roads, or traversable only by "seasonal" drive vehicles, being not traversable by four-wheel drive vehicles, except locally. When other information on road conditions is available, it is indicated by the appropriate road symbol.

Stratigraphic column modified from U.S. Geol. Survey Prof. Paper 278, 1953; U.S. Geol. Survey Bull. 1000, 1940; and U.S. Geol. Survey Bull. 852, 1936, photogeologic and geologic field data also from Bull. 306 and 852. This map has been compiled mainly from photogeologic data but has not been checked in the field; hence it has not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.



