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no. 829

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, MOAB-4
UTAH - EMERY COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 829

FLORENCE CANYON-181



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, Kbm
- 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.

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|----|----|----|
| 3 | 2 | 1 |
| 5 | 6 | 7 |
| 12 | 11 | 10 |
| 13 | 14 | 15 |
| 16 | | |

MOAB QUADRANGLE

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

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

Stratigraphic column modified from U.S. Geol. Survey Prof. Paper 228-1953, U.S. Geol. Survey Bull. 908-1962, and U.S. Geol. Survey Bull. 952-1966; geographic and geologic field data also from Bull. 908 and 852. This map has been compiled mainly from photogeologic data that 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.

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