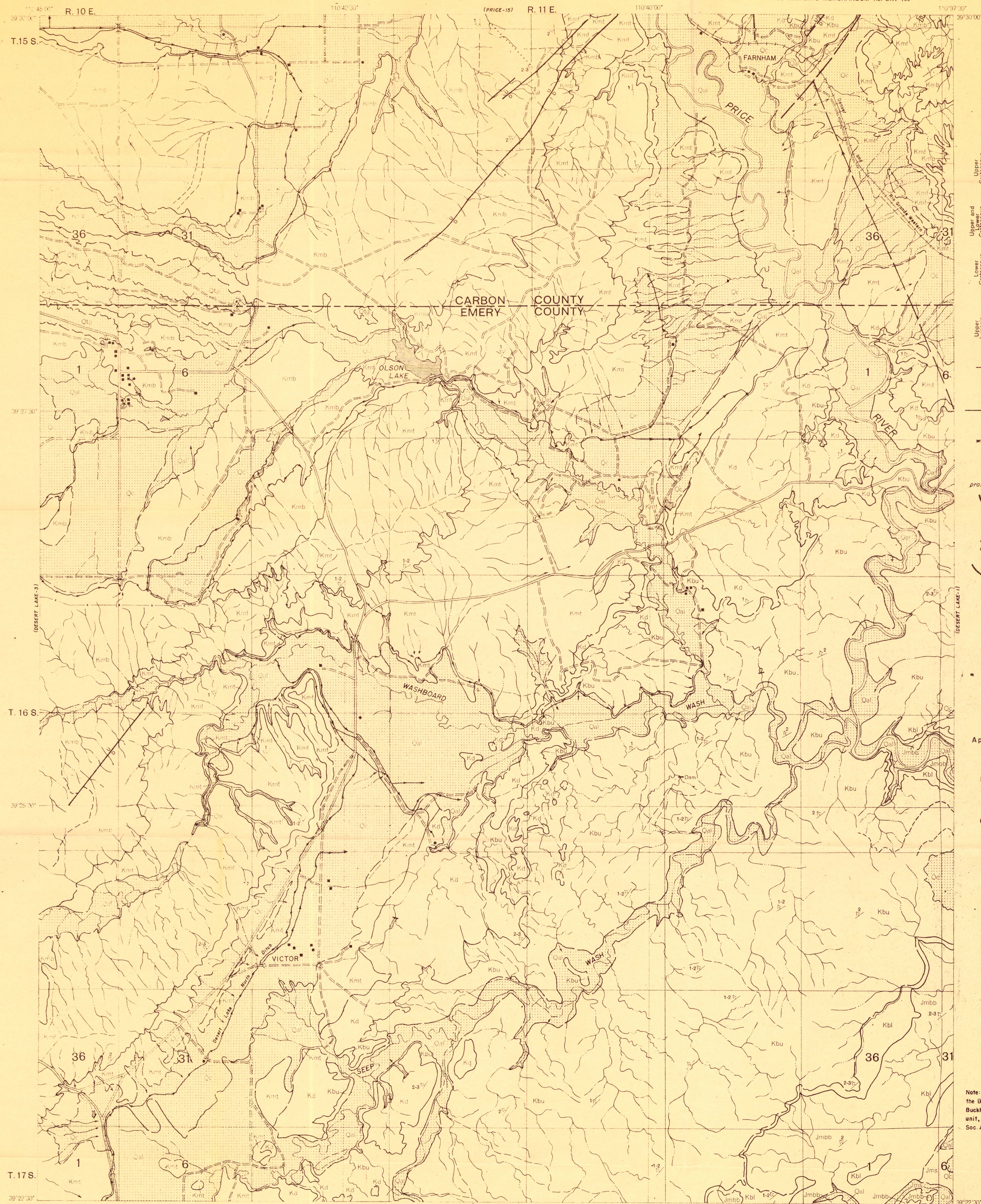


DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, DESERT LAKE-2
UTAH - EMERY AND CARBON COUNTIES
TRACE ELEMENTS MEMORANDUM REPORT 760



EXPLANATION

- | QUATERNARY | CRETACEOUS | JURASSIC |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Qal, Qtg, Qc | Knmb, Kmfb, Kmtb | Kmb, Kmf, Kmt |
| Alluvium, Qal; terrace gravels, Qtg; covering deposits, undifferentiated, Qc | Mancos shale, Blue Gate shale member, Kmb; Ferron sandstone member, Kmf; Tununk shale member, Kmt | Blue Gate shale member, Kmb; Ferron sandstone member, Kmf; Tununk shale member, Kmt |
| | Kd | Kd |
| | Dakota sandstone | Dakota sandstone |
| | Kbu, Kbl | Kbu, Kbl |
| | Probable equivalent of the Burro Canyon formation | Upper unit, Kbu; lower unit, Kbl |
| | Jmbb, Jms | Jmbb, Jms |
| | Morrison formation, Brushy Basin shale member, Jmbb; Salt Wash sandstone member, Jms | Morrison formation, Brushy Basin shale member, Jmbb; Salt Wash sandstone member, Jms |
- Contact**
Can be accurately located within 30 feet horizontally
- Contact**
Can be approximately located within 30 to 200 feet horizontally
- Contact**
Cannot be located accurately; probable error greater than 200 feet
- Fault**
Dashed where approximately located
U, upthrown side; D, downthrown side
- Probable or doubtful fault**
- Anticline**
Showing trace of axial plane and direction of plunge
Approximately located
- Strike and dip of beds**
Based on field measurement
- 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
- Conspicuous resistant bed within a formation**
May be traceable only locally
- Uninterpretable linear feature on photograph**
May be geologically significant
- Mine or quarry**
- Irrigation ditch**
- County boundary**
- Primary road**
- Secondary road**
- Trail**
- Fence**

Note: The lower unit of the probable equivalent of the Burro Canyon formation is believed to be the Buckhorn conglomerate of Stokes, and the upper unit, the Cedar Mountain shale of Stokes (Geol. Soc. America Bull., vol. 55, 1944).

PLANIMETRIC BASE MAP RECOMPILED BY U. S. GEOLOGICAL SURVEY FROM SOIL CONSERVATION MAP 192.

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

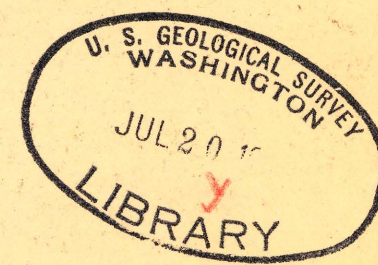
DESERT LAKE QUADRANGLE

PHOTOGEOLOGY BY C. F. MILLER
SCALE 1:24,000
MARCH 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.

Stratigraphic column for this area modified from U.S. Geol. Survey Oil and Gas, Inv. Map 0413, 1950; U.S. Geol. Survey Bull. 882, 1956; and Bull. 826, 1956. Geographic and geologic field data from U.S. Geol. Survey Bull. 826, 1956. 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.

Utah (Desert Lake 2 quad). Geol. 1:24,000. 1954.
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