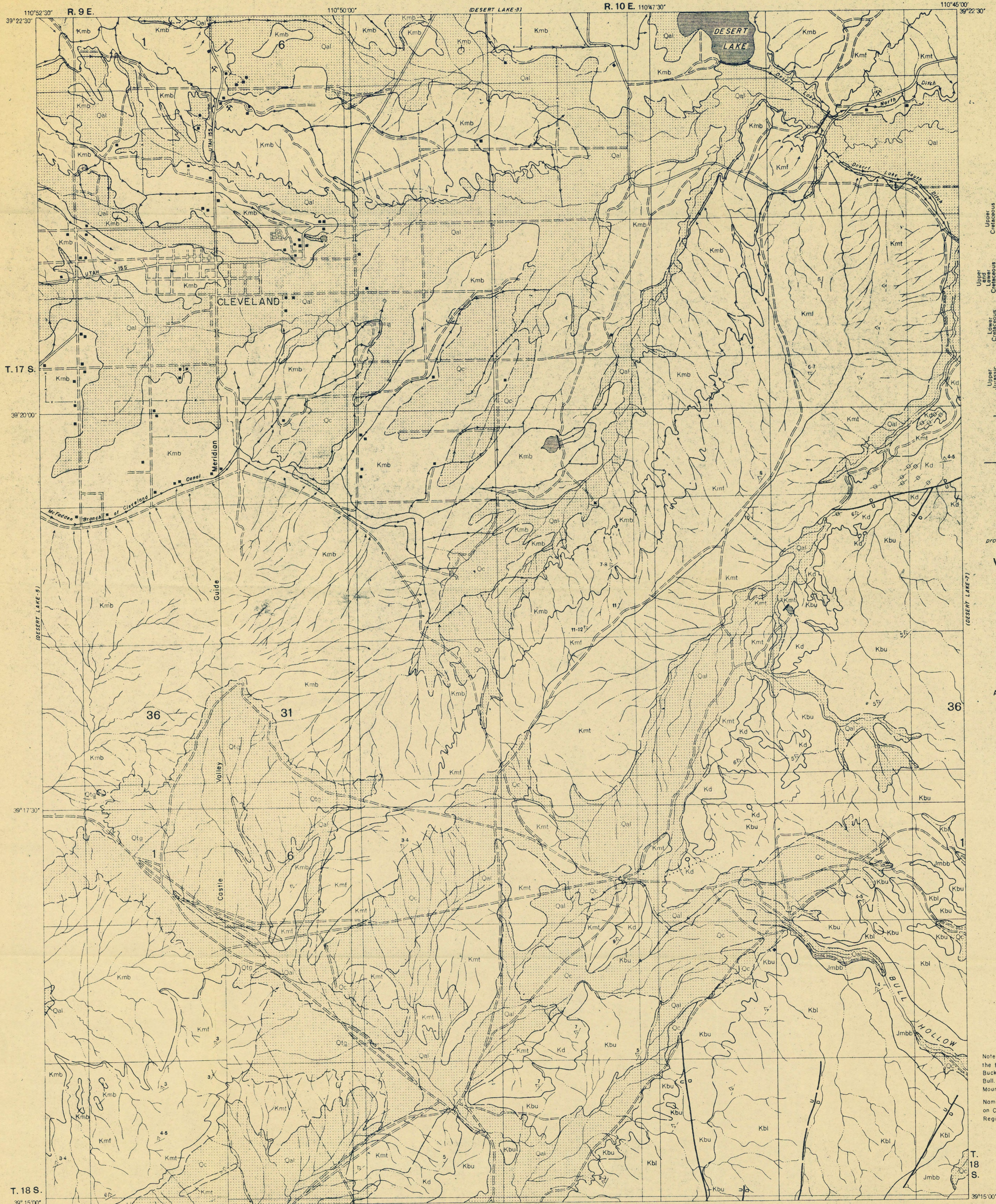


DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, DESERT LAKE-6
UTAH - EMERY COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 756



EXPLANATION

Qal	Qtg	Qc
Alluvium, Qal; terrace gravel, Qtg; covering deposits, undifferentiated, Qc		
Kmb		
Kmf		
Kmt		
Manco shale		
Bluegate shale member, Kmb;		
Ferron sandstone member, Kmf;		
Tununk shale member, Kmt		
Kd		
Dakota sandstone		
Kbu		
Kbl		
Probable equivalent of the		
Burro Canyon formation		
Upper unit, Kbu; lower unit, Kbl		
Jmbb		
Brushy Basin shale member		
of the Morrison formation		

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

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

Strike of approximately vertical
joints
Based on photo-interpretation

Uninterpretable linear feature
on photograph
May be geologically significant

Mine or quarry

Irrigation ditch

Primary road

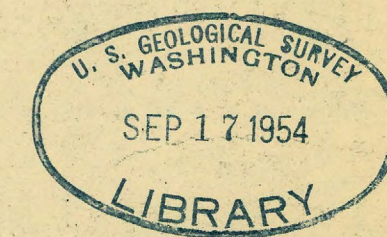
Secondary road

Trail

Fence

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

Names of members of the Manco shale are based on C. B. Hunt's Geologic Map of the Henry Mountains Region, Utah, O. M. 131, 1952.

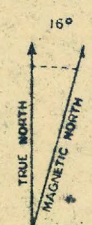


Planimetric base map recomputed by U. S. Geological Survey from Soil Conservation map 181.

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
FEBRUARY 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 Bull. 852 (1956), Bull. 628 (1916) and Oil and Gas Inv., Map G.M. 131 (1952). Geographic and geologic field data from U. S. Geol. Survey Bull. 628 (1916).

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 6 quad.) Geol. 1:24,000. 1954.
cop. 1.



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no. 54-210
C. 1