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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, DESERT LAKE-13

UTAH-EMERY COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 766

EXPLANATION

Qal, Qt, Qc	Alluvium, Qal; terrace deposits, Qt; covering deposits, undifferentiated, Qc	QUATERNARY
Kmf, Kmt	Mancos shale; Ferron sandstone member, Kmf; Tununk shale member, Kmt	CRETACEOUS — Upper Cretaceous
Kd	Dakota sandstone	CRETACEOUS — Upper and Lower Cretaceous
Kbu, Kbl	Probable equivalent of the Burro Canyon formation; Upper unit, Kbu; lower unit, Kbl	CRETACEOUS — Lower Cretaceous
Jmbb, Jms	Morrison formation; Brushy Basin shale member, Jmbb; Salt Wash sandstone member, Jms	JURASSIC — Upper Jurassic
Js	Summerville formation	JURASSIC — Upper Jurassic
Jcu	Curtis formation	JURASSIC — Upper Jurassic
Je	Entrada sandstone	JURASSIC — Upper Jurassic
Jc	Carmel formation	JURASSIC — Upper and Middle Jurassic

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
Dashed where approximately located

Syncline
Showing trace of axial plane and direction of plunge
Dashed where 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 area where bedding is obscure

Horizontal beds

Conspicuous resistant bed within a formation
May be traceable only locally

Uninterpretable linear feature on photograph
May be geologically significant

Irrigation ditch

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).

Base map modified from Soil Conservation Service map, Utah - 201.

The aerial photographs used for photogeologic interpretation were taken in July and October 1952.

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.

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

DESERT LAKE QUADRANGLE

16° TRUE NORTH MAGNETIC NORTH

PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000
0 — 1 MILE
APRIL 1955

This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.

Stratigraphic column for this area modified from U.S. Geol. Survey Bulls. 806-C, 1928 and 628, 1916. Geographic and geologic field data also from Bulls. 806-C and 628.

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.