

PHOTOGEOLOGIC MAP, DESERT LAKE-10
UTAH - EMERY COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 767

QUATERNARY

Talus deposits, Qtz;
covering deposits, Qc

CRETACEOUS

Kb	Kbu
	Kbl

Probable equivalent of the
Burro Canyon formation, Kb;
Upper unit, Kbu; lower unit, Kbl

Jmbb
Jms

Morrison formation

Brushy Basin shale member, Jmsb;
Salt Wash sandstone member, Jmsw

Js

Summerville formation

Jcu

Curtis formation

Je

Entrada sandstone

Jc

Carmel formation

Jn

Navajo sandstone

Jk

Kayenta formation

Jw

Wingate sandstone

JURASSIC (?)

Can be accurately located
within 30 feet horizontally

Can be approximately located
within 30 to 200 feet horizontally

Contact
 Cannot be located accurately;
 probable error greater than 200 feet

Probable or doubtful contact

Probable or doubtful fault
U, upthrown side; D, downthrown side.

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

x

Primary road

Secondary road

Trai

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) In most places in this map area, the upper unit has been eroded to a very thin section above the resistant conglomerate, and on aerial photographs it is difficult to distinguish from covering deposits.

Base map modified by U.S. Geological Survey from
Soil Conservation Service map, Utah-202.

The aerial photographs used for photogeologic interpretation
were taken in November 1952.

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 W. H. CONDON
SCALE 1:24,000
MAY 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. 806-C, 1929 and Bull. 628, 1916; geographic and geologic field data also from Buils 806-C, and 628. Maps of this series have been compiled mainly from photo-geologic data but have not been checked in the field; hence they have not had the benefit of thorough evaluation with respect to accuracy, but only insofar as some field data.

Utah (Desert Lake 10 quad). Geol. 1:24,000. 1954.
cop. 1.

M(200)
R29o
no.54-56
C.1

