

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, DESERT LAKE-9
UTAH - EMERY COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 737

EXPLANATION

Lower	Qc	Covering deposits, undifferentiated
	Kbu Kbl	Probable equivalent of Burro Canyon formation Upper unit, Kbu; lower unit, Kbl
Upper	Jmbb Jms	Morrison formation Brushy Basin shale member, Jmbb; Salt Wash sandstone member, Jms
	Js	Summerville formation
	Jcu	Curtis formation
	Je	Entrada sandstone
Middle and Upper	Jc	Carmel formation
	Jn	Navajo sandstone
	JK	Kayenta formation
	Jw	Wingate sandstone

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
Probable or doubtful contact

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

Strike of approximately vertical
joints
Based on photo-interpretation

Uninterpretable linear feature
on photograph
May be geologically significant

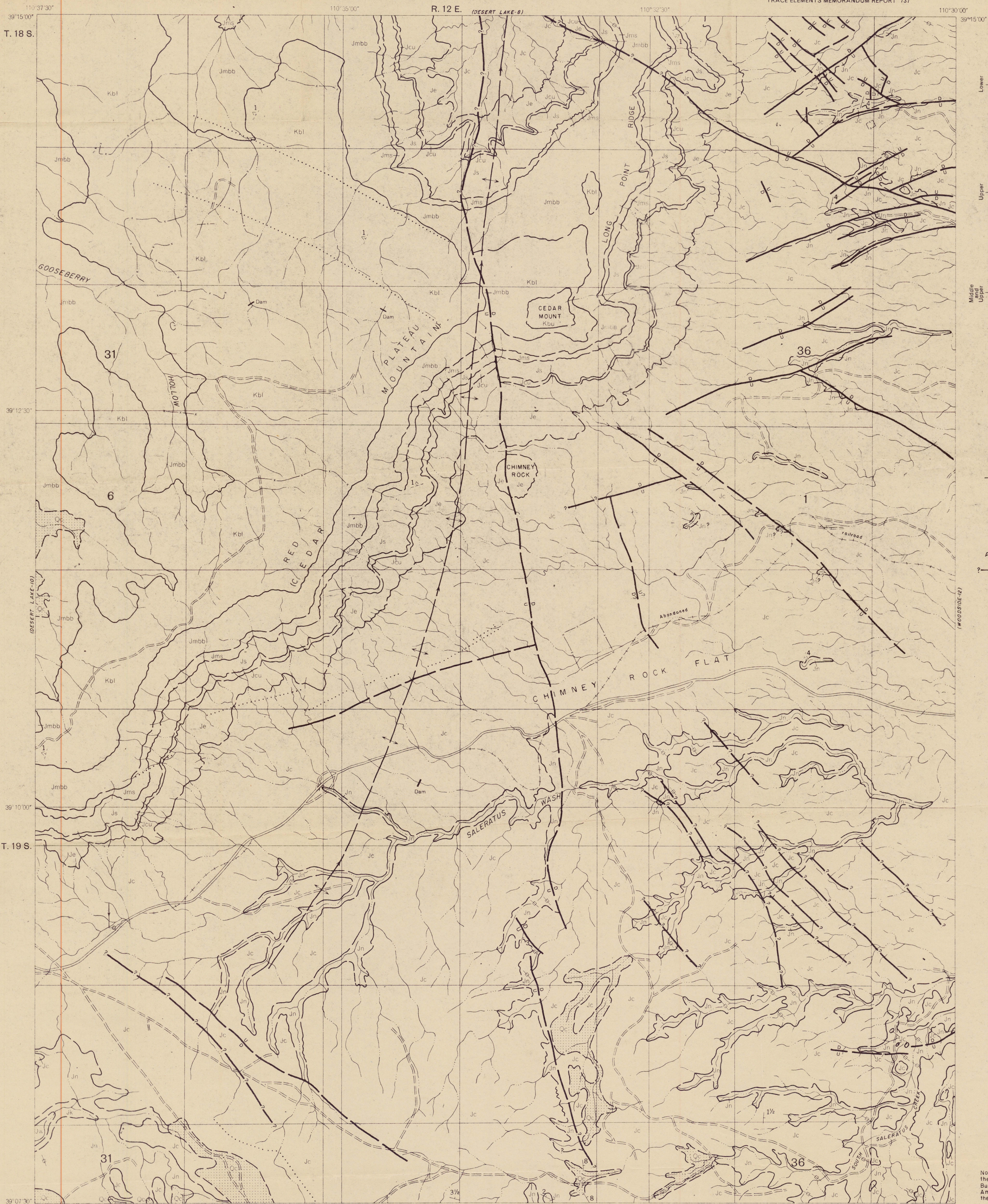
Irrigation ditch

Primary road

Secondary road

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.

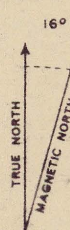


Planimetric base map recompiled by
U. S. Geol. Survey from Soil Conser-
vation Service Map 202

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

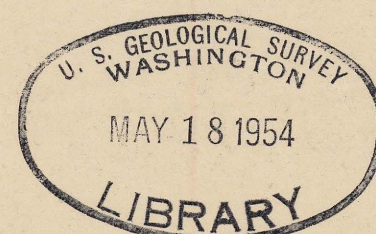
DESERT LAKE
QUADRANGLE



PHOTOGEOLOGY BY J. T. CASS
SCALE 1:24,000
DECEMBER 1953

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
locally 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. 996-C, 1959. Geologic and geologic field
data also from U. S. Geol. Survey Bull. 996-C, 1959.
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 maps compiled entirely from field data.



Utah (Desert Lake 9 quad.) Geol. 1:24,000. 1953.
cop. 1.



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R290
no. 54-46
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