

U.S. GEOLOGICAL SURVEY
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U.S. GEOLOGICAL SURVEY
DENVER

TRACE ELEMENTS MEMORANDUM REPORT 1014

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

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

EXPLANATION

Surficial deposits
Qs

Upper Cretaceous
Kmm
Kmeu
Kme
Kmem
Kmel
Kmbg

Mancos shale
Masuk member, Kmm;
Emery sandstone member, Kmeu;
Upper tongue of Emery member, Kmeu;
Tongue of shale in Emery member, Kmem;
Lower tongue of Emery member, Kmel;
Blue Gate shale member, Kmbg

Contact
Can be located
within 30 feet horizontally.

Contact.
Can be located
within 30 to 200 feet horizontally.

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

Probable contact

Resistant bed
within a formation
May be traceable only locally.

Anticline
Showing crest line
and direction of plunge
Approximately located

Syncline.
Showing trough line
and direction of plunge
Approximately located

Linear feature uninterpretable on photograph
May be geologically significant.

Strike and dip of beds
Based on field measurement.

Strike and dip of beds
Computed by photogrammetric methods.

Approximate strike and dip of beds
Based on photointerpretation.

Inferred strike and dip of beds
Based on photointerpretation of
areas where bedding is obscure.

Gravel pit
Prospect or open cut

Irrigation ditch

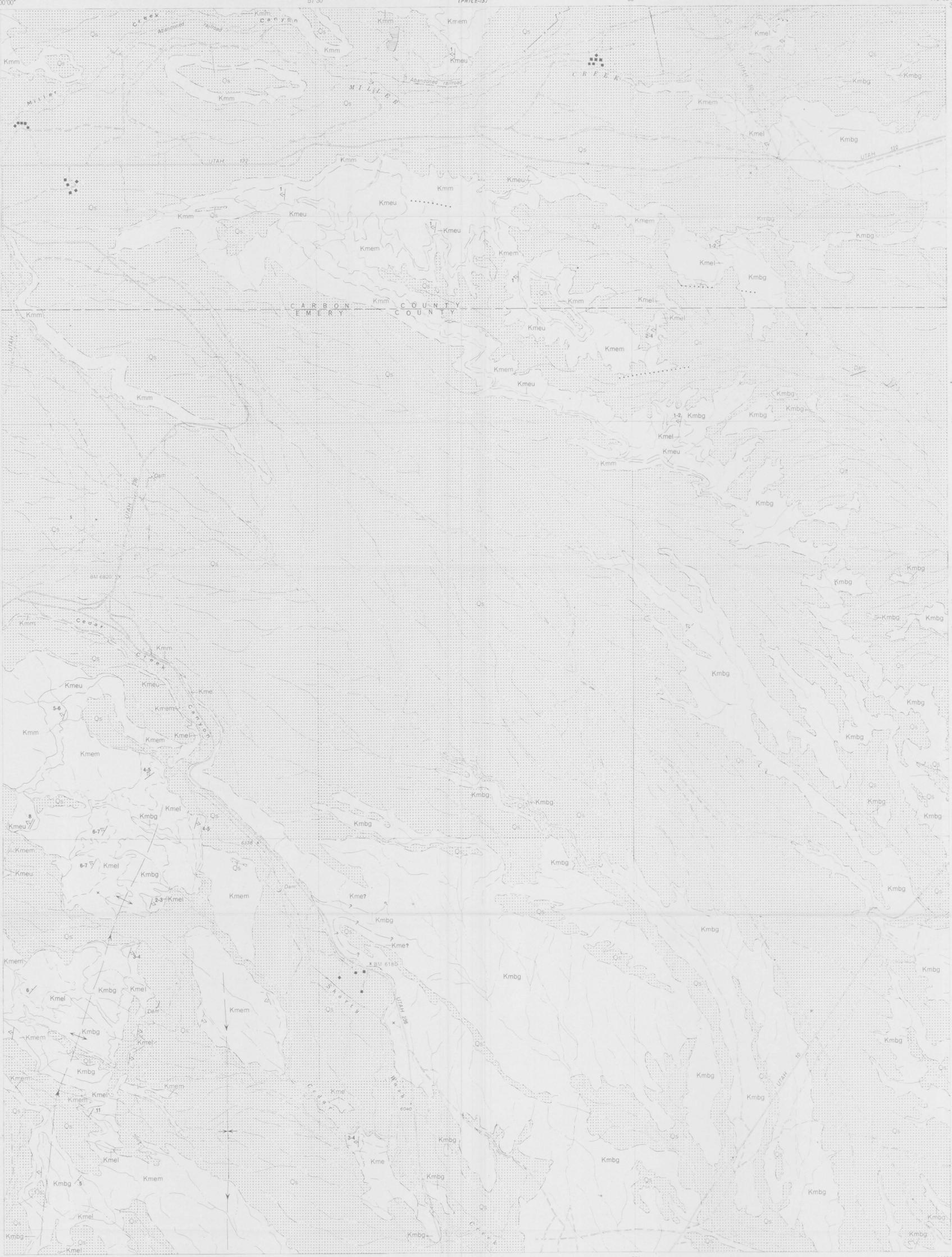
County boundary

Primary road

Secondary road

Trail

Fence



PHOTOGEOLOGIC MAP
OF THE
DESERT LAKE-4 QUADRANGLE
EMERY AND CARBON COUNTIES, UTAH

By
C. H. Marshall

Scale 1:24,000



1957

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 Bull. 819, 1931. Geographic
and geologic field data also from Bull. 819.
This map has been compiled mainly from photogeologic data
and has not been checked in the field.

Base map modified from U. S. Soil Conservation
Service Map, Utah-181.

The aerial photographs used for photogeologic inter-
pretation were taken in November 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.

3	2	1
5	6	7
12	11	10
13	14	15

DESERT LAKE
QUADRANGLE



(SCOFIELD-50)
(CASTLE DALE-1)
(CASTLE DALE-2)

(DESERT LAKE-3)
(DESERT LAKE-4)
(DESERT LAKE-5)

QUATERNARY
CRETACEOUS

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