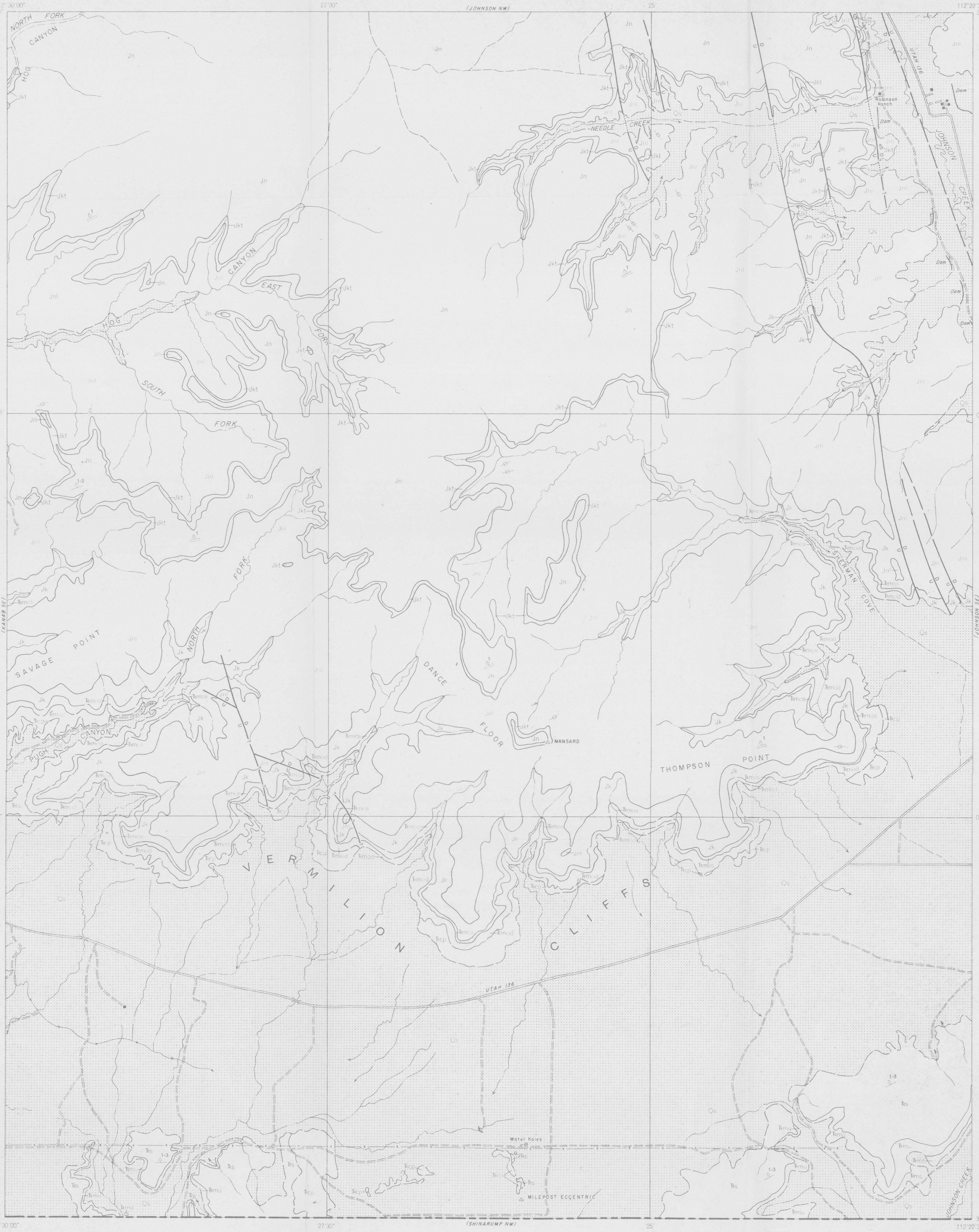
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

TRACE ELEMENTS MEMORANDUM REPORT 905



EXPLANATION

Qs — Surficial deposits

Jn — Navajo sandstone

Jkt / Jnl / Jk — Kayenta formation, Jk; Tenney Canyon tongue, Jkt; Lamb Point tongue of the Navajo sandstone, Jnl

Rmos / Rmod — Moenave formation, Springdale sandstone member, Rmos; Dinosaur Canyon sandstone member, Rmod

Rcp — Petrified Forest member of the Chinle formation

Rs — Shinarump conglomerate

Rmu / Rms — Moenkopi formation, Upper red member, Rmu; Shnabkaib member, Rms

JURASSIC QUATERNARY
JURASSIC(?)
TRIASSIC(?)
TRIASSIC
Upper Triassic
Lower and Middle(?) Triassic

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.

Fault
U, upthrown side; D, downthrown side.
Dashed where approximately located; dotted where concealed.
Questioned where probable.

Strike and dip of beds
Computed by photogrammetric methods.

Approximate strike and dip of beds
Based on photointerpretation.

Strike of approximately vertical joints
Based on photointerpretation.

Spring

Irrigation ditch

State boundary

Primary road

Secondary road

Trail

Fence

Base map compiled by U. S. Geological Survey from vertical aerial photographs.

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

NW | NE
SW | SE
JOHNSON
15-MINUTE QUADRANGLE

15½° TRUE NORTH / MAGNETIC NORTH

PHOTOGEOLOGIC MAP
OF THE
JOHNSON SW QUADRANGLE
KANE COUNTY, UTAH

By
J. S. Detterman

Scale 1:24 000

1 ½ 0 1 Mile

AUGUST 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 Prof. Paper 220, 1950, and unpublished field data of Paul Averitt, J. S. Detterman, J. W. Harshbarger, and C. A. Repenning. Geographic and geologic field data from Prof. Paper 220; U. S. Forest Service map, Dixie National Forest, Utah, 1950; and FWA, Public Roads Adm., Utah Transp. Map, Sheet 11, 1949.

This map has been compiled mainly from photogeologic data but has not been checked in the field.