

Qal Qd Qc

Alluvium and slope wash, Qal; dune sand, Qd; covering deposits, undifferentiated, Qc

- Upper
 - Je Entrada sandstone
 - Jc Carmel formation
 - Jn Navajo sandstone
 - Jk Kayenta formation
 - Jw Wingate sandstone
- Middle
 - Tc Chinle formation
 - Shinarump conglomerate
- Lower
 - Rm3, Rm2, Rm1 Moenkopi formation Unit 3, Rm3; unit 2, Rm2; unit 1, Rm1
 - Ph Kalibab limestone
 - Pco Coconino sandstone

Bleached or altered zone; questioned where probable or doubtful.

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

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 photo-interpretation

Inferred strike and dip of beds
Based on photo-interpretation of area where bedding is obscure

Conspicuous resistant bed within a formation
May be traceable only locally

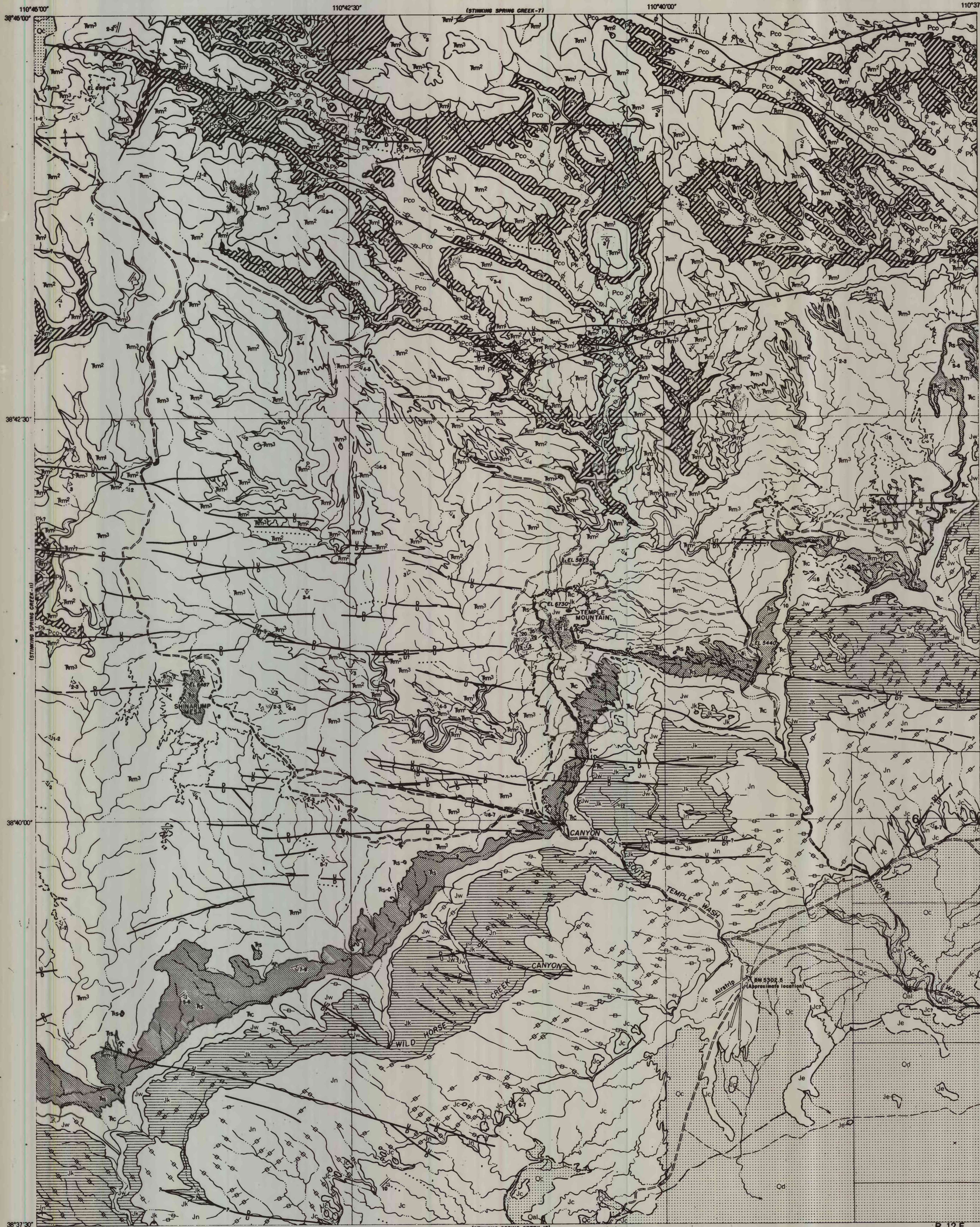
Strike of approximately vertical joints
Based on photo-interpretation

Uninterpretable linear feature on photograph
May be geologically significant

Mine or quarry Secondary road
Trail
Bench mark

Note: In the San Rafael Swell region the Moenkopi formation can be divided into three units on aerial photographs. No correlation with subdivisions of the Moenkopi formation in other areas is implied. On this map unit 2 is believed to be equivalent to the Sinbad limestone member.

Locally within the area of this map the Kalibab limestone cannot be distinguished from the Moenkopi formation on aerial photographs. Therefore its distribution as shown must be considered unreliable.



PLANIMETRIC BASE MAP RECOMPILIED BY U. S. GEOLOGICAL SURVEY FROM SOIL CONSERVATION MAP 242.

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

STINKING SPRING CREEK QUADRANGLE

PHOTOGEOLOGY BY W. R. HEMPHILL
SCALE 1:24,000
FEBRUARY 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. 651, 1946 and Oil and Gas. Inv. Map CM 131, 1952. Geographic and geologic field data from U.S. Geol. Survey Bull. 651, 1946; Oil and Gas. Inv. Map CM 131, 1952; unpublished U. S. Geol. Survey maps; and personal communication from P. F. Narten and G. W. Weir. Maps of this series have been compiled mainly from photogeologic 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.

This map is preliminary and has not been edited or revised for conformity with U. S. Geological Survey standards and nomenclature.

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