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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

TRACE ELEMENTS MEMORANDUM REPORT 956



EXPLANATION

- Qs Surficial deposits
 - Jc Carmel formation
 - Jn Navajo sandstone
 - jk Kayenta formation
 - Timos Moenave formation
 - Timad Springdale sandstone member, Timos
 - Timod Dinosaur Canyon sandstone member, Emad
 - Tcp Chinle formation
 - Tcs Petrified Forest member, Tsp
 - Tcs Shinarump member, Tcs
 - Em Moenkopi formation
 - Pk Kaibab limestone
 - Pt Toroweap formation
 - s Slump blocks of Triassic and Jurassic rocks
- 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
 Resistant bed within a formation
 May be traceable only locally
 Fault
 U, upthrown side, D, downthrown side.
 Dashed where approximately located, dotted where concealed, Questioned where probable.
 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.
 Strike of vertical beds
 Based on photointerpretation.
 Strike of approximately vertical joints
 Based on photointerpretation.
 Linear feature uninterpretable on photograph
 May be geologically significant.
 Reservation boundary
 Primary road
 Secondary road
 Trail

T. 40N.
T. 39N.

TANNER WASH NW

Base map modified from U. S. Geological Survey preliminary topographic map, Lees Ferry SE quadrangle, Arizona.
 The aerial photographs used for photogeologic interpretation were taken in September 1962.
 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
LEES FERRY
15-MINUTE QUADRANGLE

PHOTOGEOLOGIC MAP
OF THE
LEES FERRY SE QUADRANGLE
COCONINO COUNTY, ARIZONA

By
Kathleen McQueen

Scale 1:24,000
March 1956

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 Geol. Soc. America Mem. 61, 1954; Carnegie Inst. Washington Pub. 492, 1938; and U. S. Geol. Survey Prof. Paper 164, 1931. Geographic and geologic field data from U. S. Geol. Survey prelim. topog. map, Lees Ferry SE quadrangle, Ariz., and unpublished field data.

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