



EXPLANATION

- Valley fill and alluvium, Qal; covering deposits (largely wind-blown sand), undifferentiated, Qc QUATERNARY
- Salt Wash sandstone member of the Morrison formation Jms
- Summerville formation Js
- Curtis formation Jcu
- Entrada sandstone Je
- Carmel formation Jc
- Navajo sandstone Jn
- Kayenta formation Jk
- Wingate sandstone Jw
- Chinle formation Jc
- Shinarump conglomerate Js
- Moenkopi formation Unit 4, Rm<sup>4</sup>; unit 3, Rm<sup>3</sup>; unit 2, Rm<sup>2</sup>; unit 1, Rm<sup>1</sup> TRIASSIC
- Kaibab limestone Pk PERMIAN
- Coconino sandstone Pco

- 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)
- Fault (U, upthrown side; D, downthrown side. Dashed where approximately located)
- Probable or doubtful fault
- Anticline Showing trace of axial plane and direction of plunge (Dashed where approximately located)
- Syncline Showing trace of axial plane and direction of plunge (Approximately located)
- Strike and dip of beds (Based on field measurement)
- Strike and dip of beds (Based on photo-interpretation)
- Inferred strike and dip of beds (Based on photo-interpretation)
- Strike of approximately vertical joints (Based on photo-interpretation)
- Primary road
- Secondary road
- Trail
- Fence

PHOTOGEOLOGIC MAP  
TIDWELL-5  
EMERY COUNTY, UTAH  
PHOTOGEOLOGY BY P. P. ORKILD,  
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH  
SCALE 1:24,000  
MAY 1963

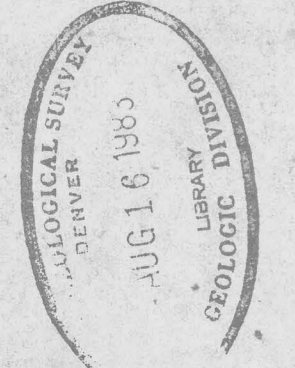
Roads as classified in this map series are as follows: Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable possibly by two-wheel-drive vehicles; trails are not traversable by four-wheel-drive vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

Stratigraphic column for this area modified from U. S. Geol. Survey Bull. 99, 1946.

Note: On aerial photographs the Moenkopi formation in this area of the San Rafael Swell region can be divided into four units, Unit 2 is covered in this quadrangle, but is known to be present in adjoining areas.

PLEASE RETURN TO BACK COVER VOLUME

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
6	7	8	
12	11	10	9
13	14	15	16

TIDWELL QUADRANGLE

(200)  
T. 22 S.  
R. 14 E.  
NO. 642