



EXPLANATION:

SEDIMENTARY ROCKS

Alluvium, Qal; covering deposits undifferentiated, Qc (includes wind-blown sand, residual material, and wash derived from Entrada sandstone, Carmel formation, and diabase)

Upper
Middle and Upper
Lower

- Je
Entrada sandstone
- Jc
Carmel formation
- Jn
Navajo sandstone
- Jk
Kayenta formation
- Jw
Wingate sandstone
- Rc
Chinle formation
- Rs
Shinarump conglomerate
- Rm3
Upper unit, Moenkopi formation

IGNEOUS ROCKS

- Ti
Diabase dike
- Compacted diabase and syenite sills

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
(U, upthrown side; D, downthrown side)
(Dashed where approximately located)

Probable or doubtful fault

Probable anticline
Showing trace of axial plane and direction of plunge

Syncline
Showing trace of axial plane and direction of plunge
(Dashed where approximately located)

Strike and dip of beds
(Based on field measurement)

Strike and dip of beds
(Based on photo-interpretation)

Strike of approximately vertical joints
(Based on photo-interpretation)

Secondary road

Trail

Note: On aerial photographs the Moenkopi formation in the San Rafael Swell region can be divided into three units; no correlation with subdivisions of the Moenkopi formation in other areas is implied. Only unit 3 is present in the area of this map. The contacts of the Kayenta formation with the Wingate and Navajo sandstones do not join these contacts as mapped on Stinking Spring Creek-12, owing to a reinterpretation of the stratigraphic position of the Kayenta formation.

PLANIMETRIC BASE MAP COMPILED FROM VERTICAL AERIAL PHOTOGRAPHS BY U. S. GEOLOGICAL SURVEY BY RADIAL TEMPLATE METHOD

4	3	2	1
5	6	7	8
9	10	11	12
13	14	15	16

EMERY QUADRANGLE

PHOTOGEOLGIC MAP
EMERY-9
EMERY COUNTY, UTAH
PHOTOGEOLGY BY W. H. CONDON
PHOTOGEOLGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000
APRIL 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.

Stratigraphic column for this area modified from U. S. Geol. Survey Bull. 806C, 1929