



SEDIMENTARY ROCKS

Upper	Jc	Summerville formation	JURASSIC
	Jcu	Curtis formation	
	Je	Entrada sandstone	
Middle	Jc	Carmel formation	
Lower	Jn	Navajo sandstone	JURASSIC (?)
	Jk	Kayenta formation	
	Jw	Wingate sandstone	
	Rc	Chinle formation	TRIASSIC
	Ts	Shinarump conglomerate	
	Rm	Upper unit, Moenkopi formation	

IGNEOUS ROCKS

	Ti	Diabase dikes	TERTIARY
	Tis	Composite sills of diabase and syenite	

Contact  
(Can be accurately located within 30 feet horizontal)

Contact  
(Can be approximately located within 30 to 200 feet horizontal)

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

Anticline  
Showing trace of axial plane and direction of plunge  
(Approximately located)

Syncline  
Showing trace of axial plane and direction of plunge  
(Approximately located)

Strike and dip of beds  
(Based on field measurements)

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

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

Uninterpretable linear feature on photograph  
(May be geologically significant)

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. In the west-central part of this map some of the apparently overlying the composite sill and may be Carmel formation may actually be the light-colored, syenitic phase of the sill. In the northeast part of this map, on Heep Mountain and other areas to the west, some ridges and slopes are covered with talus or wash of dark igneous rock. This dark material caps minor ridges at considerable distances from the hills and apparently precludes present drainage. The linear features shown south of Heep Mountain probably represent silted zones. The contact of the Navajo sandstone formation does not join the striking Spring Creek-12 of the post-1922.

Planimetric base map compiled from vertical aerial photographs by U.S. Geological Survey by radial-templet methods. Horizontal control extended west from Soil Conservation Service Map No. 241.

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

EMERY QUADRANGLE

PHOTOGEOLOGIC MAP  
EMERY-16  
EMERY COUNTY, UTAH  
PHOTOGEOLOGY BY W. H. CONDON  
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH  
SCALE 1:24,000

DECEMBER 1952

Stratigraphic column modified from U.S. Geol. Survey Bull. 806-C, 1929.