

EXPLANATION	
Qeal	Eolian and alluvial sand and silt Light-brown, red, and grayish-yellow wind-deposited sand and silt in thin sheetlike deposits covering tops of mesas and plateaus, more rarely in small inactive dunes; eolian material generally reworked in part by water and grades into stream-deposited sand and silt in valley bottoms. (Locally derived loose sand covering Navajo sandstone not mapped.)
Qt	Talus Slide-rock in cone-shaped heap derived from Entrada sandstone.
Qgy	Younger gravel Alluvial gravels composed chiefly of rounded cobbles of sedimentary rocks of Jurassic and Cretaceous age, and of igneous rocks of Tertiary age derived from the Abajo Mountains. Found in and bordering modern stream valleys.
Qro	Older rubble Irregular heaps and patches of mass-moved blocks composed chiefly of resistant quartzite and sandstone of Cretaceous age and chert of Jurassic age.
Qlo	Older landslide Partially preserved irregular landslide deposits on Rose Bailey Mesa and bordering cliffs; composed chiefly of blocks of resistant sandstone and quartzite of Cretaceous age; in places with a plastic claystone matrix; in part caliche cemented.
Jms	Morrison formation Salt Wash member, the lower part of the Morrison formation, is composed of light-brown lenticular sandstone interbedded with reddish mudstone and contains thin limestone or chert beds at the base. The upper part of the Salt Wash member, in which uranium-vanadium deposits occur in adjacent quadrangles, removed by erosion in this quadrangle.
Js	Summerville formation Reddish thin-bedded mudstone with persistent zone of masses of red and white chert near top of formation.
Je	Entrada sandstone Grayish-yellow, red, and brown crossbedded fine-grained sandstone.
Jc	Carmel formation Red siltstone and fine-grained sandstone, in places with basal layer of dark yellow-brown sandstone of reworked Navajo with scattered gray chert fragments; contact with overlying Entrada sandstone gradational and in places indefinite. May correlate wholly or in part with lower part of Entrada sandstone of east-central and southeastern-most Utah and Arizona.
Jn	Navajo sandstone White and grayish-yellow crossbedded fine-grained sandstone with a few thin lenses of gray sandy limestone.
Jk	Kayenta formation Red and purplish-red fine- to coarse-grained crossbedded sandstone irregularly interbedded with red siltstone. Upper and lower contacts gradational and intertonguing; commonly indefinite and arbitrary.
Jw	Wingate sandstone Grayish-orange to reddish-brown fine-grained crossbedded sandstone.
Jc	Chinle formation Red, light-brown, and gray sandstone and conglomerate; red, purplish-red, and greenish-gray mudstone.
Contact (Dashed where approximately located; short dashes where inferred or indefinite boundaries of surficial deposits)	
Syncline (Showing trace of axial plane and bearing and plunge of axis)	
Strike and dip of beds	
Structure contours 6500	
Drawn on base of Morrison formation; short dashes indicate projection above surface. Arrow indicates direction of dip. Contour interval 100 feet. Datum is mean sea level.	
⊕	Horizontal beds
⊗	Gravel pit

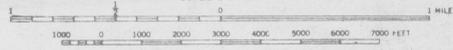
Base map by Topographic Division,  
U.S. Geological Survey, 1954

Geology by G.W. Weir and C.L. Dodson,  
assisted by I.G. Hendrickson and  
L.F. Emmett, 1955

PRELIMINARY GEOLOGIC MAP OF THE MT. PEALE 3 NW QUADRANGLE, SAN JUAN COUNTY, UTAH

BY  
GORDON W. WEIR AND CHESTER L. DODSON

SCALE 1:24000



CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL

