Geologic Map of Scotts Bluff National Monument

Nebraska

National Park Service
U.S. Department of the Interior

Geologic Resources Inventory
Natural Resource Stewardship and Science

SCOTTSBLUFF

North Overlook
4649ft
1417m

South Overlook

Visitor Center

Eagle Rock

Sentinel Rock

Crown Rock

Dome Rock

Scotts Spring

Old Oregon Trail

BADLANDS

SCOTTS BLUFF

SOUTH BLUFF

North
0 1 Kilometers
0 1 Miles

NPS Boundary

Point of Interest

Geologic Point Features

individual spring

Roads

Railroads

Linear Geologic Units

Tbrwu - Brule Formation, upper Whitney tuff (Oligocene), known or certain

Tbrwl - Brule Formation, lower Whitney tuff (Oligocene), known or certain

Tbror - Brule Formation, Orella Member, base of the red mudstone beds (Oligocene), known or certain

Tbrog - Brule Formation, Orella Member, green mudstone marker bed (Oligocene), known or certain

Tbrow - Brule Formation, Orella Member, lower white carbonate nodule bed (Oligocene), known or certain

Geologic Contacts

known or certain

approximate

inferred

map boundary

Geologic Units

Qcrs	Concrete retaining surface (Holocene)
Qaf	Artificial fill (Holocene)
Qa	Modern alluvium, post-1900 (Holocene)
Qrf	Recent rock falls (Holocene)
Qnpa	North Platte alluvium (Holocene)
Qs	Sand dune deposits (Holocene)
Qc	Colluvium deposits (Holocene)
Qlo	Loess deposits (lower Holocene and Pleistocene?)
Qal	Alluvium and valley fill deposits (lower Holocene and Pleistocene?)
Tmh	Monroe Creek and Harrison Formations, undivided (Miocene and early Miocene)
Tg	Gering Formation (late Oligocene)
Tbrw	Brule Formation, Whitney Member (Oligocene)
Tbro	Brule Formation, Orella Member (Oligocene)
Tbros	Brule Formation, Orella Member, sandstone ribbon deposits (Oligocene)



Eagle Rock. NPS Photograph.

This map displays geologic map data compiled by the National Park Service Geologic Resources Inventory.
It is not a substitute for site-specific investigations.

Source Maps
Swinehart, J.B. and R.F. Diffendal, Jr. 1997. Geologic map of the Scottsbluff 1 degree x 2 degree quadrangle, Nebraska and Colorado (scale 1:250,000). Geologic Investigations Series Map I-2545. US Geological Survey, Reston, Virginia.

Evanoff, E. 2014. Draft geologic map of Scotts Bluff National Monument, Nebraska (scale 1:24,000). Unpublished map. University of Northern Colorado, Greeley, Colorado.

Source Scales 1:24,000 and 1:250,000. According to US National Map accuracy standards, features are within 12 m (40 ft) (1:24,000) and 127 m (416 ft) (1:250,000 scale) of their true location.

Poster Layout: Georgia Hybels (Colorado State University). **Poster Date:** October 2018

All Geologic Resources Inventory geologic map data and publications are available at http://go.nps.gov/gripubs.