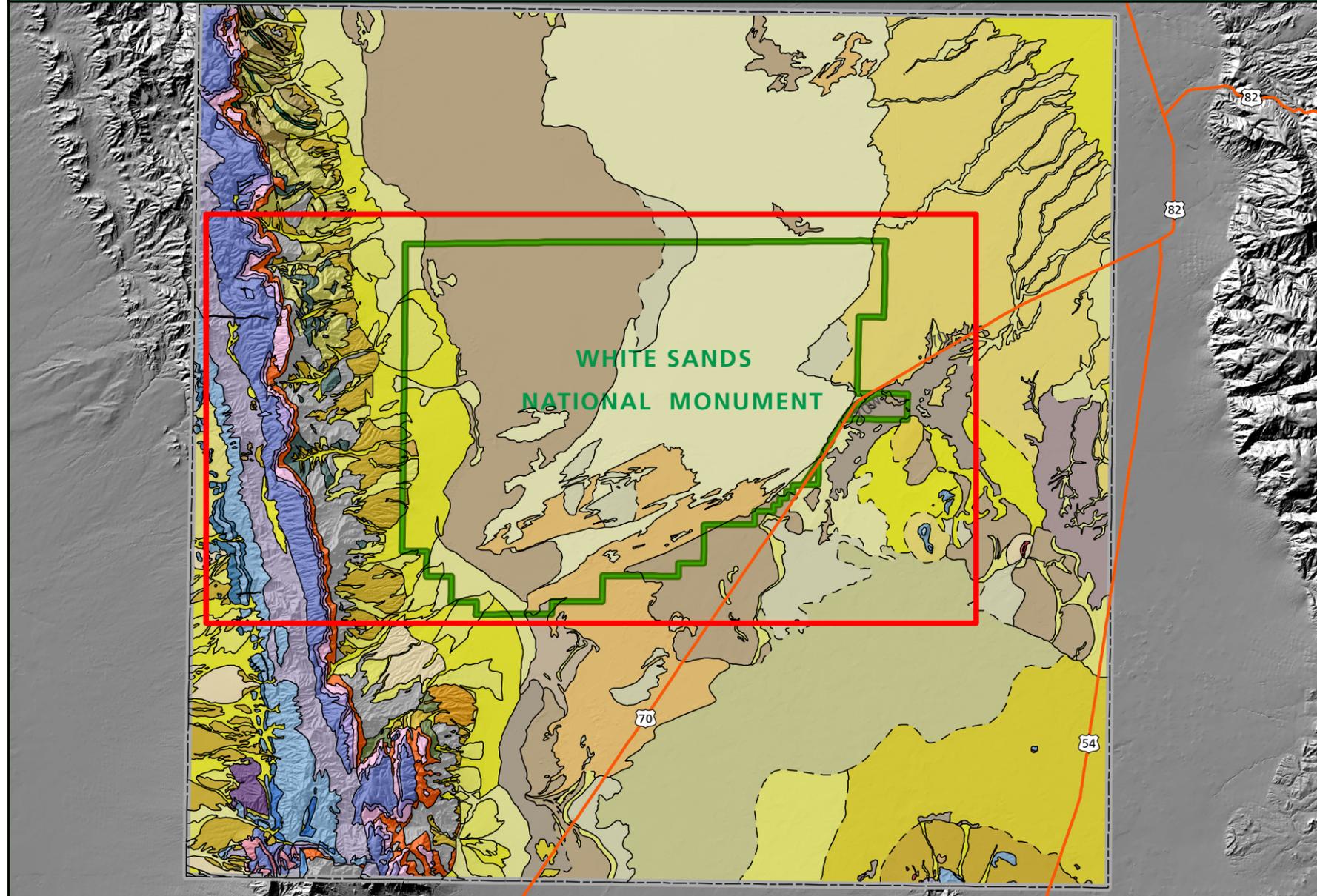




Overview of Digital Geologic Data for White Sands NM

Full Extent of Digital Geologic Data, Area of Detail in Red



Geologic Units

- | | |
|--|---|
| Qpy - Younger piedmont-slope deposits | TKru - Sarten and Dakota Sandstone with unknown rocks, undifferentiated |
| Qpa - Qpy amnd Qpo, undifferentiated | PZu - Paleozoic rocks, undifferentiated |
| Qpa + Qegs - Qpy and Qegs, undifferentiated | Ps - San Andres Formation |
| Qpa/Qpu - Qpa units overlying Qpu units, undifferentiated | Psy - San Andres Formation and Yeso Formation, undivided |
| Qbf - Basin-floor sediments | Py - Yeso Formation |
| Qbf/Qlg - Qbf overlying Qlg | Pya - Yeso (?) beds and Abo Formation |
| Qbf/Qpg - Qbf overlying Qpg | Pa - Abo Formation |
| Ql - Deposits of small, non-alkaline playa lakes and depressions | Ph - Hueco Formation |
| Qlg - Gypsiferous lake deposits in the Tularosa Basin | PNps - Panther Seep Formation |
| Qegs - Eolian deposits associated with Tularosa Basin lakes | PNlc - Lead Camp Limestone |
| Qegs/Qpg - Qegs overlying Qpg | PNls/ls? - Lead Camp Limestone overlying ls? |
| Qegs + Qbfg - Qegs and Qbfg, undifferentiated | MDr - Mississippian and Devonian Rocks, undifferentiated |
| Qegs/Ph? - Qegs overlying Ph? | SOfm - Fusselman Dolomite and Montoya Group, undivided |
| Qega - Active gypsum dunes | OCeb - El Paso Group and Bliss Sandstone, undivided |
| Qes - Eolian quartz sand | PCg - Precambrian rocks, granite |
| Qes/Qpu - Qes overlying Qpu units | PCq - Precambrian rocks, quartzite |
| Qes/Qbfg - Qes overlying Qbfg | PCs - Precambrian rocks, schist and phyllite |
| Qes/Qcl - Qes overlying Qcl | PCa - Precambrian rocks, amphibolite |
| Qpo - Older piedmont-slope deposits | PCmd - Precambrian rocks, metadiabase |
| Qpu - Qpo and Qcp, undifferentiated | PCgn - Precambrian rocks, gneiss |
| Qpg - Older gypsiferous basin-floor and distal piedmont slope deposits | |
| Qbfg - Older gypsiferous basin-floor deposits and lake beds | |
| Qegi - Inactive gypsum dunes | |
| Qb - Olivine basalt | |
| Qcp - Camp Rice Formation, piedmont-slope facies | |
| QTcu - Qcp and QTcc, undifferentiated | |
| Qcl - Camp Rice Formation, sediments associated with La Mesa surface | |
| QTcc - Camp Rice Formation, fanglomerate facies | |
| Tii - Intermediate-composition plutonic rocks | |
| Tri - Non-foliated rhyolite intrusives | |
| Tis - Silicic plutonic rocks | |
| Tlr - Love Ranch Formation | |

NPS Boundary



Folds

- anticline, known or certain, dashed where approximate or inferred
- syncline, known or certain, dashed where approximate
- overturned syncline, known or certain
- monocline, known or certain

Faults

- thrust fault, known or certain, dashed where approximate, teeth on upthrown side
- normal fault, known or certain, dashed where approximate or inferred, dotted where concealed bar and ball on downthrown side
- unknown offset/displacement, known or certain, dashed where approximate or inferred

Geologic Contacts

- known or certain, dashed where approximate or inferred
- quadrangle boundary

These figures are an overview of compiled digital geologic and geomorphic data. It is not a substitute for site-specific investigations.

Minor inaccuracies may exist regarding the location of geologic features relative to other geologic or geographic features on the figure. Based on the source map scale (1:125,000) and U.S. National Map Accuracy Standards, geologic features represented here are within 63 meters / 203 feet (horizontally) of their true location.

This figure was prepared as part of the NPS Geologic Resources Division's Geologic Resources Inventory. The source map used in creation of the digital geologic data product was:

Seager, W.R., J.W. Hawley, F.E. Kottowski, and S.A. Kelley. 1987. Geology of East Half of Las Cruces and Northeast El Paso 1° x 2° Sheets, New Mexico (scale 1:125,000). Geologic Map 57. New Mexico Bureau of Mines and Mineral Resources.

Digital geologic data and cross sections for White Sands National Monument, and all other digital geologic data prepared as part of the Geologic Resources Inventory, are available online at the NPS Integrated Resource Management Applications Portal (IRMA): <https://irma.nps.gov/App/Reference/Search>. (Enter "GRI" as the search text and select White Sands National Monument from the unit list.)