



# Geologic Map of Devils Tower NM

**Devils Tower National Monument**

**Geologic Attitude Observation Localities**

- strike and dip of beds
- U upthrown side of fault
- D downthrown side of fault
- anticline
- syncline

**Mine and Mine Related Point Features**

- X uranium prospect
- uranium mine
- dry hole

**Structure Contour Lines, top of Fall River Formation (Kr)**

- known or certain
- approximate
- inferred

**Structure Contour Lines, base of Fall River Formation (Kr)**

- known or certain
- approximate
- concealed

**Structure Contour Lines, base of Hulett Sandstone (Jsh)**

- known or certain
- approximate
- inferred

**Folds**

- anticline, known or certain
- syncline, approximate

**Faults**

- unknown offset/displacement fault, know or certain
- unknown offset/displacement fault, approximate

**Linear Geologic Units**

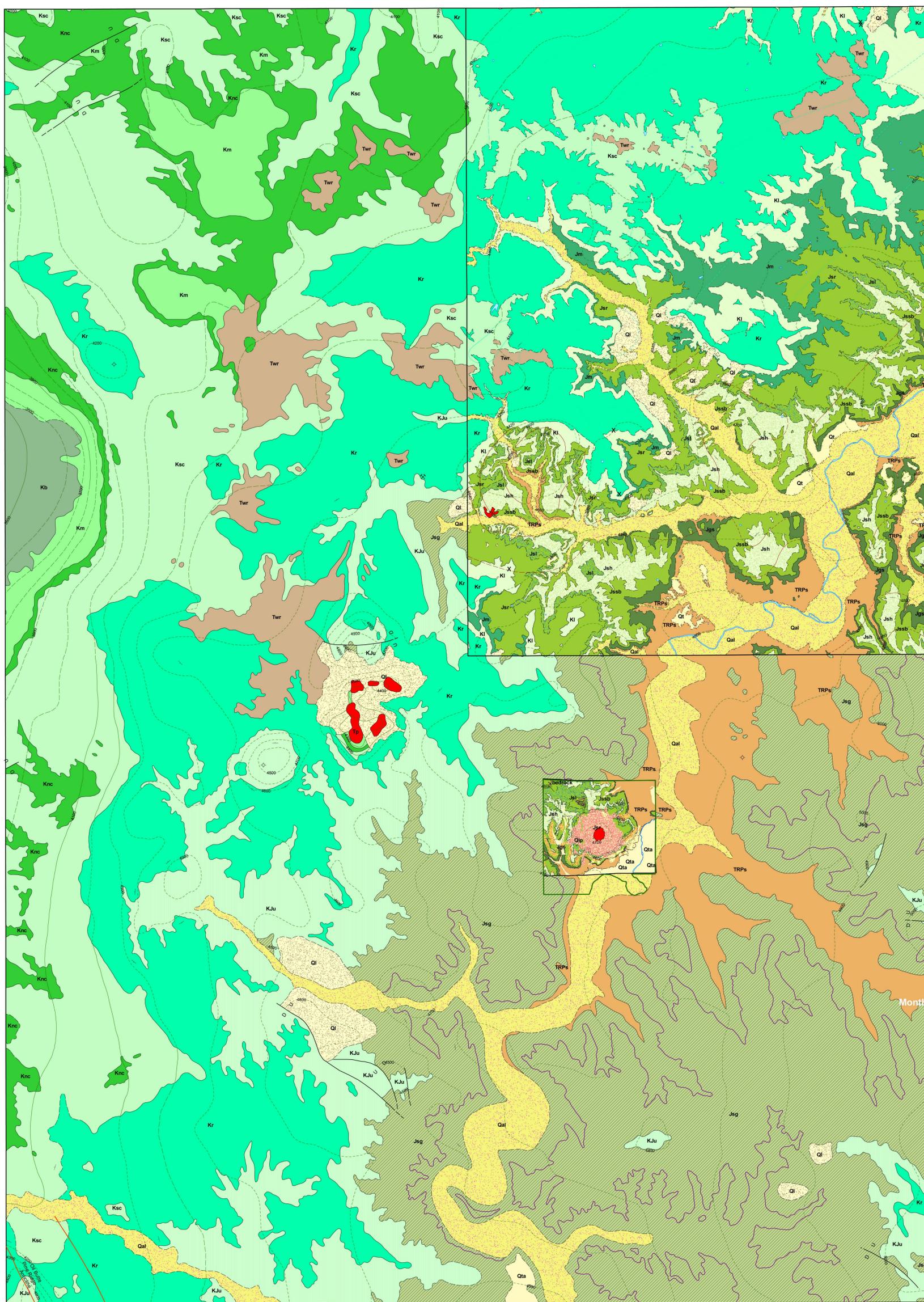
- Jsr1s - limestone beds, Redwater Shale Member of the Sundance Formation
- Jsh - top of Hulett Sandstone Member of the Sundance Formation

**Geologic Contacts**

- known or certain
- approximate
- concealed
- queried
- concealed, queried
- inferred
- quadrangle boundary
- map boundary
- water/shoreline

**Geologic Units**

- Qta - stream terrace deposits and alluvium, undifferentiated
- Ql - talus and landslide material
- Qlp - talus and landslide material, chiefly phonolite
- Qls - talus and landslide material, chiefly Hulett Sandstone
- Qta - stream terrace deposits and alluvium undifferentiated
- Qal - alluvium
- Ql - landslide
- Qt - terrace alluvium
- Twr - White River Formation
- TP - phonolite
- Kb - Belle Fourche Shale
- Km - Mowry Shale
- Knc - Newcastle Sandstone
- Ksc - Skull Creek Shale
- Kr - Fall River Formation
- Kl - Lakota Formation
- KJu - Fuson, Lakota, and Morrison Formations, undifferentiated
- Jm - Morrison Formation
- Jsr - Sundance Formation, Redwater Shale Member
- Jsl - Sundance Formation, Lak Member
- Jsh - Sundance Formation, Hulett Sandstone Member
- Jsb - Sundance Formation, Stockade Beaver Shale Member
- Jsg - Sundance and Gypsum Spring Formations, undifferentiated
- Jgs - Gypsum Spring Formation
- TRPs - Spearfish Formation
- water



This map graphically presents digital geologic data prepared as part of the NPS Geologic Resources Division's Geologic Resource Evaluation Program. The source maps used in creation of the digital geologic data product were:

Robinson, C. S. 1956. *Geologic Map of Devils Tower National Monument, Wyoming*. Scale 1:48,000. U.S. Geological Survey Bulletin 1021-L. Reston, VA: U.S. Geological Survey.

Izett, Glen A. 1963. *Geologic Map of the Storm Hill Quadrangle, Wyoming*. Scale 1:24,000. U.S. Geological Survey, Miscellaneous Geologic Investigations Map I-372. Reston, VA: U.S. Geological Survey.

Mapel, W.J., C.S. Robinson, and P.K. Theobald. 1959. *Geologic and structure contour map of the northern and western flanks of the Black Hills, Wyoming, Montana, and South Dakota*. Scale 1:96,000. U.S. Geological Survey Oil and Gas Investigations Map OM-191. Reston, VA: U.S. Geological Survey.