

Geologic Map of Devils Tower NM

Devils Tower National Monument

Geologic Attitude Observation Localities

strike and dip of beds

upthrown side of fault

downthrown side of fault

anticline

syncline

Mine and Mine Related Point Features

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

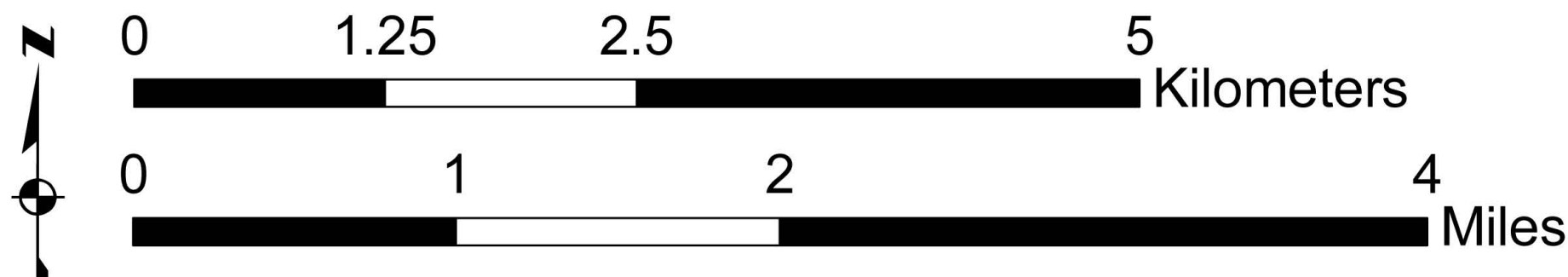
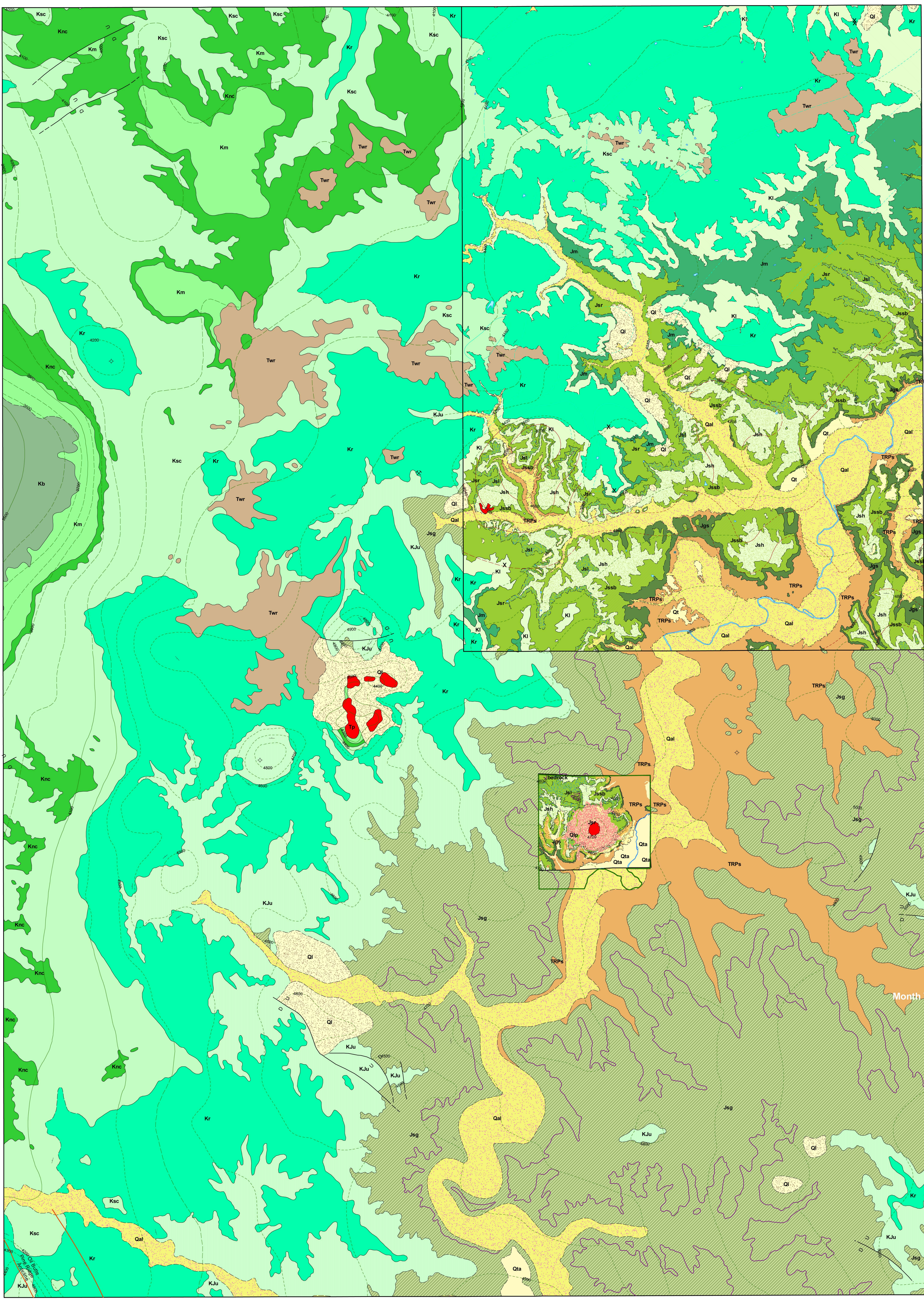
Jssb - Sundance Formation, Stockade Beaver Shale Member

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-I. 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.