

Geology - Interpreting the past to provide for the future



Prepared in cooperation with the  
U.S. GEOLOGICAL SURVEY



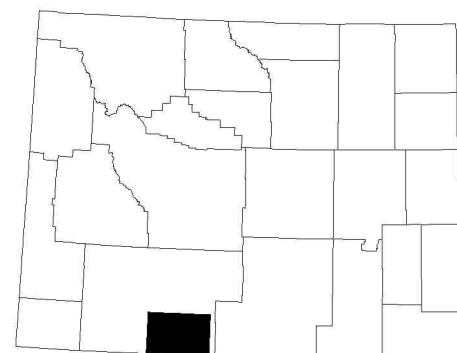
EXPLANATION  
CLASSIFICATION AND DESCRIPTION OF MAP UNITS

- Alluvial deposits**
- Alluvium**
- Alluvium and alluvium with scattered eolian deposits and/or residuum (101) (a, ac, aer, are, ea car)
  - Shallow alluvium mixed with scattered bedrock outcrops and eolian deposits (103) (aRe)
- Alluvial fan deposits**
- Alluvial fan deposits and alluvial fan deposits mixed with scattered deposits of alluvium, eolian deposits, and/or slopewash (201) (f, fa, fe, sf, sfa, sfo)
  - Alluvial fan deposits grading into bench deposits (202) (fb)
  - Dissected alluvial fan deposits that grade into bench deposits or terrace deposits (203) (fbd)
- Bench deposits**
- Dissected bench deposits with scattered deposits of slopewash (402) (bds)
- Eolian deposits**
- Eolian deposits and eolian deposits mixed with residuum and/or slopewash or alluvium (701) (e, er, em, es)
  - Eolian deposits mixed with scattered residuum and bedrock outcrops and/or slopewash (703) (erR, erRr)
- Landslide deposits**
- Landslide deposits and landslide deposits mixed with slopewash (801) (l, ls)
- Mesa**
- Mesa caprock covered by residuum and/or eolian deposits (901) (rm, rme)
- Slopewash**
- Slopewash mixed with alluvium, residuum, and/or eolian deposits (1101) (as, esa, sa, sac, sr, sra)
  - Slopewash mixed with scattered bedrock outcrops and residuum, alluvium, eolian, and alluvial fan deposits (1102) (saR, saRe, sRr, srR, srRr)
- Colluvium**
- Colluvium mixed with scattered bedrock outcrops and slopewash (1202) (csR)
- Residuum**
- Residuum mixed with eolian deposits; residuum mixed with eolian deposits and alluvium or slopewash; and residuum mixed with slopewash and alluvium (1401) (rae, re, rsa, rse)
  - Residuum mixed with scattered bedrock outcrops and alluvium, slopewash, and/or eolian deposits (1402) (raR, rRe, rRs, rsR, srR, rse, rRe)
- Bedrock**
- Bedrock mixed with eolian deposits or slopewash; bedrock mixed with slopewash and eolian deposits or colluvium or residuum; and bedrock mixed with colluvium, slopewash, and residuum (1501) (Re, Rcsr, Re, Rrs, Rs, Rse)
  - Bedrock with a thin mantle of eolian deposits or residuum, and/or alluvium and slopewash (1502) (eaR, cR, cRa, cSR, rR)
- Mined areas**
- Open pit mine/quarry (1710) (M)

Yellowstone National Park N	Cody HSDM 09-3	Powell HSDM 09-3	Burgess Junction HSDM 01-2	Shoshone HSDM 09-5	Recluse CFR 01-1 USGS C-81-F	Devils Tower HSDM 01-3
Yellowstone National Park S	Carter Mountain	Basin CFR 03-4	Worldend HSDM 09-4	Buffalo HSDM 00-2	Gillette CFR 01-2 USGS C-105	Sundance HSDM 06-5
Jackson Lake	The Ramshorn	Thermopsis	Nowater Creek CFR 04-3	Keyace HSDM 00-4	Reno Junction CFR 01-4 USGS C-106	Newcastle HSDM 01-6
Jackson	Gannett Peak	Riverton	Lysite	Midwest SMP 03-2	Bill CFR 03-7	Lance Creek HSDM 01-4
Altun	Piedra SMP 08-4 SMP 08-2	Lander SMP 08-2 CFR 08-3	Rattlesnake Hills	Casper HSDM 08-3	Douglas HSDM 01-5	Lusk HSDM 01-5
Fontenelle Reservoir	Parson SMP 08-4	South Pass	Beauregard	Shirley Basin SMP 08-1	Laramie Peak CFR 05-3	Torrington HSDM 09-6
Kemmerer USGS C-102	Rock Springs USGS C-102	Red Desert Basin	Rowles HSDM 08-6	Medicine Bow CFR 06-4	Rock River CFR 06-3	Chugwater CFR 06-4
Everton USGS C-103	Frederick Canyon CFR 08-2	Kinney Rim CFR 08-1	Baggs CFR 08-3	Saratoga CFR 08-2	Laramie HSDM 08-5	Cheyenne HSDM 08-4

**KEY TO ABBREVIATIONS**  
U.S. Geological Survey maps: Coal Investigations Series (C), Wyoming State Geological Survey maps: Open File Report (OFR), Hazards Section Digital Map (HSDM), and unpublished STATEMAP project (SMP).

INDEX TO 1:100,000-SCALE SURFICIAL GEOLOGIC MAPS  
OF WYOMING



WYOMING QUADRANGLE LOCATION

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Base map from U.S. Geological Survey 1:100,000-scale metric topographic map of the Kinney Rim, Wyoming-Colorado Quadrangle, 1960.

Projection: Universal Transverse Mercator (UTM), zone 12  
North American Datum of 1927 (NAD 27)  
10,000-meter grid ticks: UTM, zone 12  
25,000-foot grid ticks: Wyoming State Plane Coordinate System, west central zone.

0 1 2 4 6 8 10 12 14 16 18 20 Kilometers

0 1 2 4 6 8 10 12 Miles

SCALE 1:100,000  
Contour interval 20 meters

0 1,000 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000 Meters

0 2,500 5,000 10,000 15,000 20,000 25,000 30,000 35,000 40,000 45,000 50,000 55,000 60,000 65,000 Feet

PRELIMINARY SURFICIAL GEOLOGIC MAP OF THE KINNEY RIM 30' x 60' QUADRANGLE, SWEETWATER COUNTY,  
WYOMING AND MOFFAT COUNTY, COLORADO

by

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2009

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