

- EXPLANATION**
- DESCRIPTION AND CLASSIFICATION OF MAP UNITS**
- Alluvial deposits**
- Alluvium (a) mixed with colluvial deposits (ae), colluvial deposits and minor components of residuum (aer), or residuum and minor colluvial deposits (are)
  - Alluvium and terrace deposits with minor components of colluvial deposits (ate)
  - Alluvium and slopewash with minor components of colluvial deposits (ase), or shallow alluvium mixed with scattered bedrock outcrops and minor components of colluvial deposits (are)
- Alluvial fans**
- Alluvial fan deposits and colluvial deposits (afe), alluvial fan deposits mixed with slopewash (afa), or alluvial fan deposits mixed with slopewash and colluvial deposits (afe)
  - Dissected alluvial fan deposits mixed with slopewash (afd), or mixed with slopewash and residuum (sfdR)
- Terrace deposits**
- Terrace deposits (t) mixed with scattered colluvial deposits (te)
  - Dissected terrace deposits mixed with residuum and colluvial deposits (tdre)
  - Shallow terrace deposits mixed with residuum and scattered colluvial deposits (tre)
- Structural terrace deposits**
- Structural terrace/terrace deposits with residuum (rT)
- Bench deposits**
- Bench deposits (b) with scattered colluvial deposits (be)
  - Dissected bench deposits mixed with slopewash (bds)
- Mesa deposits**
- Mesa caprock mixed with a thin cover of residuum and/or colluvial deposits (rme)
- Playa lake deposits**
- Playa lake, playa lake deposits (p), playa lake deposits mixed with colluvial deposits (pe), and alluvium (aep, eap)
- Colluvial deposits**
- Colluvial deposits (c) mixed with residuum (er), and/or alluvial deposits (ea, ear, era), or slopewash (ers), or colluvial deposits mixed with slopewash and residuum (esr)
  - Colluvial deposits and residuum with minor bedrock outcrops (erR)
- Landslide deposits**
- Landslides (l) mixed with slopewash (ls)
- Slopewash**
- Slopewash and alluvium (sa), mixed with colluvial deposits (sae), residuum (sra), or slopewash mixed with residuum and colluvial deposits (sre)
  - Slopewash mixed with scattered bedrock outcrops and residuum (sRr), alluvium (saRr), alluvial fan deposits (saRr), residuum and colluvium (sRrR), residuum and colluvial deposits (sRrR), or alluvium and colluvial deposits (saRr)
- Colluvium**
- Colluvium mixed with slopewash and scattered bedrock outcrops (esR)
- Residuum**
- Residuum (r) mixed with colluvial (re), alluvium and colluvial deposits (rae), scattered bedrock (rR), slopewash (rs), slopewash with alluvium and/or colluvial deposits (rsa, rsaR, rse)
  - Residuum mixed with slopewash and scattered bedrock outcrops (rsR), with colluvial deposits (rRr), alluvium and colluvial deposits (raRr), or slopewash with colluvial deposits (rsRr, rRr)
  - Grus mixed with scattered bedrock outcrops and slopewash (wsR), or colluvial deposits (rRr)
- Bedrock outcrops**
- Bedrock outcrops with slopewash (Ro) and residuum (Rr), or residuum and colluvial deposits (RrR), minor components of colluvium and slopewash (RrR), or slopewash, colluvium and residuum (RrR)
  - Bedrock with a thin mantle of colluvial deposits (eR) and slopewash (esR), or zolluvial deposits (caR, RaC)
- Volcanic—Remnants from Quaternary volcanic activity**
- Volcanic dissected (vd)
- Disturbed ground**
- Mined areas (M)
- Water feature**
- Lake or reservoir
- Approximate contact**

Base map from U.S. Geological Survey 1:100,000-scale metric topographic map of the Red Desert Basin, Wyoming Quadrangle, 1980  
Base data derived from a U.S. Geological Survey file of the National Elevation Dataset (NED); 10-meter Digital Elevation Model (DEM), 2013; azimuth 310°, sun angle 45°, vertical exaggeration 1.4  
Projection: Universal Transverse Mercator (UTM), zone 12  
North American Datum of 1927 (NAD 27)  
10,000-meter grid, UTM, zone 12  
25,000-foot grid ticks, Wyoming State Plane Coordinate System, west central zone  
National Geodetic Vertical Datum of 1929



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PRELIMINARY SURFICIAL PHOTOGEOLOGIC MAP OF THE RED DESERT BASIN 30' x 60' QUADRANGLE, SWEETWATER COUNTY, WYOMING

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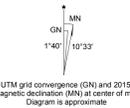
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compiled and mapped 1994 by  
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2015



Yellowstone National Park N	Coody	Powell	Burgess Junction	Shoshone	Reckon	Devils Tower
Yellowstone National Park S	Center Mountain	Basin	Wardell	Buttles	Gillette	Sundance
Jackson Lake	The Ramshorn	Thompsonville	Novelty Creek	Kayce	Nemo Junction	Newcastle
Jackson	Gardiner	Fiverson	Lysle	Milwest	Bill	Lance Creek
Alton	Pindeals	Lander	Rathbun	Casper	Douglas	Link
Fontainebleau	Faron	South Pass	Burns	Shelby Basin	Laramie Peak	Torrington
Kemmerer	Rock Springs	Red Desert Basin	Rawlins	Medicine Bow	Rock River	Chaparral
Evansville	Franklin Canyon	Kinney Rim	Biggs	Saratoga	Laramie	Chaparral

**KEY TO ABBREVIATIONS**

U.S. Geological Survey maps: Coal Investigation Series (USGS C); Wyoming State Geological Survey maps: Map Series (MS), Open File Report (OFR) and Hazards Section Digital Map (HSDM)

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