



Geology - Interpreting the past to provide for the future

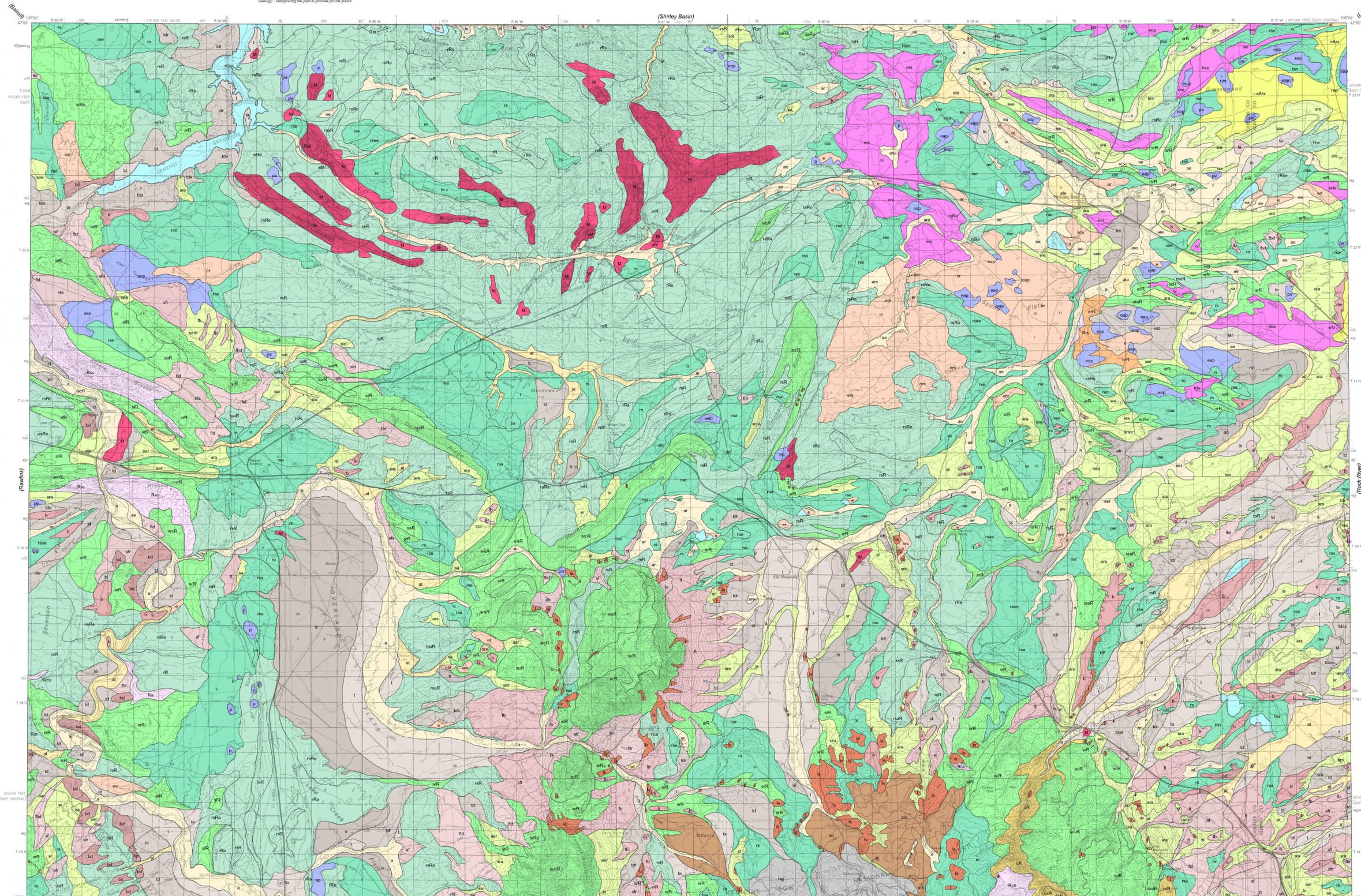


Prepared in cooperation with the  
U.S. GEOLOGICAL SURVEY



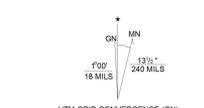
CLASSIFICATION OF MAP UNITS

- Alluvial Deposits**
- Alluvium
    - Alluvium and alluvium mixed with eolian deposits and/or residuum (101) (a, as, aer, ar, are)
    - Alluvium mixed with terrace deposits, with (scattered) eolian deposits (102) (at, ato)
  - Alluvial Fan Deposits
    - Alluvial fan deposits mixed with alluvium, slopewash, and residuum (201) (af, fs, ftr, sf, sfa, sfa)
    - Alluvial fan deposits grading into bench or terrace deposits mixed with slopewash, eolian deposits, and/or residuum (202) (fb, fe, ft, fir, sfd)
    - Alluvial fan deposits grading into dissected bench deposits or dissected terrace deposits (203) (fd, ftd)
    - Dissected alluvial fan deposits mixed with slopewash or residuum (204) (fir, ftd, sfd)
  - Old Alluvial Plain Deposits
    - Old alluvial plain deposits mixed with eolian deposits and residuum; old alluvial plain deposits and residuum resting on upturned and truncated bedrock (301) (cAr, cARs)
  - Bench Deposits
    - Bench deposits and bench deposits mixed with eolian deposits or residuum (401) (b, be, br)
    - Dissected bench deposits and dissected bench deposits mixed with slopewash (402) (bd, bds)
  - Terrace Deposits
    - Terrace deposits and terrace deposits mixed with alluvium, eolian deposits, residuum, and/or slopewash (601) (et, t, ta, tar, te, ts)
    - Dissected terrace deposits and dissected terrace deposits mixed with alluvium and/or eolian deposits or residuum (602) (etd, td, tde, tdr, tdr)
    - Shallow terrace deposits with residuum and/or eolian deposits (603) (tr, tre)
    - Dissected shallow terrace deposits and dissected shallow terrace deposits / structural terrace mixed with residuum and/or eolian deposits (604) (rd)
  - Eolian Deposits
    - Eolian deposits, eolian deposits mixed with alluvium or residuum, and eolian deposits mixed with residuum and either terrace deposits, alluvium, or slopewash (701) (e, ea, er, era, ers, ert, esr, etr)
    - Eolian deposits mixed with scattered bedrock outcrops and residuum (703) (eR)
  - Landslide Deposits
    - Landslides and landslides mixed with slopewash (801) (l, ls)
  - Playa Lake and Playa Lake Deposits
    - Playa lake, playa lake deposits, and playa lake deposits mixed with alluvium, eolian deposits, and/or residuum (1001) (aep, ap, ep, p, pa, pe, ppe)
  - Slopewash
    - Slopewash; slopewash mixed with alluvium and/or eolian deposits; slopewash mixed with alluvium, residuum, or colluvium and/or eolian deposits; and slopewash mixed with residuum and colluvium and either alluvium or gus (1101) (as, as, asr, s, sa, sac, sar, sare, srr, sra, srac, srca, srer, sre, sucr)
    - Slopewash mixed with scattered bedrock outcrops and residuum, alluvial fan deposits, alluvium, gus, and/or colluvium; slopewash mixed with scattered bedrock outcrops, alluvium, and eolian deposits, residuum, or gus; slopewash mixed with scattered bedrock outcrops, colluvium, and eolian deposits, residuum, or gus; and slopewash mixed with scattered bedrock outcrops, residuum, and alluvium, eolian deposits, or colluvium (1102) (saR, saRe, saRr, saRr, scR, scRr, scRr, scRr, srR, srRr, srRr, srRr, srRr, srRr, srRr, srRr)
  - Colluvium
    - Colluvium mixed with scattered bedrock outcrops and/or slopewash (1202) (cR, cRr)
  - Glacial Deposits
    - Glacial outwash mixed with alluvium or terrace deposits and dissected glacial outwash mixed with terrace deposits (1301) (ao, to, tod)
    - Glacial deposits and glacial deposits mixed with residuum and slopewash (1302) (g, rsg)
  - Residuum
    - Residuum; residuum mixed with slopewash, alluvium, colluvium, or terrace deposits; residuum mixed with alluvium and eolian deposits, and/or slopewash; residuum mixed with slopewash and eolian deposits or alluvial fan deposits; and a thin cover of residuum on dissected terrace deposits (1401) (r, ra, rae, ras, re, rs, rsa, rse, rse, rsf, ri, rid)
    - Residuum mixed with scattered bedrock outcrops; residuum mixed with scattered bedrock outcrops and slopewash, alluvium, or eolian deposits; and residuum mixed with scattered bedrock outcrops, slopewash, and eolian deposits or alluvium (1402) (naR, rR, rRa, rRe, rRs, rRr, rRr, rRr, rRr, rRr)
  - Bedrock
    - Bedrock mixed with slopewash and bedrock mixed with slopewash and colluvium, gus, or residuum (1501) (Rr, Rr, Rr, Rr, Rr, Rr)
    - Upturned and truncated bedrock with a thin mantle of residuum; upturned and truncated bedrock with a thin mantle of residuum and eolian deposits and/or terrace deposits; upturned and truncated bedrock with a thin mantle of terrace and eolian deposits; upturned and truncated bedrock with a thin mantle of bench and eolian deposits; and upturned and truncated bedrock with dissected terrace deposits (1503) (bxc, crx, crs, crs, crs, ext, rex, rx, rxc, rxc, rxc)
  - Lake
    - Lake, only major water bodies labelled (1601) (lake)
  - Mined Areas
    - Mined areas and mined areas within alluvium (1701) (aM, M)



Base map from U.S. Geological Survey 1:100,000-scale metric topographic map of the Medicine Bow, Wyoming Quadrangle, 1980.

Projection: Universal Transverse Mercator (UTM), zone 13  
North American Datum of 1927 (NAD 27)  
10,000-meter grid ticks: UTM, zone 13  
25,000-foot grid ticks: Wyoming State Plane Coordinate System, east central and east zones.



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Digital cartography by Alice J. Vogelmann.

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PRELIMINARY SURFICIAL GEOLOGIC MAP OF THE MEDICINE BOW  
30' x 60' QUADRANGLE, CARBON AND ALBANY COUNTIES, WYOMING

Compiled and mapped by  
Laura L. Hallberg and James C. Case

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Map Name	Scale	Year	Status
Medicine Bow	1:100,000	2006	Proposed
Albany	1:100,000	2005	Published
Carbon	1:100,000	2005	Published
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**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