

- EXPLANATION
- DESCRIPTION AND CLASSIFICATION OF MAP UNITS
- Alluvial deposits
- Alluvium
- Alluvium or alluvium mixed with eolian deposits, residuum, and/or slopewash (101)
(a, ac, are, ars, ca, car)
- Alluvium mixed with terrace deposits and scattered eolian deposits or residuum (102)
(at, ate, cat)
- Alluvial fan deposits
- Alluvial fan deposits mixed with alluvium, eolian deposits, slopewash, and/or residuum (201)
(af, f, fa, fe, se, sf, sfa, sfa(c), slae, sft, sft, sfr)
- Alluvial fan deposits grading into bench or terrace deposits or slopewash, mixed with scattered eolian deposits or residuum (202)
(fb, fl, stb, stt)
- Alluvial fan deposits grading into dissected terrace deposits, with scattered eolian deposits or slopewash (203)
(fbd)
- Dissected alluvial fan deposits grading into dissected terrace deposits, mixed with scattered slopewash, residuum, and/or eolian deposits (204)
(fd, ftd, ftd, rfd)
- Bench deposits
- Bench deposits or bench deposits mixed with eolian deposits (401)
(b, be, br)
- Dissected bench deposits mixed with slopewash or residuum and scattered playa lake deposits (402)
(bd, bde)
- Terrace deposits
- Terrace deposits or terrace deposits mixed with scattered deposits of slopewash, eolian deposits, or glacial outwash, and/or alluvium (601)
- Dissected terrace deposits; dissected terrace deposits mixed with slopewash, eolian deposits, or residuum; and dissected terrace deposits/structural terraces mixed with slopewash and/or residuum (602)
(std, td, td(c), tde)
- Shallow terrace deposits mixed with residuum and/or eolian deposits or slopewash; and shallow terrace deposits/structural terraces mixed with eolian deposits and residuum (603)
(ter, tre)
- Eolian deposits
- Eolian deposits or eolian deposits mixed with residuum and alluvium or slopewash (701)
(e, er, era, e(ra), ers, es, esr, ecs)
- Eolian deposits mixed with scattered bedrock outcrops, residuum, and slopewash (703)
(erR, esR)
- Landslide deposits
- Landslides or landslides mixed with slopewash and/or scattered bedrock outcrops (801)
(l, ls,)
- Mesa caprock
- Mesa caprock mixed with a thin cover of residuum and/or eolian deposits (901)
(m, rm)
- Playa lakes/playa lake deposits
- Playa lake or playa lake deposits mixed with eolian deposits and/or alluvium (1001)
(p, pe, ap, aep, ep, cap, epa)
- Slopewash
- Slopewash mixed with alluvium, colluvium, or residuum; slopewash mixed with alluvium and eolian deposits and/or residuum; and slopewash mixed with residuum and alluvium, colluvium, aeolian deposits, or alluvial fan deposits (1101)
(esa, s, sa, sae, saf, sar, sc, sea, sr, sra, sre)
- Slopewash mixed with scattered bedrock outcrops and colluvium, alluvial fan deposits, or residuum, and/or residuum, eolian deposits, dissected alluvial fan deposits, slopewash, alluvium, and colluvium (1102)
(sRe, sRr, saRr, saRr, scRr, scRr(c), sRr, sRr, sRr(c), sRrR, saRr)
- Colluvium
- Colluvium mixed with slopewash and/or landslide deposits (1201)
(cs)
- Colluvium mixed with scattered bedrock outcrops and/or residuum (1202)
(cSR)
- Residuum
- Residuum mixed with alluvium or slopewash and/or eolian deposits; residuum mixed with alluvium, slopewash, and eolian deposits (1401)
(r, ra, r(a)c, rs, rsa, rae, rsc, rse, rs, rsf)
- Residuum mixed with scattered bedrock outcrops and slopewash, and/or eolian deposits, colluvium, alluvium, and alluvial fan deposits (1402)
(rRe, rRe, rSR, rSR(c), rSR, rSR, rSR(c), rSRR, rSR(c), rSR)
- Bedrock
- Bedrock; bedrock mixed with slopewash; bedrock mixed with bench deposits and residuum; bedrock mixed with slopewash and/or alluvium, colluvium, residuum, eolian deposits, or alluvial fan deposits (1501)
(Rae, Rc, Res, Rcu, Re, Rrs, Rs, Rsc, Rse, Rsf, Rsr, Rsu, Ruc, Ruce, Rue)
- Bedrock out terrace that may have terrace deposits and residuum (1502)
(cR, cRr, sR)
- Mined areas
- Mine/quarry (1701)
(M, sRM)
- Water features
- Water (1601)

Base map compiled from U.S. Geological Survey 1:24,000-scale topographic maps dated 1951-1962. Partially revised from aerial photographs taken 1977 and other source data
Revised information not field checked
Map edited 1979
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 west central zones
National Geodetic Vertical Datum of 1929

PRELIMINARY SURFICIAL GEOLOGIC MAP OF THE BAIRAIL 30' x 60' QUADRANGLE, CARBON, SWEETWATER, FREMONT, AND NATRONA COUNTIES, WYOMING

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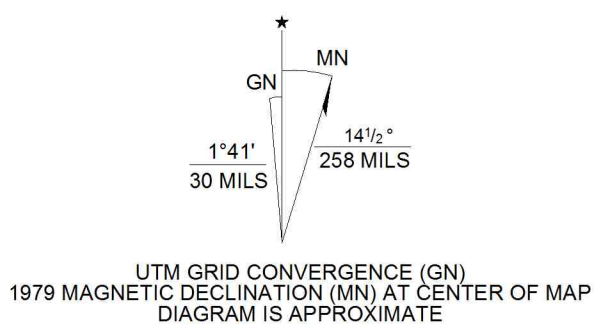
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by
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WYOMING QUADRANGLE LOCATION

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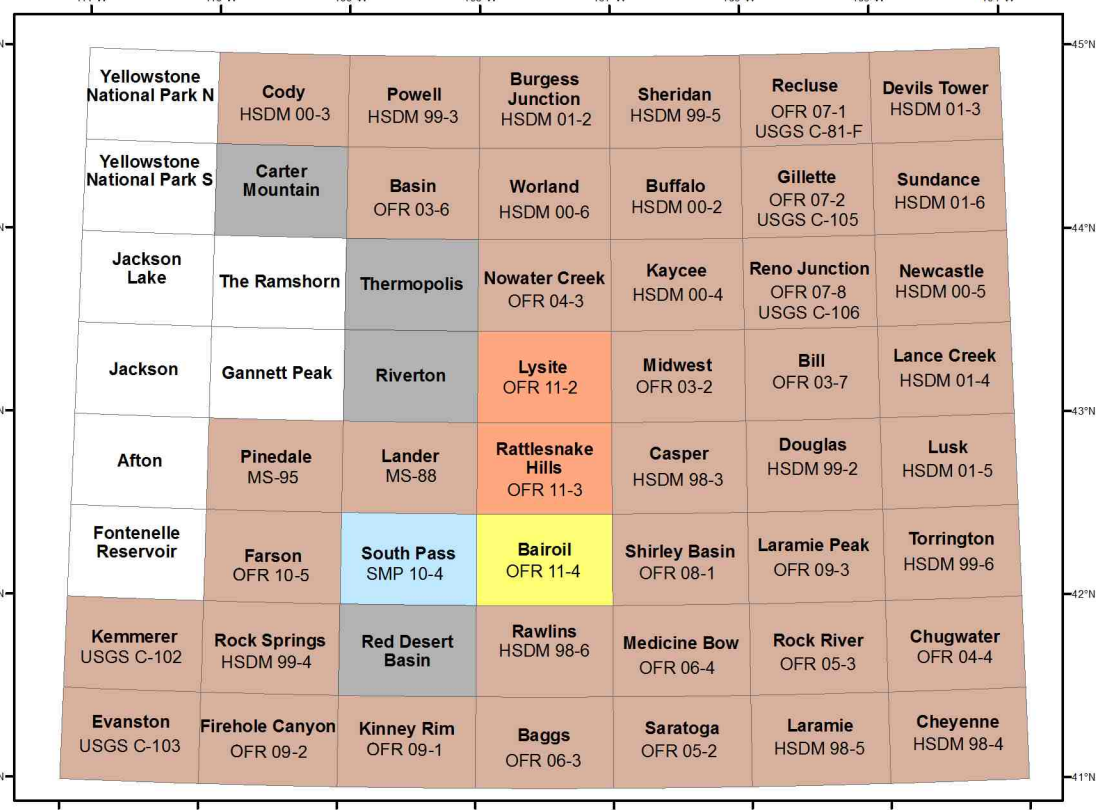
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KEY TO ABBREVIATIONS

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).

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