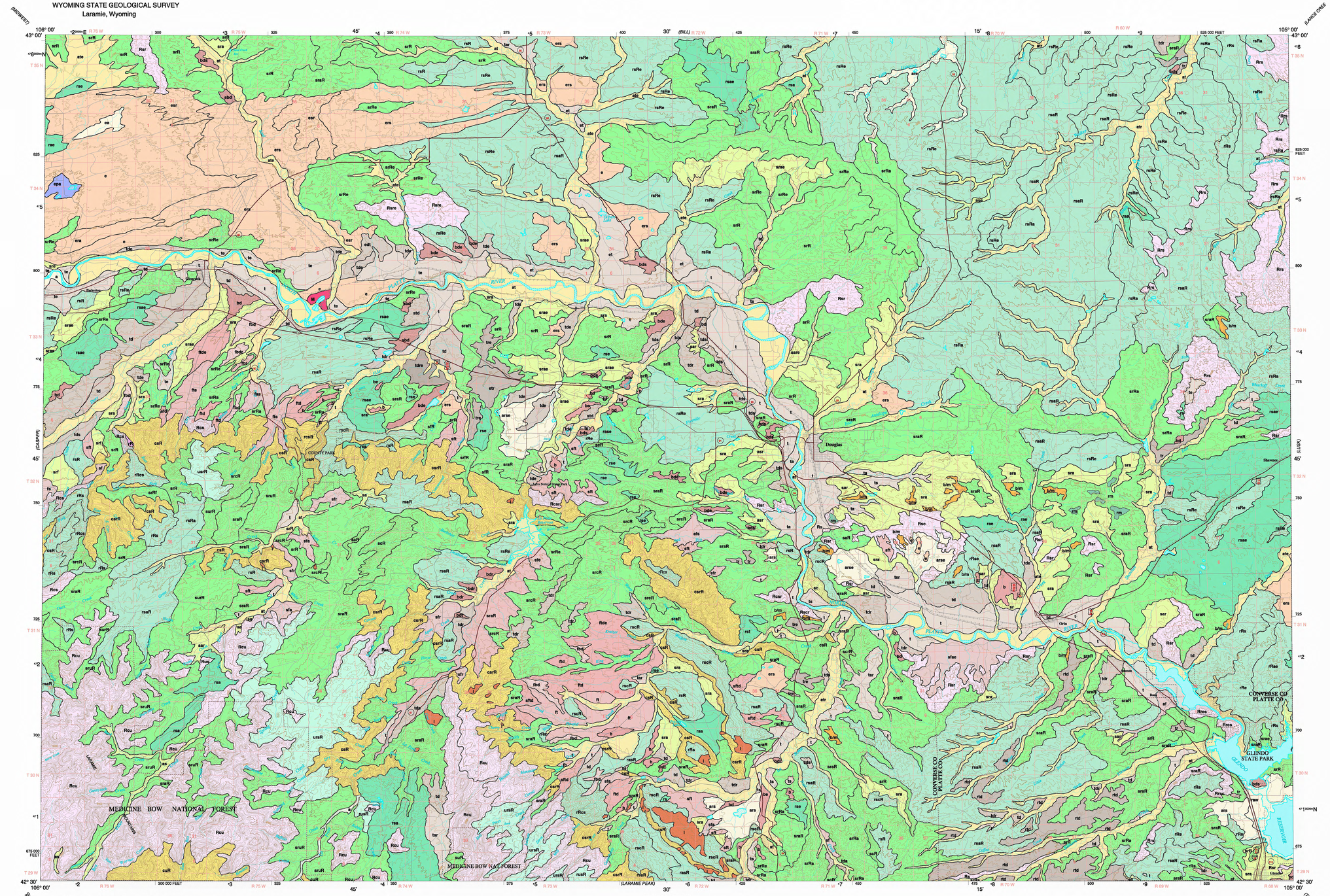
WYOMING STATE GEOLOGICAL SURVEY
Laramie, Wyoming

Geologic Hazards Section Digital Map 99-2 (HSDM 99-2)
Preliminary Douglas Wyoming Surficial Geologic Map
1:100,000-Scale Series



Blue 10 000-meter ticks: Universal Transverse Mercator, zone 13
25 000-foot grid ticks: Wyoming Coordinate System of 1927, East zone

Digital public land survey, hydrography, and transportation by
U.S. Geological Survey, 1995

Digital hypsography by Wyoming State Geological Survey, 1998

GN
0°20'
6 MILS
13°
231 MILS
UTM GRID
DECLINATION AT CENTER OF SHEET
DIAGRAM IS APPROXIMATE

SCALE 1:100 000
1 0 1 2 3 4 5 6 7 8 9 10
KILOMETERS
1 0 1 2 3 4 5
MILES
5000 0 5000 10000 20000
FEET

WYOMING
QUADRANGLE LOCATION

Produced with QuadView by Geoware

This report is preliminary and has not been reviewed for conformity with Wyoming State Geological Survey editorial standards

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CLASSIFICATION OF MAP UNITS

Alluvial Deposits - Alluvium
- Alluvium and alluvium mixed with residuum, eolian deposits, lacustrine deposits, and/or slopewash (a, are, ars, arse, ea, raw)
- Alluvium mixed with terrace deposits, with scattered eolian deposits, and/or residuum (at, atr, ate)

Alluvial Deposits - Alluvial Fan Deposits
- Alluvial fan deposits mixed with slopewash, alluvium, residuum, and/or eolian deposits (af, afs, fas, fs, sf, sfa, sfae, sfe, sfr)
- Alluvial fan deposits grading into bench deposits or terrace deposits, mixed with slope-wash, residuum, and/or eolian deposits (fb, fbr, ft, fte, fts, sft)
- Alluvial fan deposits grading into dissected bench deposits and alluvial fan deposits grading into dissected bench deposits mixed with residuum (fbd, fbdr)
- Dissected alluvial fan deposits and dissected alluvial fan deposits that grade into terrace deposits, mixed with slopewash (ftd, ftde, sftd, sfd)

Alluvial Deposits - Bench Deposits
- Bench deposits and bench deposits mixed with eolian deposits (b, be)
- Dissected bench deposits and dissected bench deposits mixed with slopewash, eolian deposits, and/or residuum (bd, bde, bdr, bds, sbd)

Alluvial Deposits - Bench Deposits or Mesa Caprock Undif.
- Bench deposits/mesa caprock (b/m)

Alluvial Deposits - Terrace Deposits
- Terrace deposits and terrace deposits mixed with alluvium, eolian deposits, residuum, and/or slopewash (et, t, ta, tar, te, ter, ts)
- Dissected terrace deposits and dissected terrace deposits mixed with slopewash, alluvium, eolian deposits, and/or residuum (etd, std, td, tda, tde, tdr, tdre, tds)
- Shallow terrace deposits mixed with residuum and/or eolian deposits (etr, tr, tre)
- Dissected shallow terrace deposits mixed with residuum (rtd)

Eolian Deposits
- Eolian deposits and eolian deposits mixed with residuum and slopewash (e, era, ers, esr)

Landslide Deposits
- Landslide deposits (l)

Mesa Deposits
- Mesa caprock mixed with a thin cover of residuum (rm)

Playa Lake and Playa Lake Deposits
- Playa lake deposts and playa lake deposits mixed with eolian deposits, and alluvium (epa)

Slopewash
- Slopewash and slopewash mixed with alluvium, residuum, eolian deposits, alluvial fan deposits, and/or colluvium (as, ase, asr, sa, sare, sc, sr, sra, srae, sre, srf)
- Slopewash mixed with scattered bedrock outcrops and residuum, colluvium, grus, alluvial fan deposits, alluvium, and/or eolian deposits (scR, scrR, sraR, srcR, srfR, srR, srRa, srRe, srRf, sruR, suR, surR)

Colluvium
- Colluvium mixed with scattered bedrock outcrops and residuum, grus and/or slopewash (csR, csrR, cuR, rcsR)

Residuum
- Residuum mixed with slopewash, alluvium, eolian deposits, and/or alluvial fan deposits (rae, ras, rase, rs, rsa, rsae, rse, rsf)
- Residuum mixed with scattered bedrock outcrops and slopewash, alluvium, eolian deposits, and/or colluvium (raRe, rasR, rRae, rRcs, rRe, rRs, rRse, rsaR, rscR, rsR, rsRa, rsRe)
- Grus mixed with scattered bedrock outcrops and slopewash, and/or residuum (rusR, ursR, usrR)

Bedrock
- Bedrock mixed with colluvium, eolian deposits, slopewash, grus, and/or residuum (Rcs, Rcu, Rres, Rrs, Rrsc, Rs, Rsc, Rsr, Rsre, Rus)
- Bedrock with a thin mantle of residuum (rR)

Lake
- Lake

Mined Areas
- Mined areas

PRELIMINARY DIGITAL SURFICIAL GEOLOGIC MAP OF THE DOUGLAS 30' x 60' QUADRANGLE, CONVERSE AND PLATTE COUNTIES, WYOMING

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