Laramie, Wyoming

Geologic Hazards Section Digital Map 99-3 (HSDM 99-3)
Preliminary Powell Wyoming Surficial Geologic Map
1:100,000 Scale Series

CLASSIFICATION OF MAP UNITS

Alluvial Deposits - Alluvium
- Alluvium and alluvium mixed with residuum, eolian deposits, and/or slopewash (a, ae, ars)
- Alluvium mixed with terrace deposits (at)

Alluvial Deposits - Alluvial Fan Deposits
- Alluvial fan deposits mixed with slopewash, alluvium, residuum, and/or eolian deposits (af, fs, sf, sfa, sfe, sfr)
- Alluvial fan deposits grading into bench deposits or terrace deposits mixed with slopewash (fb, ft, sft)
- Alluvial fan deposits grading into dissected bench deposits (fbd)
- Dissected alluvial fan deposits and dissected alluvial fan deposits that grade into terrace deposits, mixed with slopewash (fd, ftd, sfd)

Alluvial Deposits - Bench Deposits
- Bench deposits and bench deposits mixed with eolian deposits (b, be)
- Dissected bench deposits (bd)

Alluvial Deposits - Terrace Deposits
- Terrace deposits and terrace deposits mixed with alluvium, eolian deposits, and/or slopewash (et, t, ta, ts)
- Dissected terrace deposits (td)
- Shallow terrace deposits mixed with residuum (tr)

Eolian Deposits
- Eolian deposits mixed with residuum (er)
- Eolian deposits mixed with scattered bedrock outcrops and residuum, and/or slopewash (erR, ersR)

Landslide Deposits
- Landslides (l)

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

Slopewash
- Slopewash mixed with alluvium, residuum and/or eolian deposits (as, asr, sa, sae, sar, sare, sr, sra)
- Slopewash mixed with scattered bedrock outcrops and residuum, alluvium, and/or colluvium (scrR, sraR, srcR, srR, srRa)

Residuum
- Residuum mixed with slopewash, alluvium, and/or eolian deposits (ra, rsa, rsae, rse)
- Residuum mixed with scattered bedrock outcrops and slopewash, alluvium, and/or eolian deposits (raR, raRe, rRs, rsaR, rsR, rsRa, rsRe)

Bedrock
- Bedrock mixed with colluvium, slopewash, and/or residuum (Rcs, Rrsc, Rs, Rsc, Rscr, Rsr, Rrs)
- Bedrock with a thin mantle of eolian deposits, residuum and/or slopewash (esR, rR)

Lake
- Lake

Mined Areas
- Mined areas

Blue 10 000-meter ticks: Universal Transverse Mercator, zone 12
25 000-foot grid ticks: Wyoming Coordinate System of 1927, East Central zone

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

Digital hypsography by Wyoming State Geological Survey, 1998

GN 1°46' 31 MILS, 15° 267 MILS

UTM GRID DECLINATION AT CENTER OF SHEET DIAGRAM IS APPROXIMATE

SCALE 1:100 000

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10

MILES 1 0 1 2 3 4 5

FEET 5000 0 5000 10000 20000

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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PRELIMINARY DIGITAL SURFICIAL GEOLOGIC MAP OF THE POWELL 30' x 60' QUADRANGLE, BIGHORN AND PARK COUNTIES, WYOMING, AND SOUTHERN MONTANA

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