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

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