



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, ftt)
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, ftd)
- 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, ar, 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, Rrcs, Rcs, Rsc, Rscr, Rsr, Rrs)
Bedrock with a thin mantle of eolian deposits, residuum and/or slopewash (esR, rR)
- Lake**
Lake
- Mined Areas**
Mined areas

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

mapped and compiled by
Laura L. Hallberg and James C. Case, 1999
digital cartography by
Chris A. Jessen and Abby L. Kirkaldie, 1999