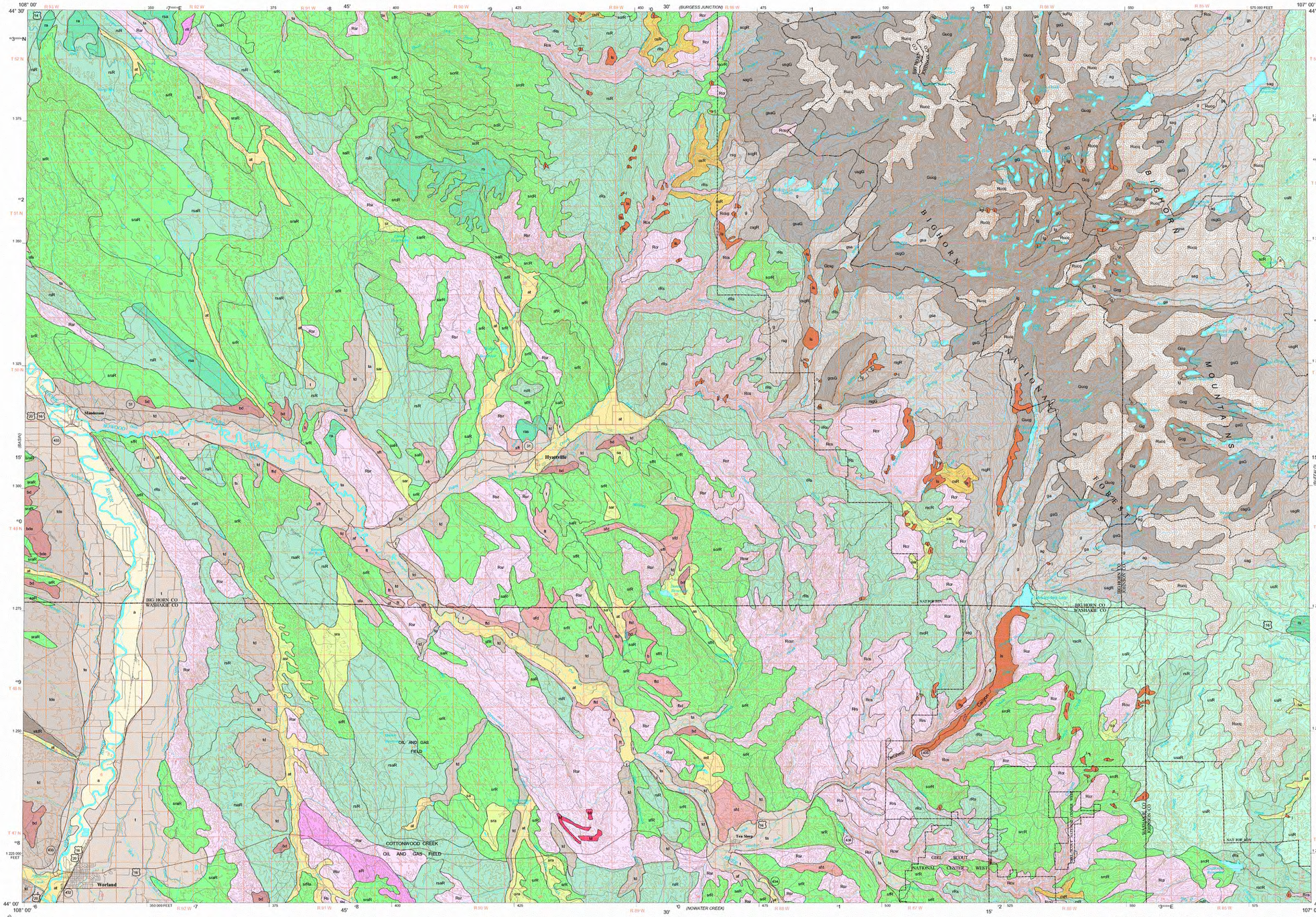
WYOMING STATE GEOLOGICAL SURVEY
Laramie, Wyoming

Geologic Hazards Section Digital Map 00-6 (HSDM 00-6)
Preliminary Worland 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, hypsography, and transportation by U.S. Geological Survey, 1995

GN
1°45'
31 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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## CLASSIFICATION OF MAP UNITS

### Alluvial Deposits - Alluvium

- Alluvium
  a
- Alluvium mixed with terrace deposits, with scattered deposits of slopewash
  ast, at

### Alluvial Deposits - Alluvium

- Alluvial fan deposits and alluvial fan deposits mixed with slopewash, alluvium, and/or residuum
  af, f, sf, sfa, sfr
- Alluvial fan deposits grading into terrace deposits, mixed with slopewash
  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
  b
- Dissected bench deposits and dissected bench deposits mixed with eolian deposits
  bd, bde

### Alluvial Deposits - Terrace Deposits

- Terrace deposits and terrace deposits mixed with alluvium, eolian deposits and/or slopewash
  t, ta, te, ts
- Dissected terrace deposits and dissected terrace deposits mixed with eolian deposits
  td, tde
- Dissected shallow terrace deposits mixed with scattered bedrock outcrops and slopewash
  stdR

### Landslide Deposits

- Landslide deposits
  l, ls

### Slopewash

- Slopewash and slopewash mixed with residuum and/or alluvium
  as, asr, sa, sar, sr, sra
- Slopewash mixed with scattered bedrock outcrops and residuum, alluvial fan deposits, alluvium, and/or colluvium
  saR, sarR, scR, scrR, sfR, sraR, srcR, srR, srRa

### Colluvium

- Colluvium mixed with scattered bedrock outcrops and slopewash
  csR

### Glacial Deposits and Features - Glacial Deposits

- Glacial deposits and glacial deposits mixed with slopewash, alluvium, residuum, and landslide deposits
  ag, g, ga, gs, gsa, lg, rsg, sag, sg
- Glacial deposits mixed with scattered bedrock outcrops and alluvium, colluvium, grus, residuum, and/or slopewash
  csgR, rsgR, sagR, scgR, usgR

### Glacial Deposits and Features - Glaciated Bedrock

- Glaciated bedrock with a mantle of glacial deposits and alluvium, colluvium, residuum, slopewash, and/or grus
  csgG, Gcg, Gcsg, gG, gsaG, gcsG, gsG, Gg, Gucg, rsgG, sagG, usgG

### Periglacial Features and Deposits

- Periglacial features and deposits mixed with bedrock outcrops, grus, and colluvium
  Rucq

### Residuum

- Residuum mixed with slopewash and/or alluvium
  ra, ras, rs, rsa
- Residuum mixed with scattered bedrock outcrops and slopewash, alluvium, and/or colluvium
  rRs, rsaR, rscR, rsR
- Grus mixed with scattered bedrock outcrops and slopewash, and/or alluvium
  usR, usaR

### Bedrock

- Bedrock mixed with colluvium, glacial debris, slopewash, grus, and/or residuum
  Rcr, Rcs, Rcsg, Rcsr, Rcu, Rrs, Rs, Rsr
- Bedrock with a thin mantle of residuum or slopewash
  rR, sR

### Lake

- Lake

### Mined Areas

- Mined areas
  M

# PRELIMINARY DIGITAL SURFICIAL GEOLOGIC MAP OF THE WORLAND 30' x 60' QUADRANGLE, JOHNSON WASHAKIE, AND BIG HORN COUNTIES, WYOMING

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