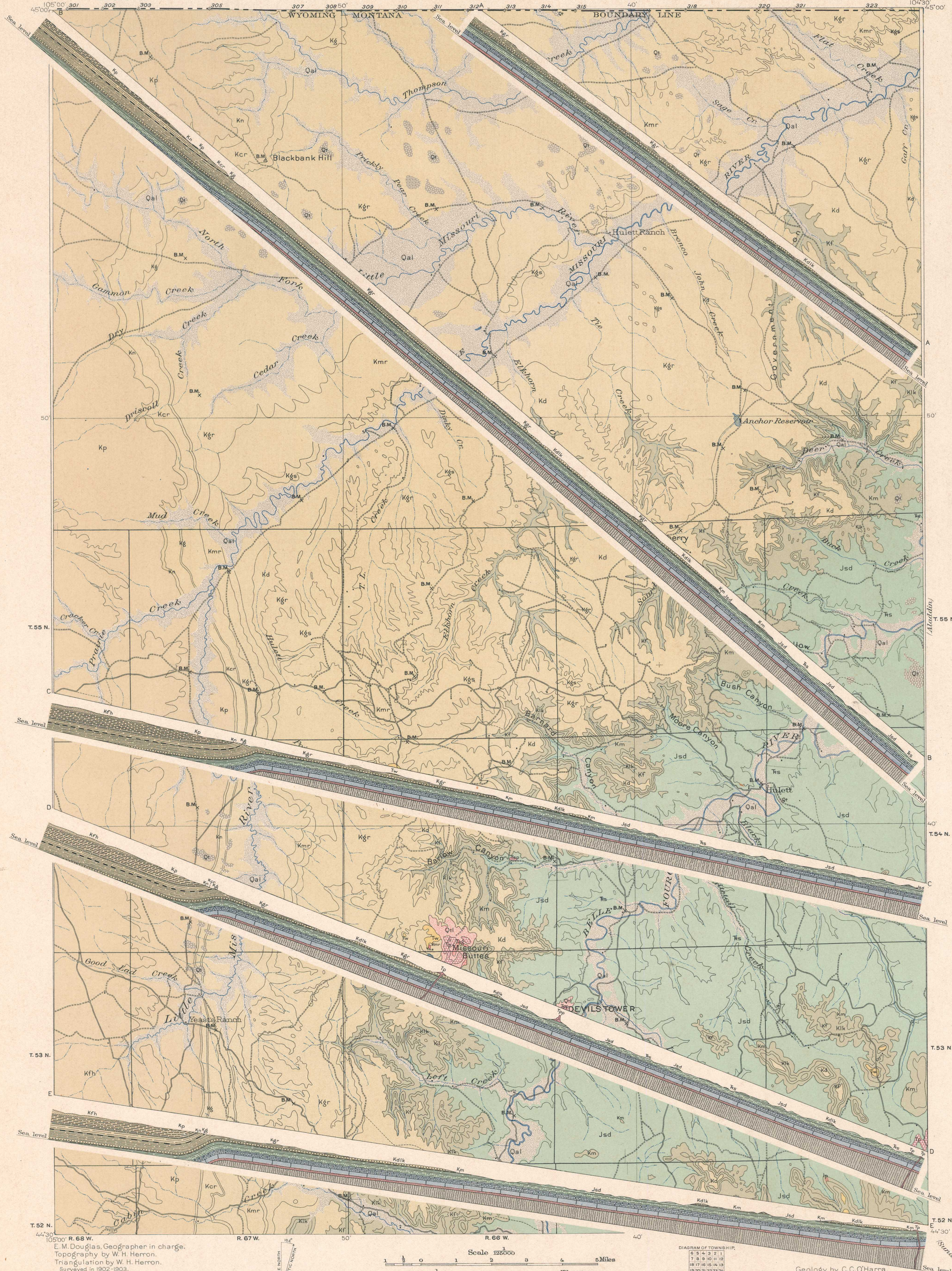


U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT
DIRECTOR

STRUCTURE SECTIONS

WYOMING
(CROOK COUNTY)
DEVILS TOWER QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

Qal Alluvium (sand and loam only the larger deposits represented)

Oh Talus (of igneous rock)

Qr Older terrace deposits (gravel and loam)

Tw Sand gravel and conglomerate (possibly of White River age)

Kfh Fox Hills sandstone (buff massive sandstone, mostly soft)

Kp Pierre shale (dark gray shale and clay with concretions)

Kn Niobrara formation (tiny shale and impure chalk)

Kcr Carlisle formation (gray shale and thin sandstone)

Kg Greenhorn formation (black shale with thin stone concretions)

Kgr Gramercy shale (dark bluish shale with sandstone bed, kg, and lower member, kgr, composed of hard gray shale)

Kd Dakota sandstone (brownish sandstone, mostly massive)

Kf Combined with Dakota sandstone on sections

Kik Fuson formation (shale and sandstone)

Kik Combined with Dakota sandstone on sections

Kik Lakota sandstone (massive buff sandstone)

Km Morrison shale (massive sandy shale, gray, greenish, and maroon)

Jsd Sundance formation (buff sandstone and red and greenish gray shale)

Trs Spearfish formation (red sandy shale with beds of gypsum, "Red Beds")

Mm Minnekahta limestone and Opeche formation

Mm Minnekahta sandstone

Pahapaha, Englewood, and Whitewood limestones

Dd Deadwood formation

Sch Schist

Ph Phonolite (laccolithic intrusions, includes small bodies of quartzite, porphyry, and quartzite porphyry, etc.)

Ag Agglomerate (fragments of granite, sedimentary rocks, and porphyry in a matrix of igneous rock, a mass of micaceous, etc., probably an inclusion)

Lp Lamprophyre dikes

QUATERNARY

TERTIARY

CRETACEOUS

CRETACEOUS OR JURASSIC

JURASSIC

TRIASSIC ?

ALGONKIAN ? CAMBRIAN, ORDOVICIAN, AND CARBONIFEROUS

TERTIARY

10500 R. 66 W.
E. M. Douglas, Geographer in charge.
Topography by W. H. Heron.
Triangulation by W. H. Heron.
Surveyed in 1902-1903.

Scale 1:50,000
1 2 3 4 5 Miles
1 2 3 4 5 Kilometers

DIAGRAM OF TOWNSHIP
5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28
29 30 31 32 33 34 35 36

Geology by C. C. O'Hara,
under the direction of N. H. Darton.
Surveyed in 1904.

Edition of Mar. 1907.