

CORRELATION OF MAP UNITS

Qol	Holocene	QUATERNARY
Os		
Unconformity		
Twu	Eocene	TERTIARY
Twl		
Unconformity?		
Tfu	Paleocene	

DESCRIPTION OF MAP UNITS

Qol ALLUVIUM (HOLOCENE)--Unconsolidated sand, silt, clay, and clasts of baked and fused rocks derived from local bedrock

Os LANDSLIDE (HOLOCENE)--Heterogeneous, unstratified assemblage of angular rock fragments derived from bedrock

Twu WASATCH FORMATION (EOCENE)

Twl Upper unit--Buff to tan interbedded sandstone, siltstone, shale, and coal. Sandstone, generally very fine to medium-grained and friable. About 420 feet (128 m) exposed

Twl Lower unit--Sandstone, white to light-yellow, medium to very coarse grained, cross-stratified and friable. Some small pebbles in discontinuous lenses. Top of unit chosen at base of Felix coal bed. Lower contact not exposed

Tfu FORT UNION FORMATION (PALEOCENE)--Shown in cross section

EXPLANATION OF LINE SYMBOLS

UL--Long dashed where approximately located; short dashed where inferred; dotted where concealed. Letter denotes specific coal bed. Equivalent thickness of coal, in feet 1/2, measured at triangle, calculated by method of Smith and others (1913, p. 72-73), and Bass, Smith, and Horn (1970, p. 6)

BAKED AND FUSED ROCK--Base and areal extent of burned coal. Long dashed where approximately located; short dashed where inferred. Attached v's indicate base of baked and fused rock; dotted line indicates inferred extent of burn. Letter indicates which coal has burned

CONTACT--Long dashed where approximately located; short dashed where inferred; dotted where concealed

FOLDS--Showing approximate trace of axial plane. Short dashed where inferred

Anticline, showing direction of plunge

Syncline

STRIKE AND DIP OF BEDS

Inclined

Component of dip

Apparent direction of dip

STRUCTURE CONTOURS--Drawn on base of Lower Uln coal bed. Long dashed where approximately located in subsurface; short dashed where projected above land surface. Hachures indicate depression contour. Contour interval 40 feet (12 m). Datum is mean sea level

QUARRY--In baked and fused rock

DRILL HOLES--Circled index number refers to subsurface coal sections (sheet 2)

Oil well--Producing from Muddy Formation of drillers

Abandoned oil well

Abandoned oil and gas test hole

Test hole--Drilling by U.S. Geological Survey and Montana Bureau of Mines and Geology (USGS-MBMG) or Getty Oil Co. Query indicates uncertain location

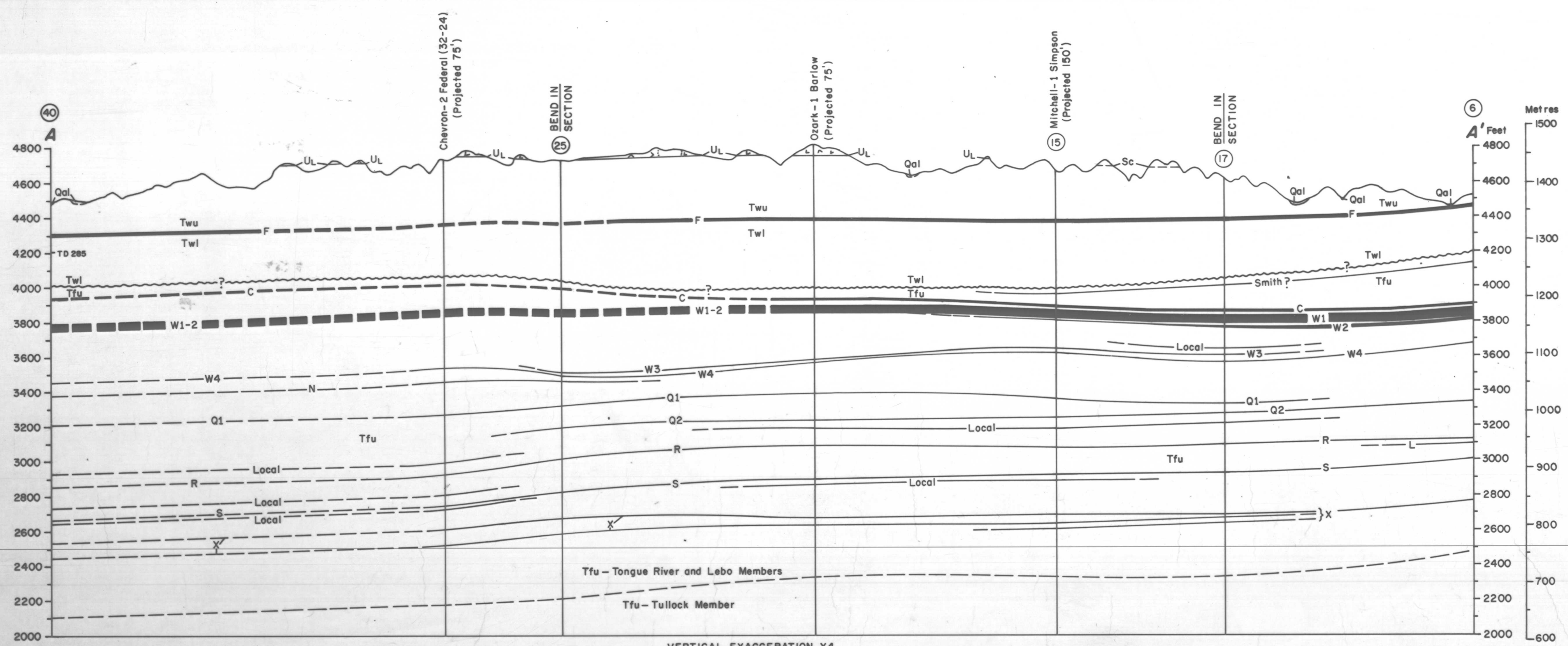
1/ To convert feet to metres, multiply by 0.3048.

REFERENCES CITED

Smith, C. O., and others, 1913, The classification of the public lands: U.S. Geol. Survey Bull. 537, 197 p.

Bass, W. W., Smith, H. L., and Horn, G. H., 1970, Standards for the classification of public coal lands: U.S. Geol. Survey Circ. 633, 10 p.

This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards or nomenclature



PRELIMINARY GEOLOGIC MAP AND COAL RESOURCES OF THE ORIVA QUADRANGLE, CAMPBELL COUNTY, WYOMING

By
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