

OPEN-FILE REPORT  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

EXPLANATION

INDEX NUMBER OF MEASURED SECTION SHOWN ON PLATE 3 OF CRO MAP—Coal section measured at point of triangle.

LINE OF COMPOSITE SECTION—Showing index number of section shown on plate 3 of CRO map. Composite section is based on nearby coal bed thickness measurements.

OIL AND GAS TEST HOLE—Showing index number of hole shown on plate 3 of CRO map and drill-hole data, in feet.

COAL TEST HOLE—Showing index number of hole shown on plate 3 of CRO map, and drill-hole data, in feet.

GL—Ground elevation  
NR—No record  
R—Rock interval  
C—Coal interval  
R<sup>u</sup>—Rock, occurrence of coal undeterminable  
TD—Total depth

DRILL-HOLE DATA SYMBOLS

Ga—Garfield  
Ga<sup>u</sup>—Upper Garfield  
Ga<sup>l</sup>—Lower Garfield  
L—Local  
Cy—Canyon  
Cy<sup>u</sup>—Upper Canyon  
Cy<sup>l</sup>—Lower Canyon  
Ck<sup>u</sup>—Upper Cook  
Ck<sup>l</sup>—Lower Cook  
5—Number 5 bed  
El—Elk  
Pa—Pawnee  
8—Number 8 bed  
Kn<sup>u</sup>—Upper Knobloch  
N—Name

COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP—Dashed where approximately located; short dashed where inferred. Showing thickness of coal, or coal-rock intervals, in feet, measured at triangle. Where a thickness fraction is shown, it indicates the net coal thickness (upper number) and net partings thickness (lower number). Letters designate the name of the coal bed as listed above. Arrows point toward coal-bearing area. Trace of coal outcrop has been modified from Bryson and Bass (1973, pl. 1), Matson and Blumer (1973, pl. 19, 21, 25 B), Matson and others (1968, figs. 9, 13, 16) and Warren (1959, pl. 19) to fit modern topographic map.

STRIKE AND DIP OF BED

ANTICLINE—Showing crestline.

BURNED AND CLINKERED COAL BED—Showing area of baked and fused rock (v symbol). Dotted line indicates the inferred limit of burning.

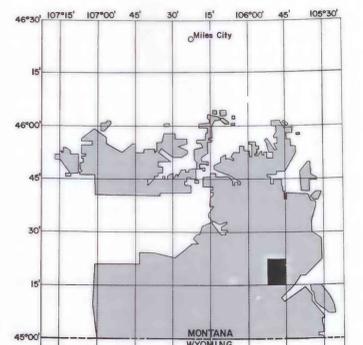
FAULT—Dashed where approximately located, U, up-thrown side; D, downthrown side.

COAL MINE—Showing thickness of coal bed, in feet.

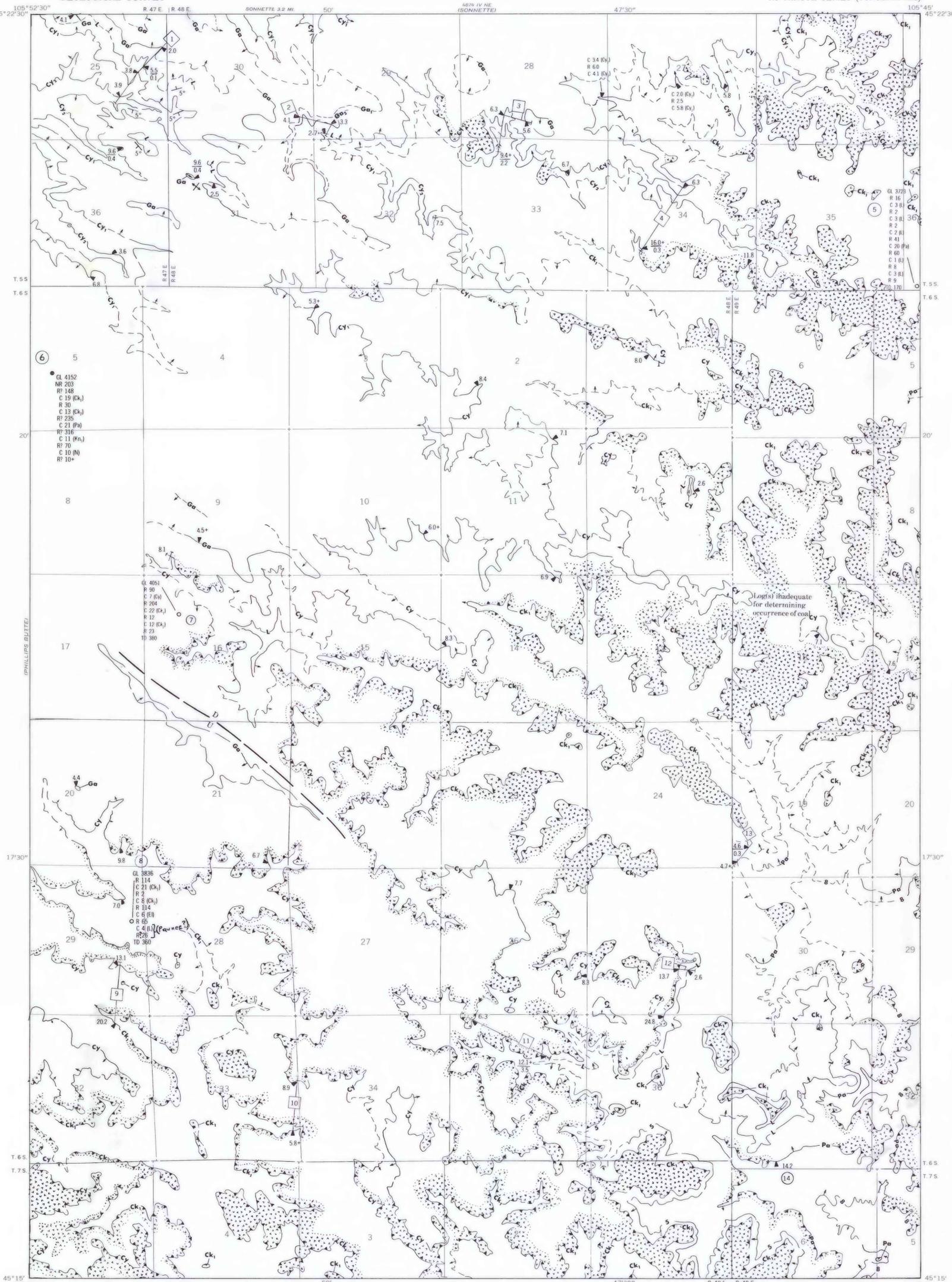
To convert feet to meters, multiply feet by 0.3048.

REFERENCE FOR NONINDEXED DATA POINTS

WARREN, W.C., 1959, Reconnaissance geology of the Birney-Broadus coal field, Rosebud and Powder River Counties, Montana: U.S. Geol. Survey Bull. 1072-J, p. 561-585.



INDEX MAP—Showing location of the Hodsdon Flats quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana.



Base map from U.S. Geological Survey, 1966

SCALE 1:24,000

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE HODSDON FLATS QUADRANGLE,  
POWDER RIVER COUNTY, MONTANA

BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979