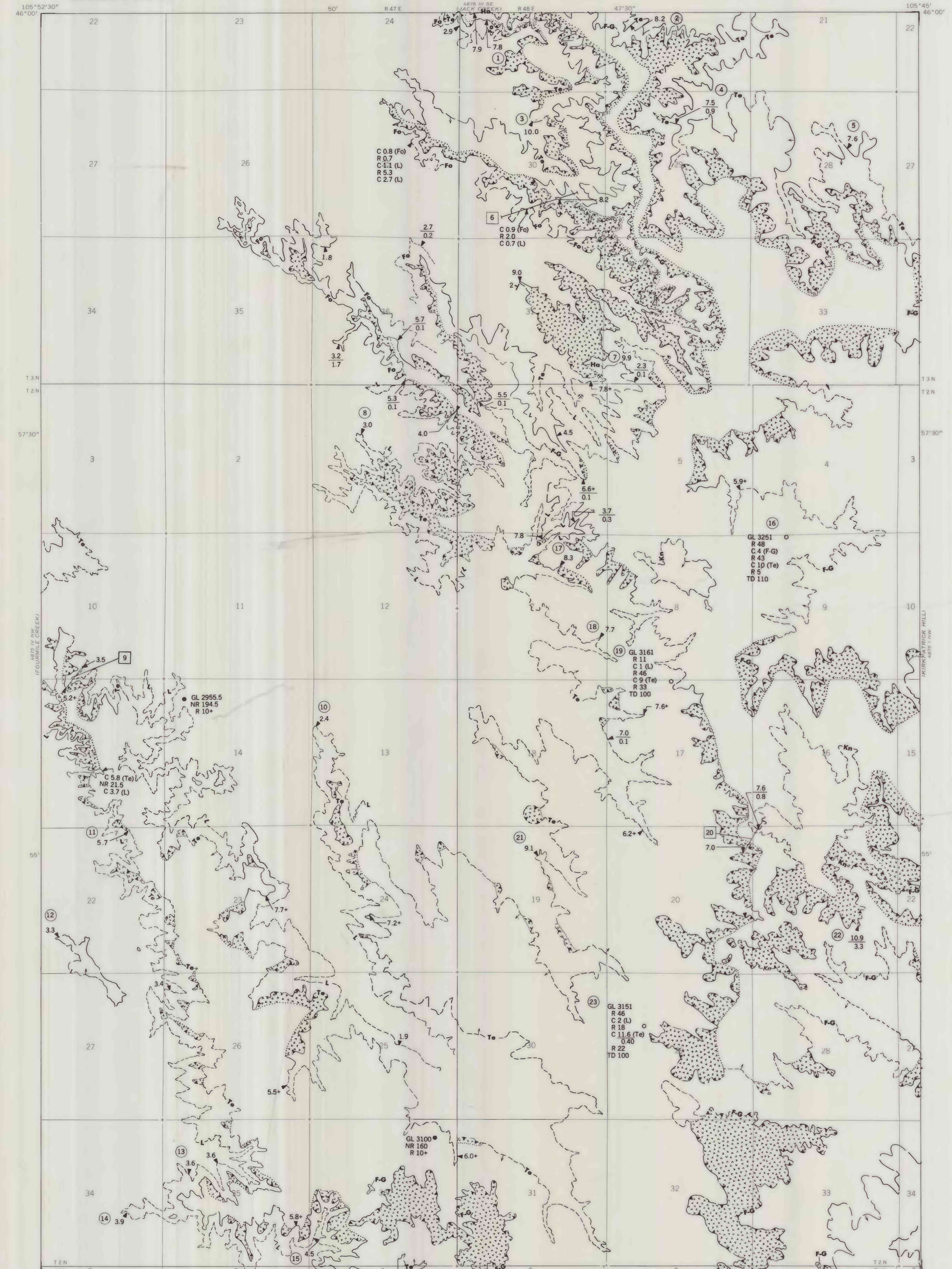


This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.



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.

GL 3100
NR 160
R 10+

OIL AND GAS TEST HOLE—Showing drill-hole data, in feet.

GL 3161
R 11
C 1 (L)
R 46
C 9 (Te)
R 33
TD 100

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
TD—Total depth

DRILL-HOLE DATA SYMBOLS

Kn—Knobloch
F-G—Flowers-Goodale
Ha—Haddow
Te—Terret
Fo—Foster
L—Local

COAL BED SYMBOL AND NAMES

8.2 7.5 C 5.9 (Te)
0.9 NR 21.5
C 3.7 (L)

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 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. Arrow points toward coal-bearing area. Trace of coal outcrop has been modified from Bass (1932, pl. 3), Pierce (1936, pl. 11), and Matson and Blumer (1973, pl. 1614) to fit modern topographic map.

STRIKE AND DIP OF BEDS

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

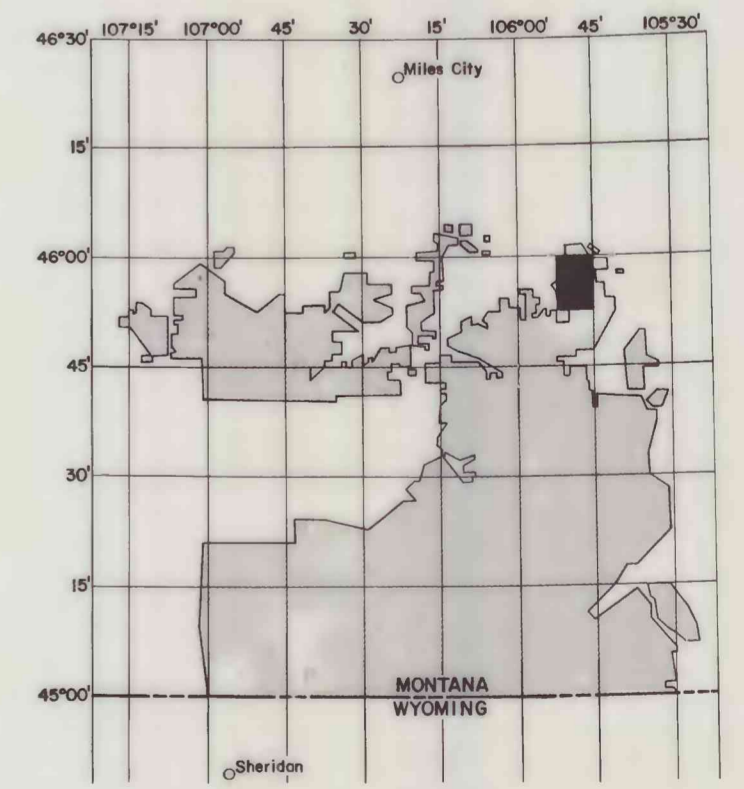
COAL MINE—Showing thickness of coal bed, in feet.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

BASS, N. W., 1932, The Ashland coal field, Rosebud, Powder River, and Custer Counties, Montana: U. S. Geol. Survey Bull. 881-B, p. 19-105.

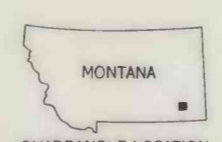
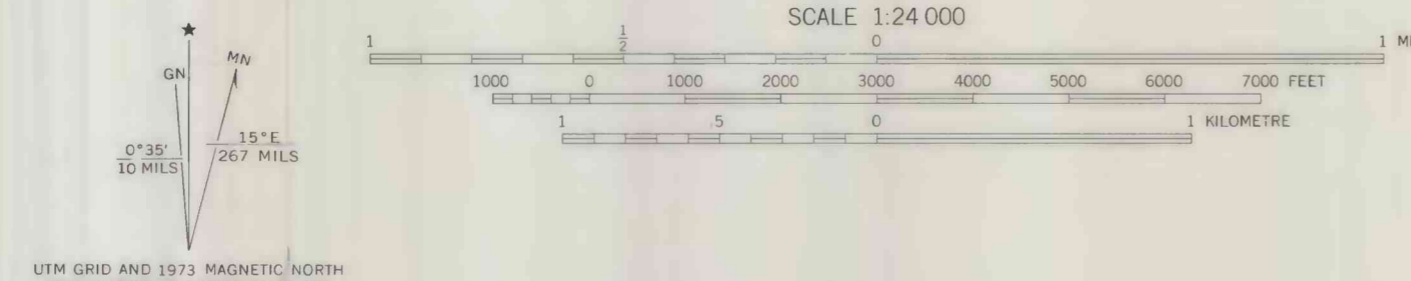
PIERCE, W. G., 1936, The Rosebud coal field, Rosebud and Custer Counties, Montana: U. S. Geol. Survey Bull. 847-B, p. 43-120.



INDEX MAP—Showing location of the Carey-Malone School quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana

Base map from U.S. Geological Survey, 1973

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE CAREY-MALONE SCHOOL
QUADRANGLE, CUSTER COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1978