

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 holes 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?—Rock occurrence of
coal undeterminable
TD—Total depth

DRILL-HOLE DATA SYMBOLS

Ck₁—Upper Cook
Ck₂—Lower Cook
L—Local
Pa—Pawnee
Ca—Cache
Sa₁—Upper Sawyer
Sa₂—Lower Sawyer
Kn—Knobloch
Br—Broadus

COAL BED SYMBOLS AND NAMES

4 0 6 2
1 4

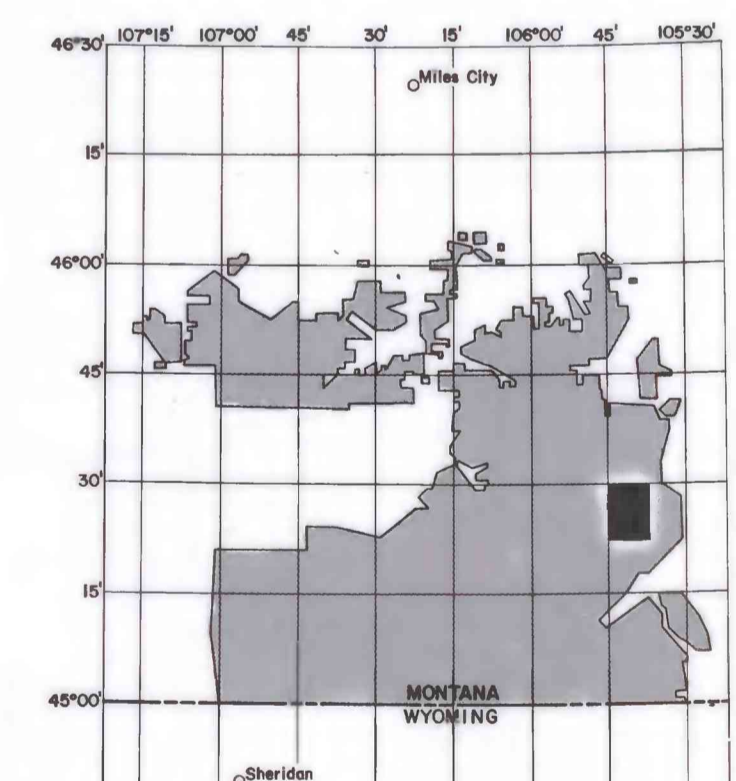
TRACE OF COAL BED OUTCROP—Dashed where
approximately located; short dashed where inferred.
Showing thickness of coal, in feet, measured at triangle.
Where a thickness fraction is shown, it indicates the net
coal thickness (upper number) and net partings thick-
ness (lower number). Letters designate the name of the
coal bed as listed above. Arrow points toward coal-
bearing area. Trace of coal outcrop has been modified
from Matson and others (1968, fig. 14), Warren (1959,
pl. 19) to fit modern topographic map.

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

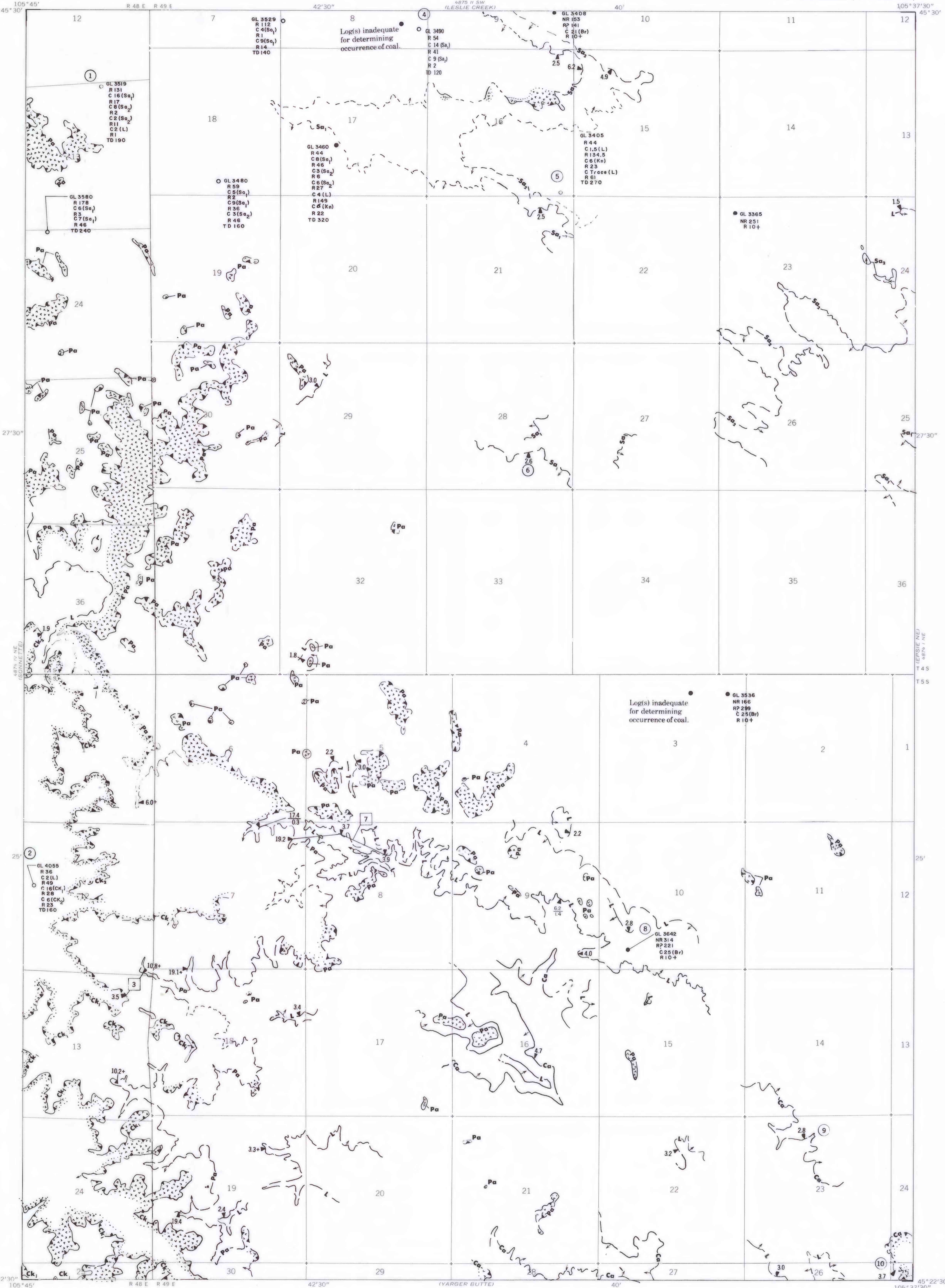
To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

Matson, R.E., Dahl, G.G., Jr., and Blumer, J.W., 1968, Strip-
pable coal deposits on State land, Powder River County,
Montana: Mont. Bur. Mines and Geol. Bull. 59, 81 p.
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.

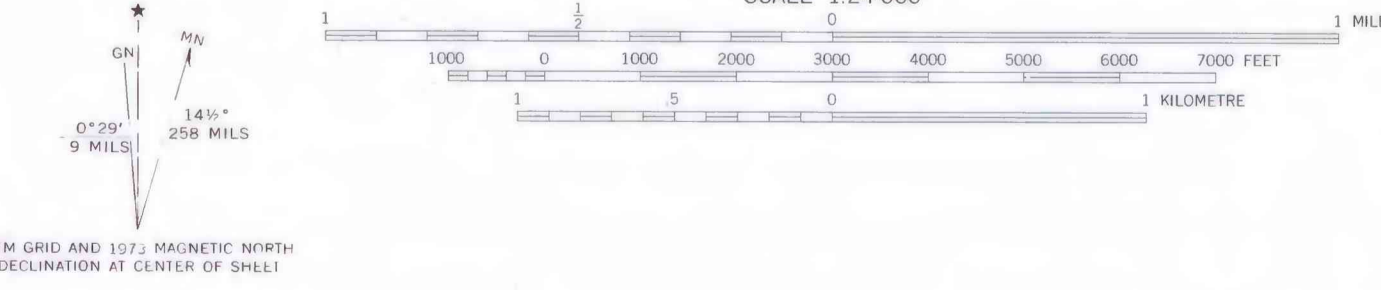


INDEX MAP—Showing location of the Epsie quadrangle
and the Northern Powder River Basin Known Recoverable
Coal Resource Area (stippled), Montana.



Base map from U.S. Geological Survey, 1973

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE EPSIE QUADRANGLE,
POWDER RIVER COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979