

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.

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

GL—Ground elevation
NR—No record
R—Rock interval
C—Coal interval

DRILL-HOLE DATA SYMBOLS

Ck₁—Upper Cook
5—Number 5 coal bed
Pa—Pawnee
8—Number 8 coal bed
L—Local
Ca—Cache
9b—Number 9b coal bed
9c—Number 9c coal bed
Br—Broadus

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 others (1968, p. 58, 61) and
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.

MONROE MINE
★ 20.6
0.1

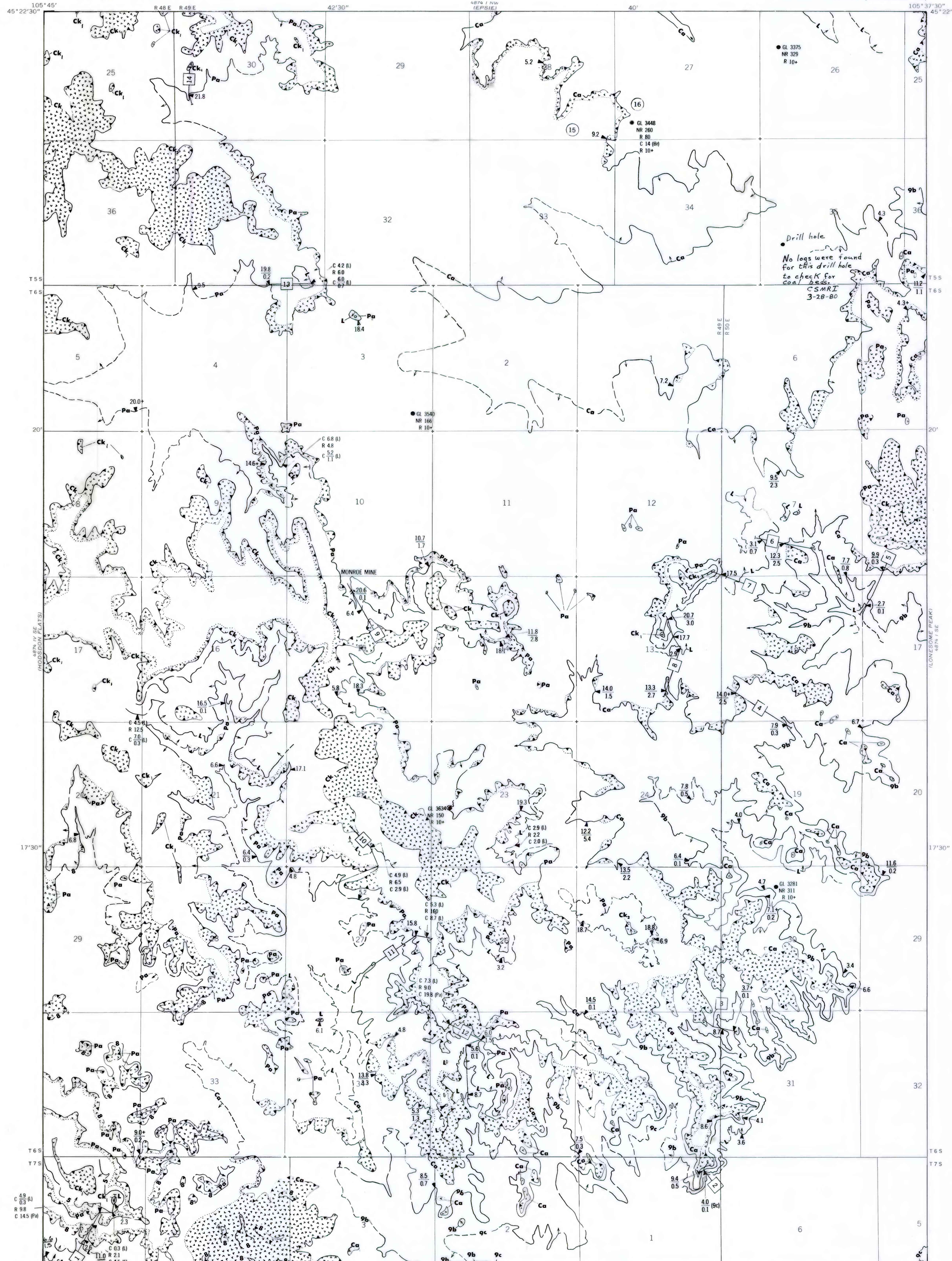
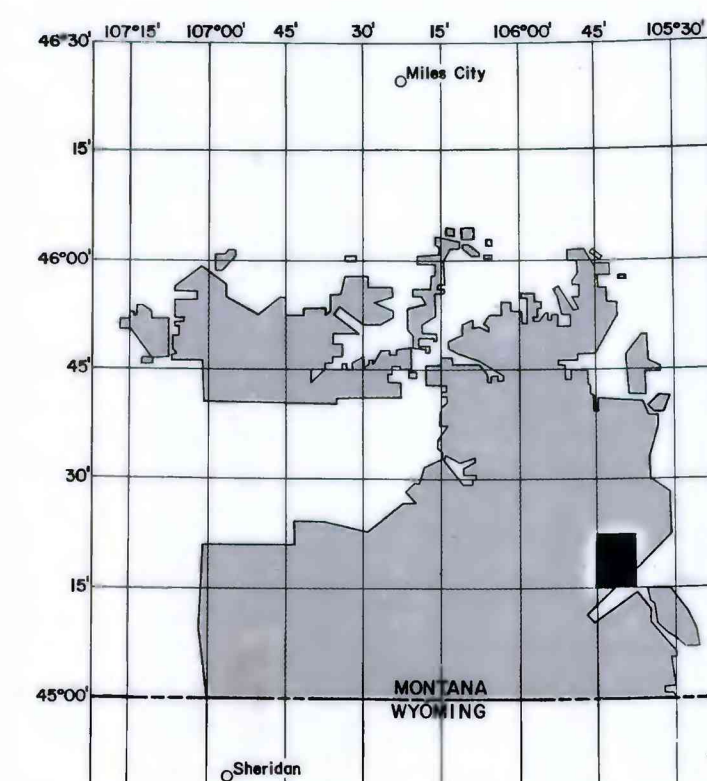
COAL MINE—Showing mine name and thickness of coal
bed, in feet.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

BRYSON, R.P., and BASS, N.W., 1973, Geology of the
Moorhead coal field, Big Horn, Rosebud and Powder
River Counties, Montana: U.S. Geol. Survey Bull. 1388,
116 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.



COAL RESOURCE OCCURRENCE MAP OF THE YARGER BUTTE QUADRANGLE,
POWDER RIVER COUNTY, MONTANA

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979