

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

EXPLANATION

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

(1) 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 3266
NR 177
R 10+
OIL AND GAS TEST HOLE—Showing drill-hole data, in feet.

(4) ● GL 3403
R 145
C 30(Kn)
R 48
C 10(Br)
R 24
TD 230
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

M-W—Mackin-Walker
Sa—Sawyer
Kn—Knobloch
Kn—Lower Knobloch
Br—Broadus
L—Local
Te—Terret
C—Contact

COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP—Dashed where approxi-
mately 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 in-
dicates the net coal thickness (upper number) and net partings
(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 Bryson
(1952, pl. 1) and Matson and Blumer 1973, pl. 15, 17) 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.

U
D
FAULT—Dashed where approximately located. U, upthrown
side; D, downthrown side.

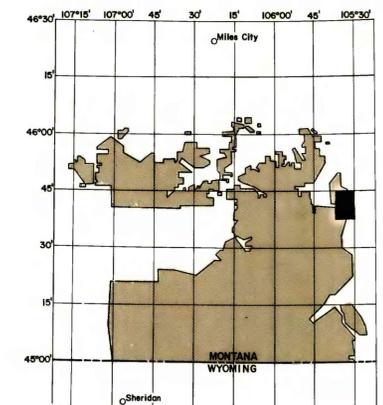
ANTICLINE—Showing crestline. Dashed where approxi-
mately located.

15.4 North Star Mine
COAL MINE—Showing mine name and thickness of coal bed,
in feet.

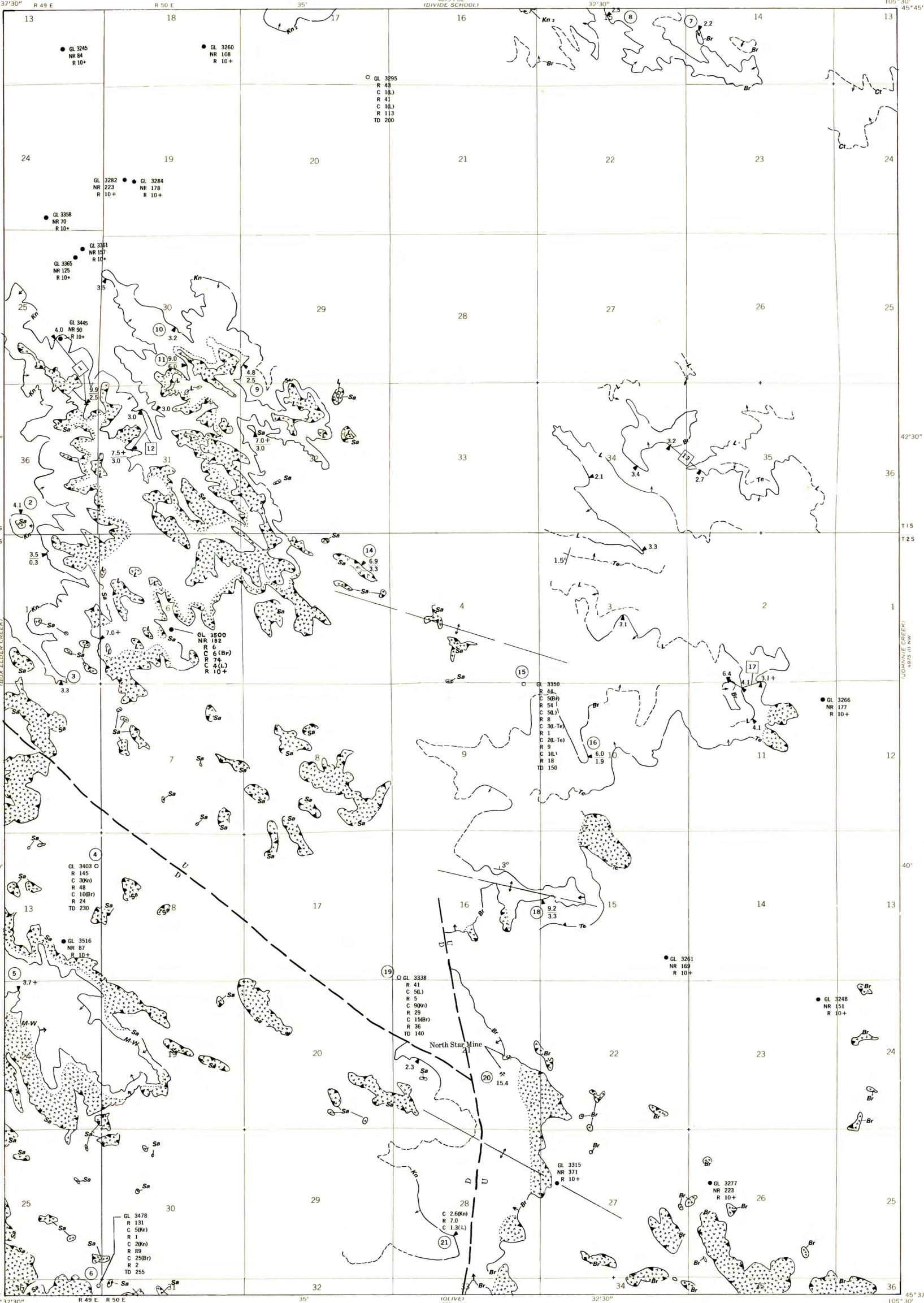
To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

Bryson, R. P., 1952, The Coalwood coal field, Powder River
County, Montana: U.S. Geol. Survey Bull. 973-B, p. 23-106.
Matson, R. E., and Blumer, J. W., 1973, Quality and reserves of
strippable coal, selected deposits, southeastern Montana:
Montana Bur. Mines and Geology Bull. 91, 135 p.



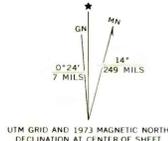
INDEX MAP—Showing location of the Coalwood quadrangle
and the Northern Powder River Basin Known Recoverable
Coal Resource Area (stippled), Montana



Base map from U.S. Geological Survey, 1973

SCALE 1:24 000

Compiled in 1977



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

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979