

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

EXPLANATION

● GL 3256  
NR 94  
R 10+  
OIL AND GAS TEST HOLE—Showing index number of  
hole shown on plate 3 of CRO map and drill-hole data,  
in feet.

①  
INDEX NUMBER OF MEASURED SECTION SHOWN  
ON PLATE 3 OF CRO MAP—Coal section measured at  
point of triangle.

— 10 —  
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.

⑧  
O GL 3365  
R 52  
C 26 (B)  
R 43  
TD 160  
COAL TEST HOLE—Showing index number of holes shown  
on plate 3 of CRO map, and drill-hole data, in feet.

GL—Ground elevation  
R—Rock interval  
C—Coal interval  
TD—Total depth  
DRILL-HOLE DATA SYMBOLS

M-W—Mackin-Walker  
S—Sawyer  
Sa—Upper Sawyer  
Kn—Knobloch  
L—Local  
Br—Broadus  
COAL BED SYMBOLS AND NAMES

4.0 C 38 (Kn)  
R 10.7  
C 0.8 (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. 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 (1952, pl. 1) 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.

ANTICLINE—Showing crestline. Dashed where  
approximately located.

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

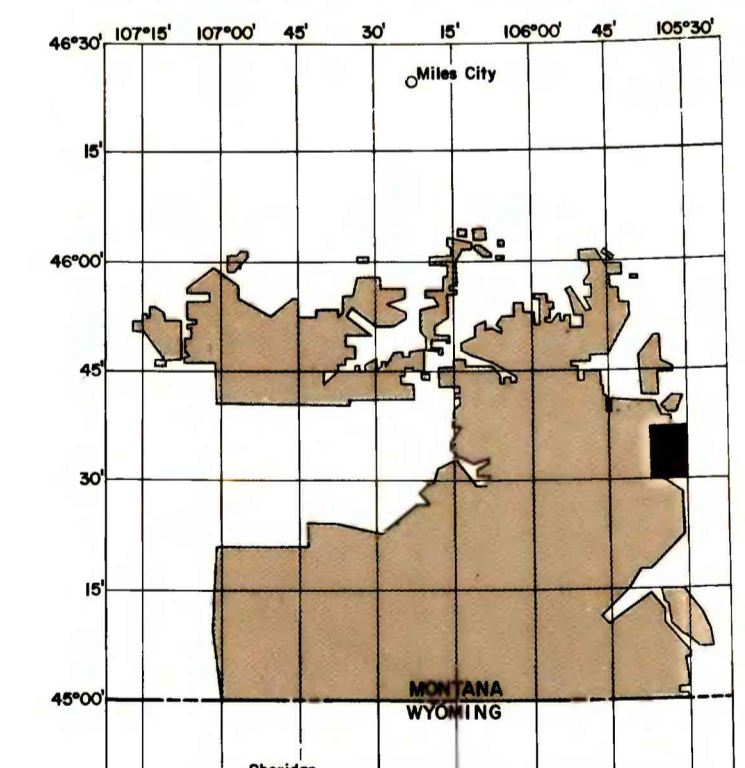
To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

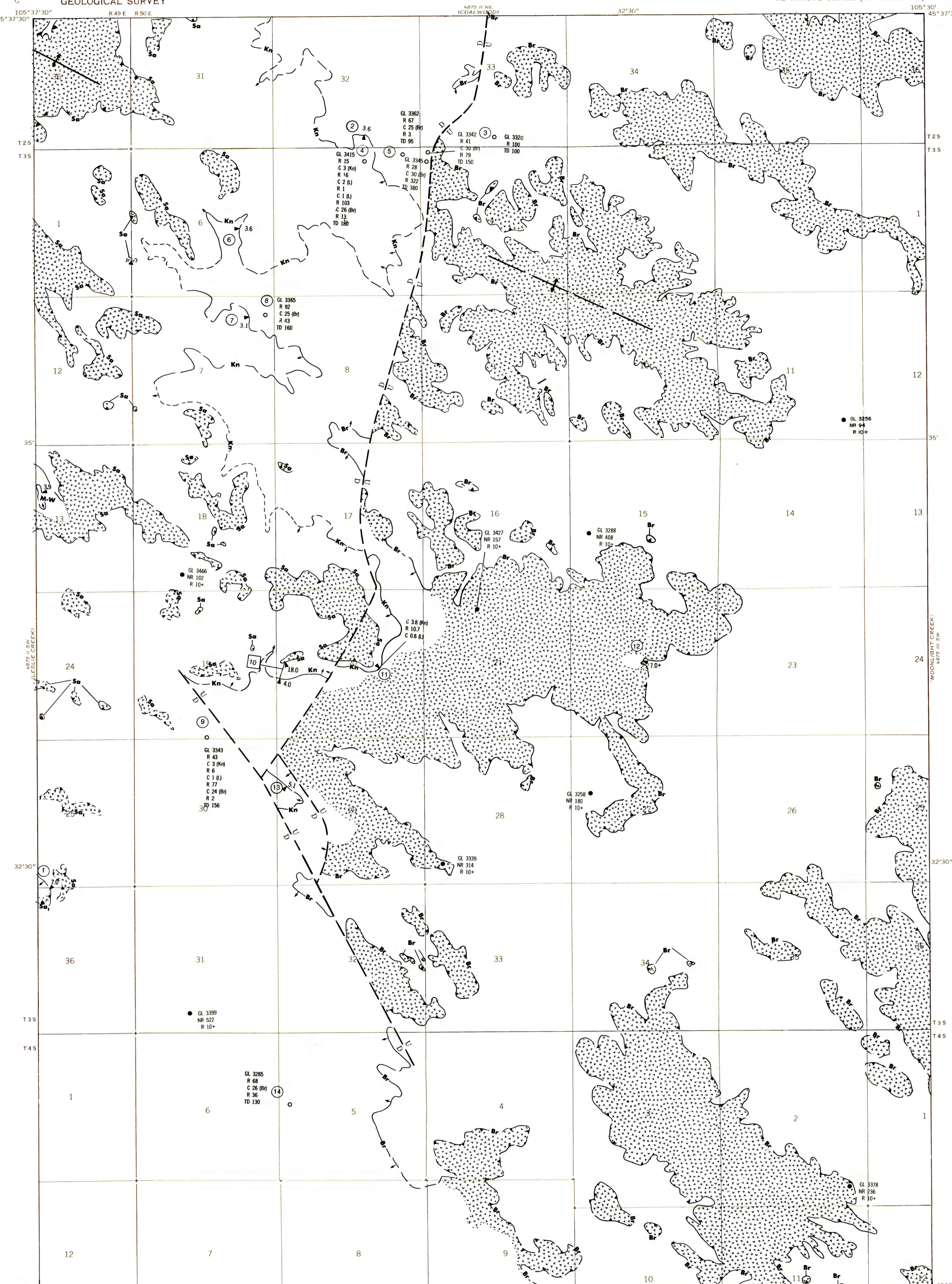
BRYSON, R.P., 1952, The Coalwood coal field, Powder  
River County, Montana: U.S. Geol. Survey Bull. 973-B,  
p. 23-106.

MATSON, R.E., and BLUMER, J.W., 1973, Quality and  
reserves of strippable coal, selected deposits, south-  
eastern Montana: Mont. Bur. Mines and Geol. Bull. 91,  
135 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.



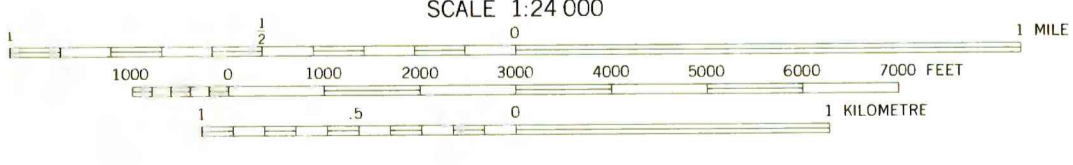
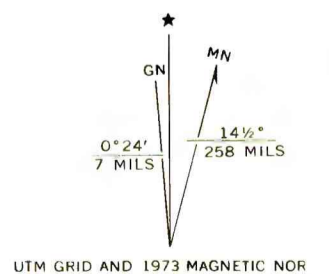
INDEX MAP—Showing location of the Olive quadrangle  
and the Northern Powder River Basin Known Recoverable  
Coal Resource Area (stippled), Montana.



Base map from U.S. Geological Survey, 1973

SCALE 1:24 000

Compiled in 1977



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