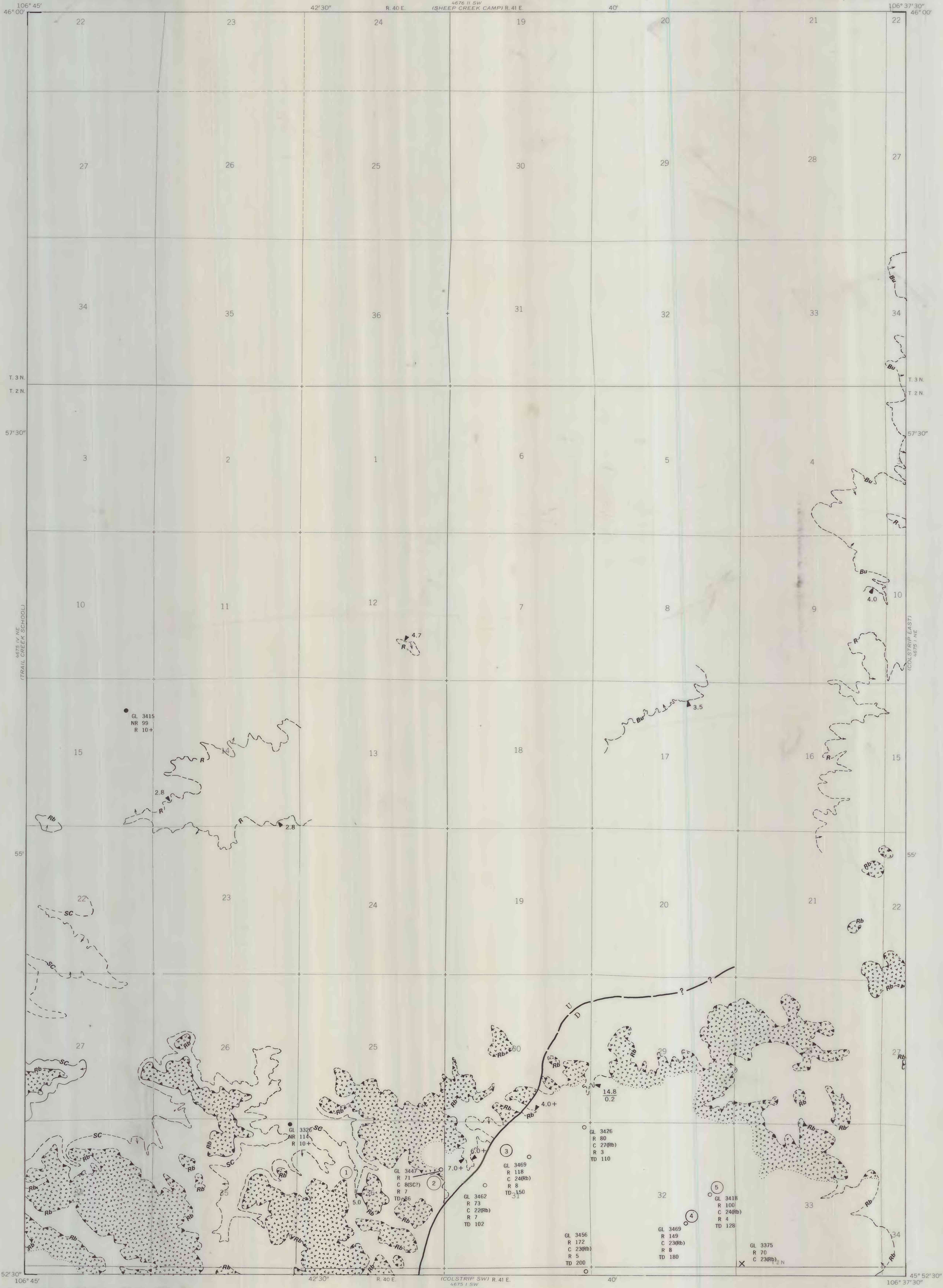


This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.



EXPLANATION

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



GL 3326
NR 114
R 10+

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

GL 3447
R 71
C 88(C7)
R 7
TD 86

COAL TEST HOLE—Showing index number of hole shown on Plate 3 of CRO map, and drill-hole data, in feet. Ground elevations of test holes taken from plate 14 of Matson and Blumer (1978) have been raised 35 feet per original author of plate 14 (oral commun., C. M. Carmichael, Nov. 1977).

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

DRILL-HOLE DATA SYMBOLS

Rb—Rosebud
SC—Stocker Creek
R—Robinson
Bu—Burley

COAL BED SYMBOLS AND NAMES

7.0+ 14.8
0.2

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 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 Dobbin (1980, pl. 7) and Matson and Blumer (1978, pl. 14) 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.

U
D

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

R 70
X C 23(Rb)

COAL PROSPECT—Showing rock-coal interval thicknesses, in feet.

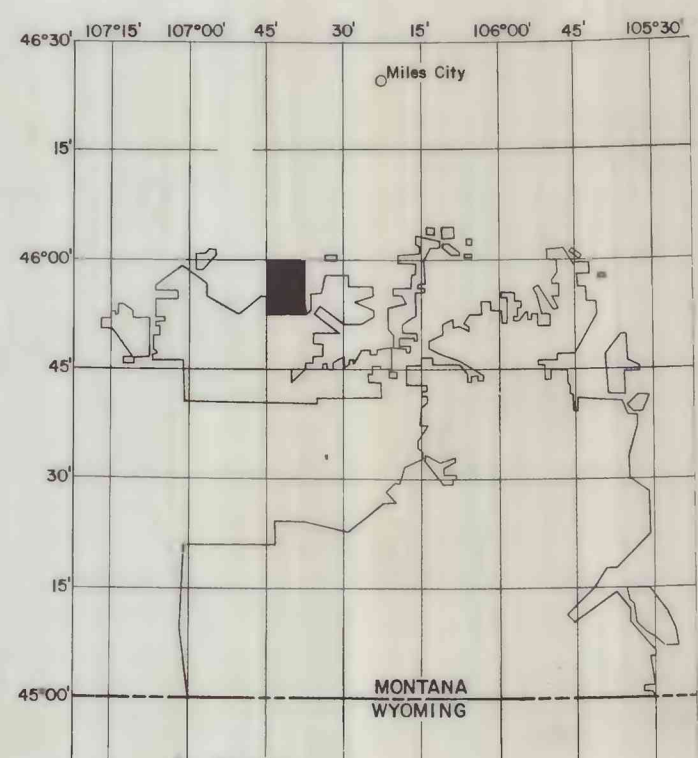
To convert feet to meters, multiply feet by 0.8048.

REFERENCES FOR NON-INDEXED DATA POINTS

Dobbin, C. E., 1980, The Forsyth coal field, Rosebud, Treasure, and Big Horn Counties, Montana: U.S. Geol. Survey Bull. 812-A, p. 1-55.

Kepferle, R. C., 1954, Selected deposits of strippable coal in central Rosebud County, Montana: U.S. Geol. Survey Bull. 995-I, p. 333-381.

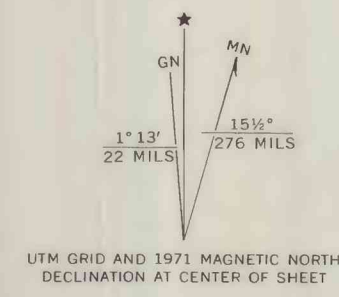
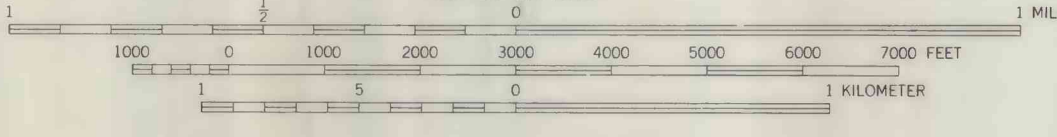
Matson, R. E., and Blumer, J. W., 1978, Quality and reserves of strippable coal, selected deposits, southern Montana: Montana Bur. Mines and Geology Bull. 91, 135 p.



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

Base map from U.S. Geological Survey, 1971

SCALE 1:24,000



Compiled in 1977

COAL RESOURCE OCCURRENCE MAP OF THE COLSTRIP WEST QUADRANGLE,
ROSEBUD COUNTY, MONTANA

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1978