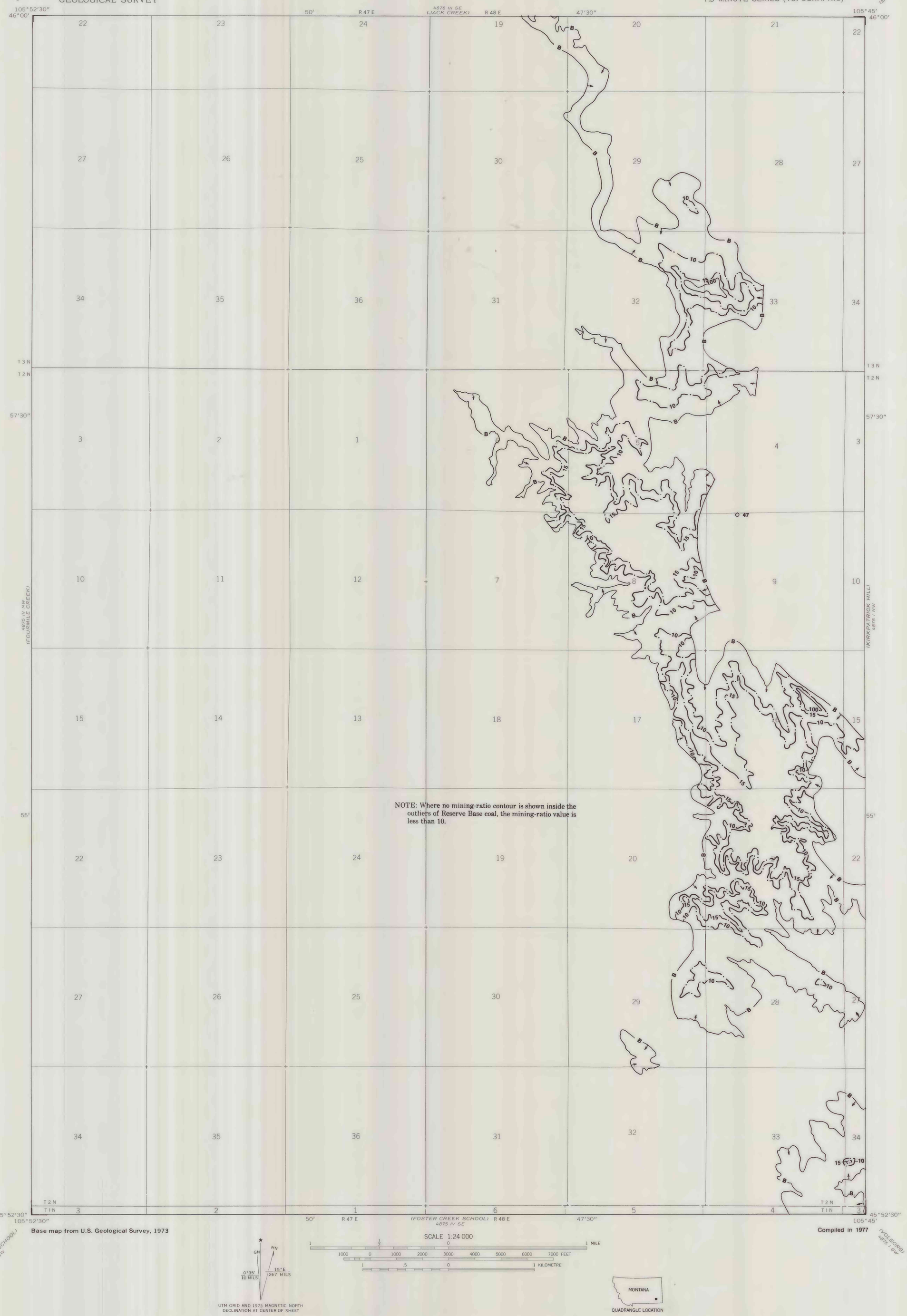
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CAREY-MALONE SCHOOL QUADRANGLE
MONTANA—CUSTER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 78-837
PLATE 5 OF 11

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



NOTE: Where no mining-ratio contour is shown inside the outliers of Reserve Base coal, the mining-ratio value is less than 10.

EXPLANATION

100

OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. The 100-foot isopach is omitted where it is too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m).

B

BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach, and/or an insufficient data line. Arrows point toward area of coal 5 feet or more thick.

○ 47

DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

10

MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert feet to meters, multiply feet by 0.3048.

To convert yds³/ton to m³/metric ton, multiply yds³/ton by 0.842.

Base map from U.S. Geological Survey, 1973

Compiled in 1977

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETRE

QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE CAREY-MALONE SCHOOL QUADRANGLE, CUSTER COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1978

PLATE 5

OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE FLOWERS-GOODALE COAL BED