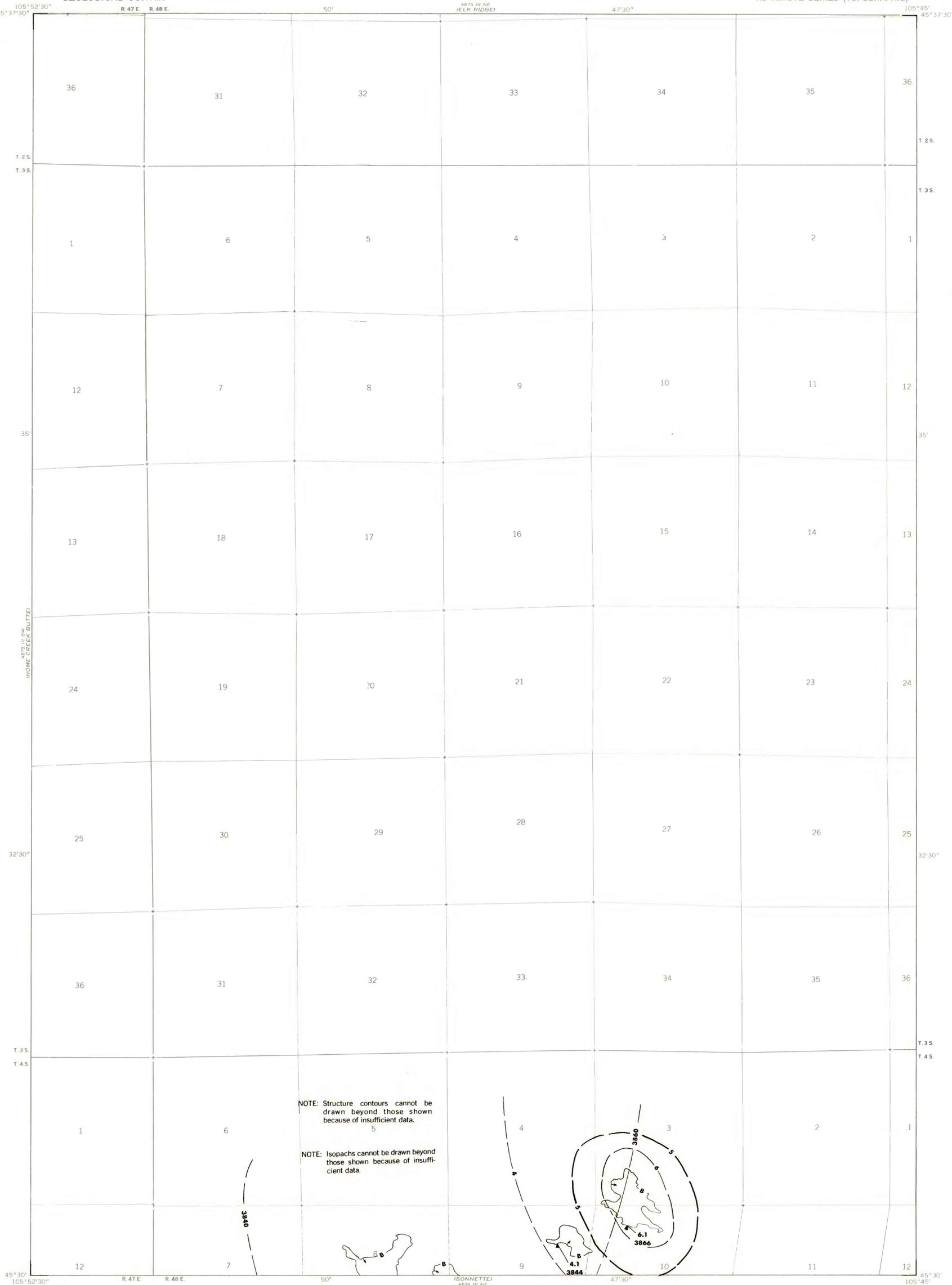


OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.



EXPLANATION

5
6

ISOPACHS OF THE COAL BED—Showing thickness, in feet. Isopach interval 1 foot.

3840
3860

STRUCTURE CONTOURS—Drawn on the top of the coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea level.

4.1
B 3844

BOUNDARY OF COAL DEPOSIT—Drawn along the outcrop of coal bed and/or the contact between burned and unburned coal (dashed where inferred by present author beyond the limits of original data). Arrows point toward coal-bearing area. Numbers at triangle are coal bed thickness and altitude at the top of the coal bed, measured in feet.

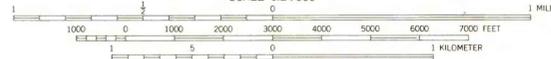
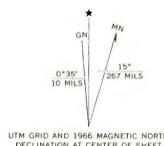
To convert feet to meters, multiply feet by 0.3048.

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

NOTE: Structure contours cannot be drawn beyond those shown because of insufficient data.

NOTE: Isopachs cannot be drawn beyond those shown because of insufficient data.

Base map from U.S. Geological Survey, 1966
SCALE 1:24,000
Compiled in 1977



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

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 7
ISOPACH AND STRUCTURE CONTOUR MAP OF
THE LOWER SPLIT OF
THE COOK COAL BED