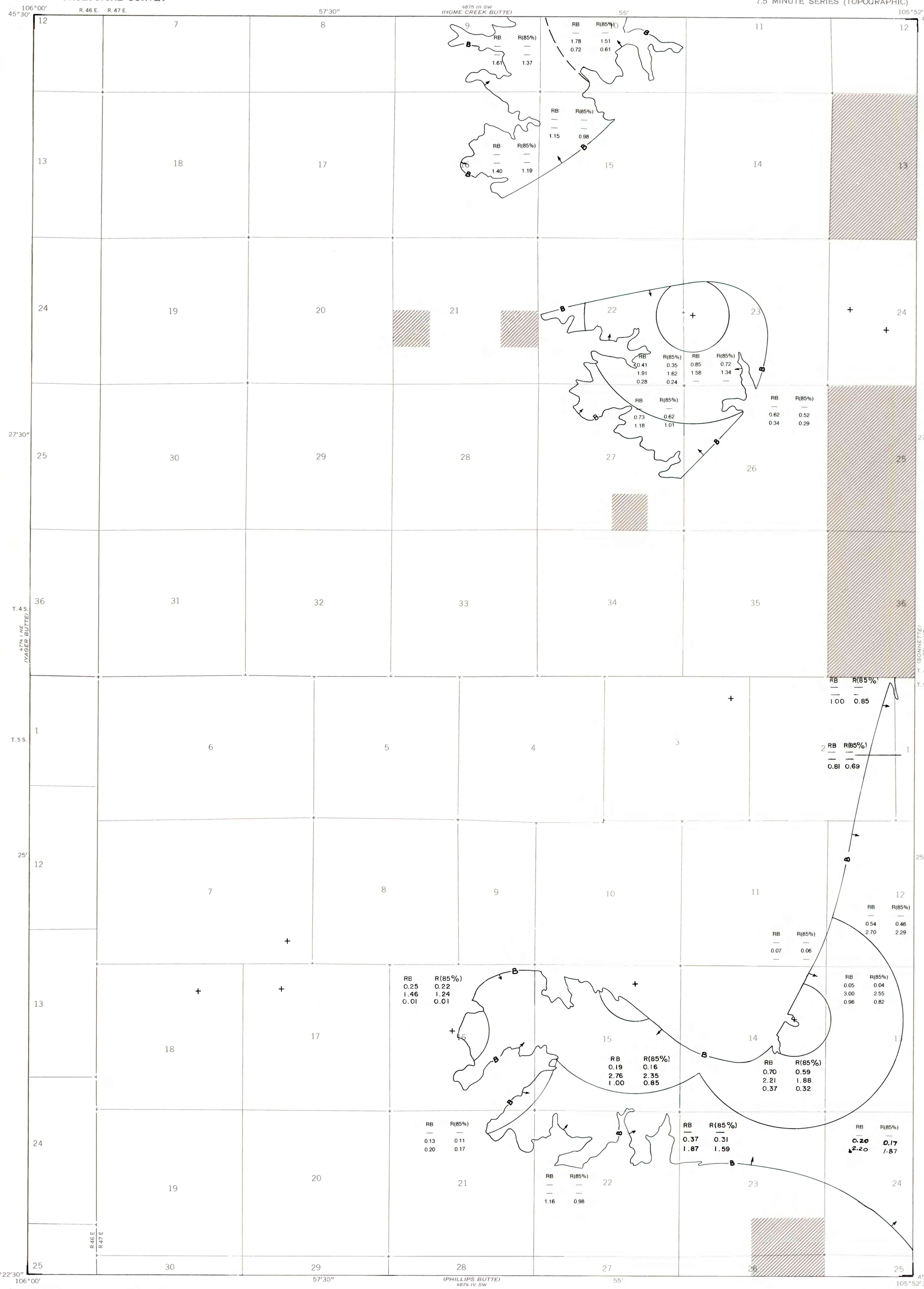
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THREEMILE BUTTES QUADRANGLE
MONTANA—POWDER RIVER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-100
PLATE 12 OF 52



Base map from U.S. Geological Survey, 1966

Compiled in 1977

SCALE 1:24 000

1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

GN MN
0°40′ 12 MILS
15° 267 MILS
UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

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

EXPLANATION

NON-FEDERAL COAL LAND— Land for which the Federal Government does not own the coal rights.

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. Arrows point toward area of coal 5 feet or more thick.

+
POINT OF MEASUREMENT ON COAL BED

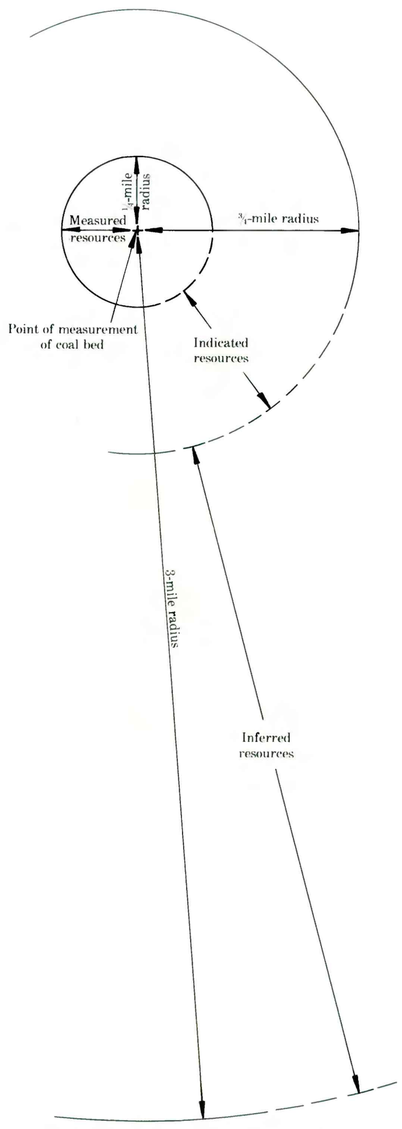


DIAGRAM SHOWING COMPONENT AREAS OF IDENTIFIED COAL RESOURCES—Shows arcuate boundary lines enclosing areas of measured, indicated, and inferred coal resources. Boundaries of areas are dashed where projected from an adjacent quadrangle. Areas of measured, indicated, or inferred resources may be present on this map without their outer boundaries being shown. Coal resources beyond the inferred category are hypothetical resources.

RB	R(85%)	
—	—	(Measured resources)
0.37	0.31	(Indicated resources)
1.87	1.59	(Inferred resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of a section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (85 percent) = Reserves (R).

NOTE: No stripping-limit line is shown because there is more than 500 feet of overburden above the coal that is 5 feet (1.5 m) or more thick.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.

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

PLATE 12
AREAL DISTRIBUTION AND TONNAGE MAP OF IDENTIFIED RESOURCES OF THE FERRY COAL BED