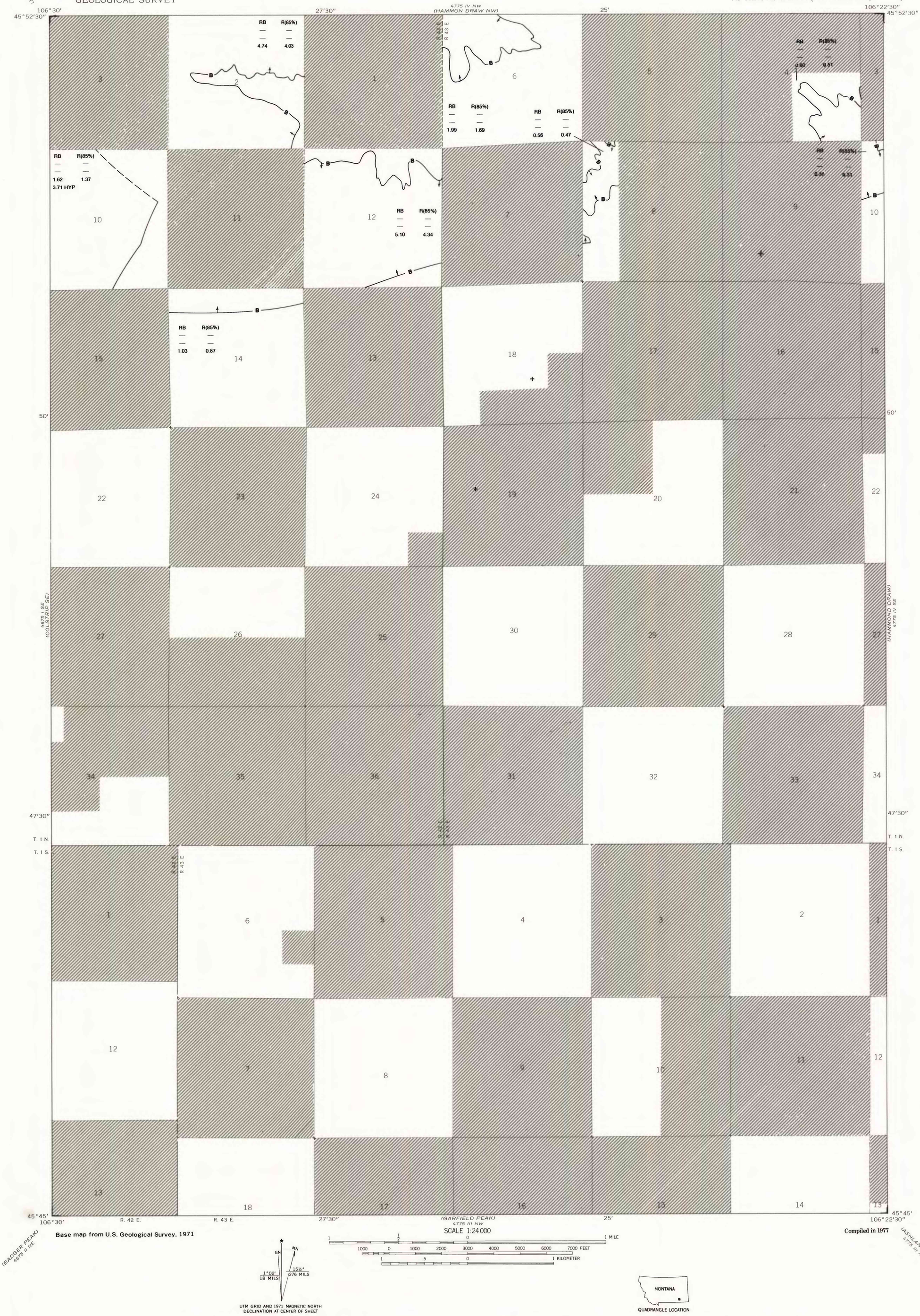
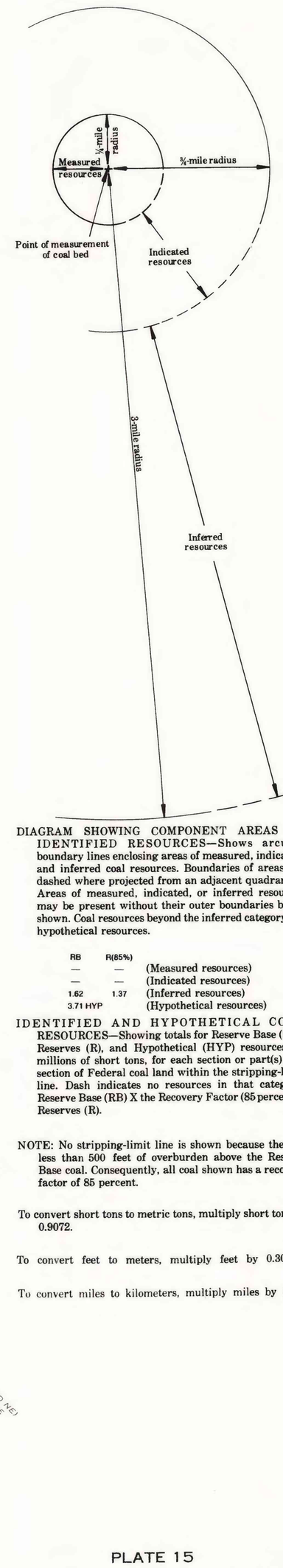
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# HAMMOND DRAW SW QUADRANGLE
MONTANA—ROSEBUD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)




Base map from U.S. Geological Survey, 1971

Compiled in 1977

SCALE 1:24 000

1 MILE
7000 FEET
1 KILOMETER

GN MN
1°02′ 18 MILS
15½° 276 MILS
UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

(BADGER PEAK) 4675 II NE
(GARFIELD PEAK) 4775 III NW
(ASHLAND NE) 4775 III NE

OPEN FILE REPORT 79-012
PLATE 15 OF 16

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

\+ POINT OF MEASUREMENT ON COAL BED

DIAGRAM SHOWING COMPONENT AREAS OF IDENTIFIED 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 without their outer boundaries being shown. Coal resources beyond the inferred category are hypothetical resources.

| RB | R(85%) | |
|---|---|---|
| — | — | (Measured resources) |
| — | — | (Indicated resources) |
| 1.62 | 1.37 | (Inferred resources) |
| 3.71 HYP | | (Hypothetical resources) |

IDENTIFIED AND HYPOTHETICAL COAL RESOURCES—Showing totals for Reserve Base (RB), Reserves (R), and Hypothetical (HYP) resources, 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 less than 500 feet of overburden above the Reserve Base coal. Consequently, all coal shown has a recovery factor of 85 percent.

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 HAMMOND DRAW SW QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 15

AREAL DISTRIBUTION AND TONNAGE MAP OF IDENTIFIED AND HYPOTHETICAL RESOURCES OF THE BURLEY COAL BED