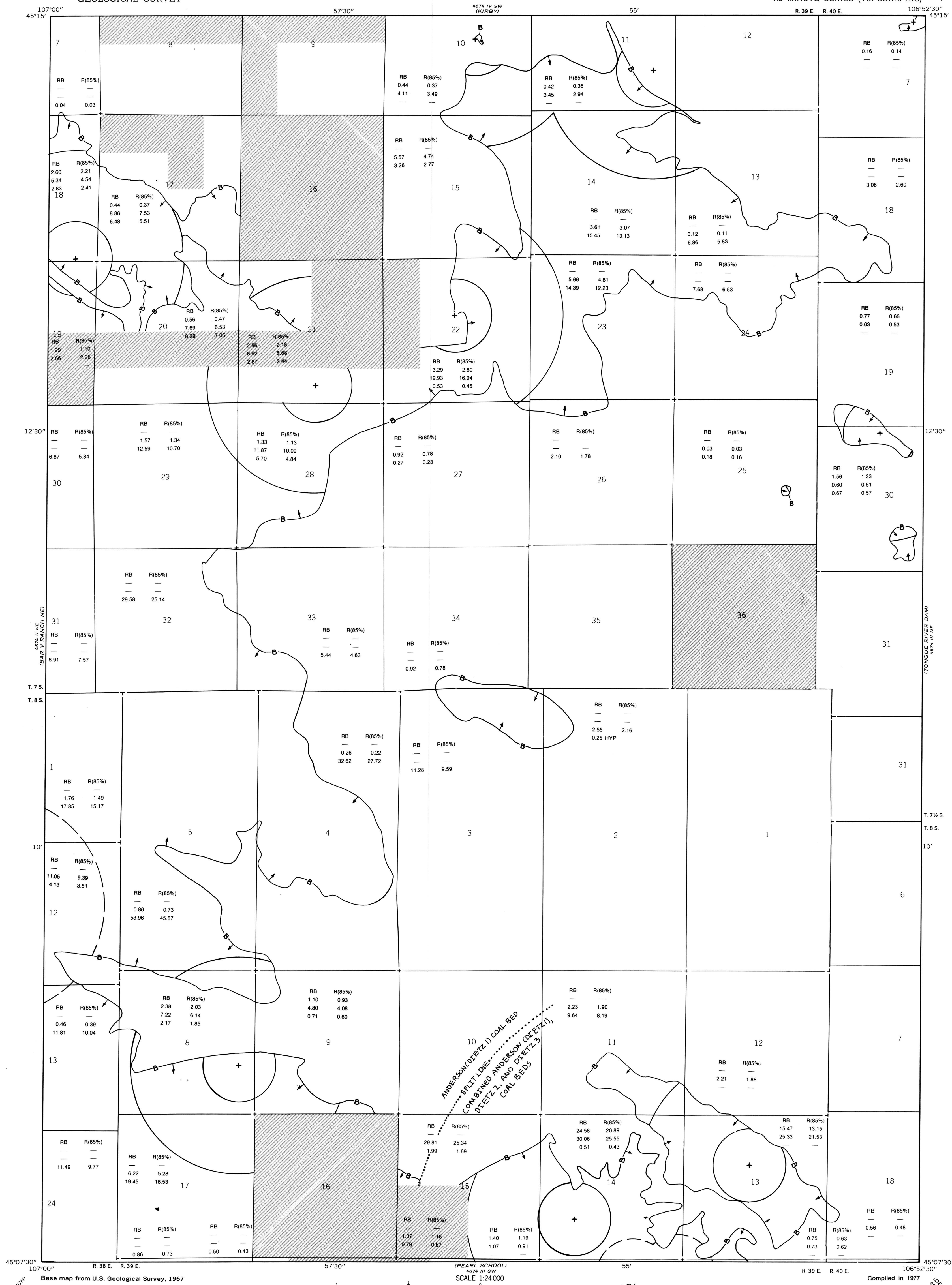


OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

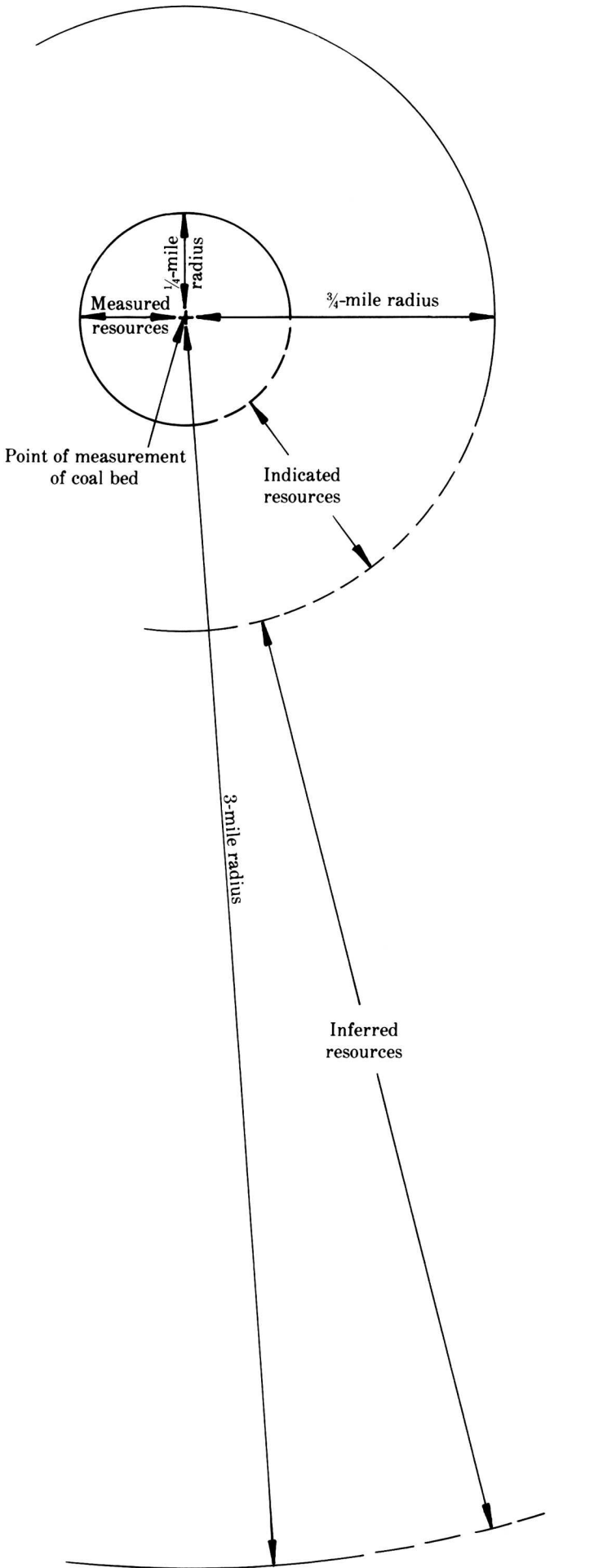


**EXPLANATION**

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

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

POINT OF MEASUREMENT ON COAL BED



Measured resources  
Indicated resources  
Inferred resources  
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 miles to kilometers, multiply miles by 1.61.

To convert feet to meters, multiply feet by 0.3048.

**COAL RESOURCE OCCURRENCE MAP OF THE HALF MOON HILL QUADRANGLE,  
BIG HORN COUNTY, MONTANA**

BY  
**COLORADO SCHOOL OF MINES RESEARCH INSTITUTE**  
1979

PLATE 13  
**AREAL DISTRIBUTION AND TONNAGE  
MAP OF IDENTIFIED AND  
HYPOTHETICAL RESOURCES OF THE  
ANDERSON (DIETZ 1) COAL BED AND  
THE COMBINED ANDERSON (DIETZ 1),  
DIETZ 2, AND DIETZ 3 COAL BEDS**