

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



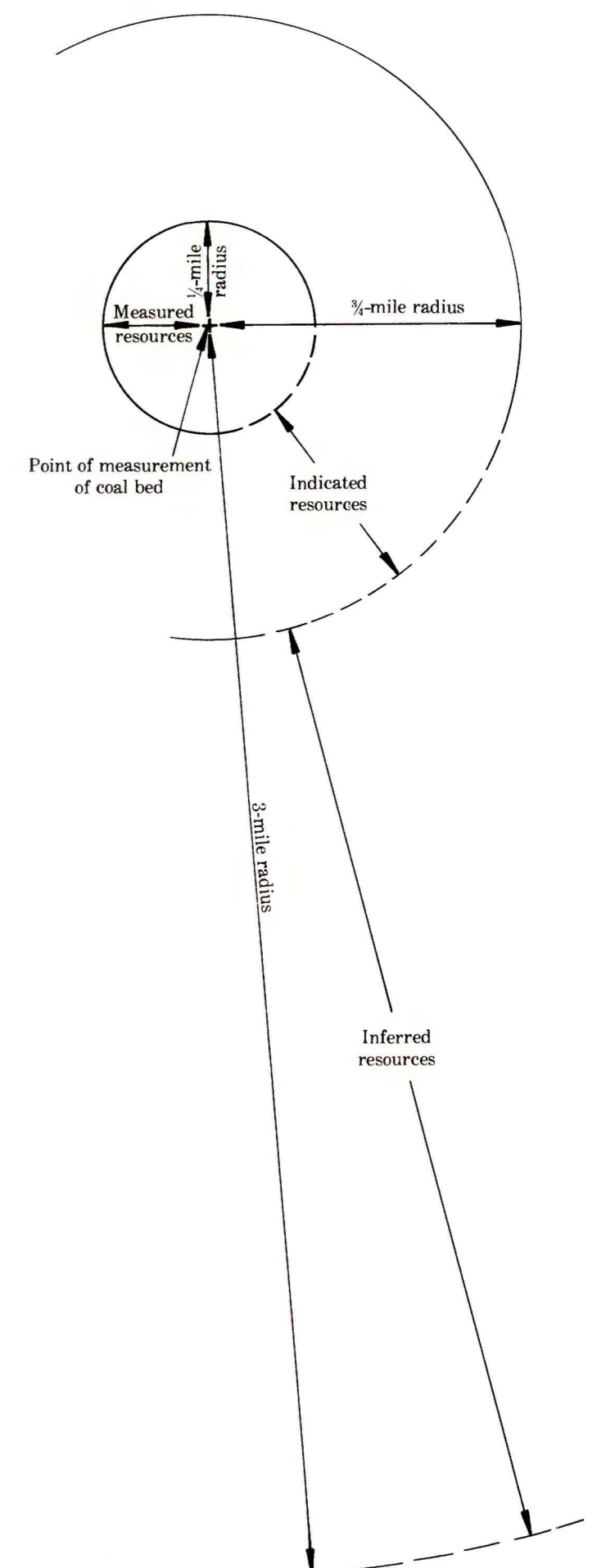
**EXPLANATION**

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

STRIPPING-LIMIT LINE—Boundary for surface mining of the coal bed (in this quadrangle, the 500-foot overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 per cent within that area in this quadrangle.

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



**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).

RB	R(85%)	(Measured resources)
0.58	0.49	(Indicated resources)
8.26	7.02	(Inferred resources)

**IDENTIFIED COAL RESOURCES**—Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of a section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category.

RB	(Measured resources)
0.32	(Indicated resources)
0.32	(Inferred resources)

**NOTE:** Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calculated for the coal bed in areas outside the stripping-limit line.

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

To convert feet to meters, multiply feet by 0.3048.

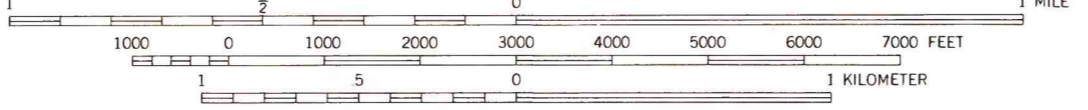
To convert miles to kilometers, multiply miles by 1.61.

Base map from U.S. Geological Survey, 1966

COLEMAN DRAWN  
9/75 H.S.

SCALE 1:24000

Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE BEAVER CREEK SCHOOL QUADRANGLE,  
POWDER RIVER COUNTY, MONTANA**

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

**PLATE 19  
AREAL DISTRIBUTION AND TONNAGE  
MAP OF IDENTIFIED RESOURCES OF  
THE SAWYER COAL BED AND  
THE UPPER SAWYER SPLIT OF  
THE SAWYER COAL BED**