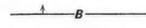


**OPEN-FILE REPORT**  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.  
**OPEN FILE REPORT 78-040**  
**PLATE 38 OF 54**

**EXPLANATION**

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

 **BOUNDARY OF RESERVE BASE COAL**--Drawn along the 5-foot (1.5-m) coal isopach. Arrows point toward area of Reserve Base coal.

 (Measured resources)  
 (Indicated resources)  
 (Inferred resources)

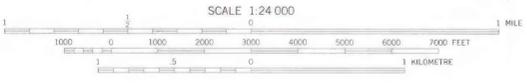
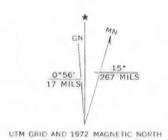
**IDENTIFIED NON-STRIPPABLE COAL RESOURCES**--Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category. Rounded to two significant figures.

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 where the overburden thickness exceeds 200 feet (61 m).

To convert short tons to metric tons, multiply by 0.907.

Base from U.S. Geological Survey, 1972

Compiled in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE HAMILTON DRAW QUADRANGLE, ROSEBUD, BIG HORN, AND POWDER RIVER COUNTIES, MONTANA**

BY  
**W. J. MAPEL, B. K. MARTIN, AND B. A. BUTLER**  
1978

**PLATE 38**  
**IDENTIFIED RESOURCES OF THE OTTER COAL BED**