

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

OPEN FILE REPORT 78-038
PLATE 12 OF 54

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 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area in this quadrangle.

 **BOUNDARY OF RESERVE BASE COAL**--Drawn along the outcrop of coal bed or the contact between burned and unburned coal, and the 5-foot (1.5-m) coal isopach. Arrows point toward area of Reserve Base coal.

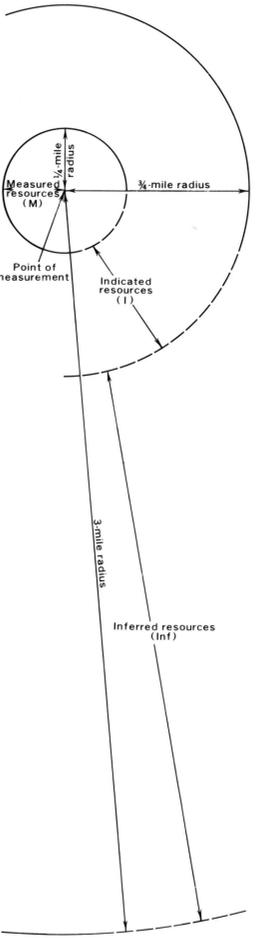
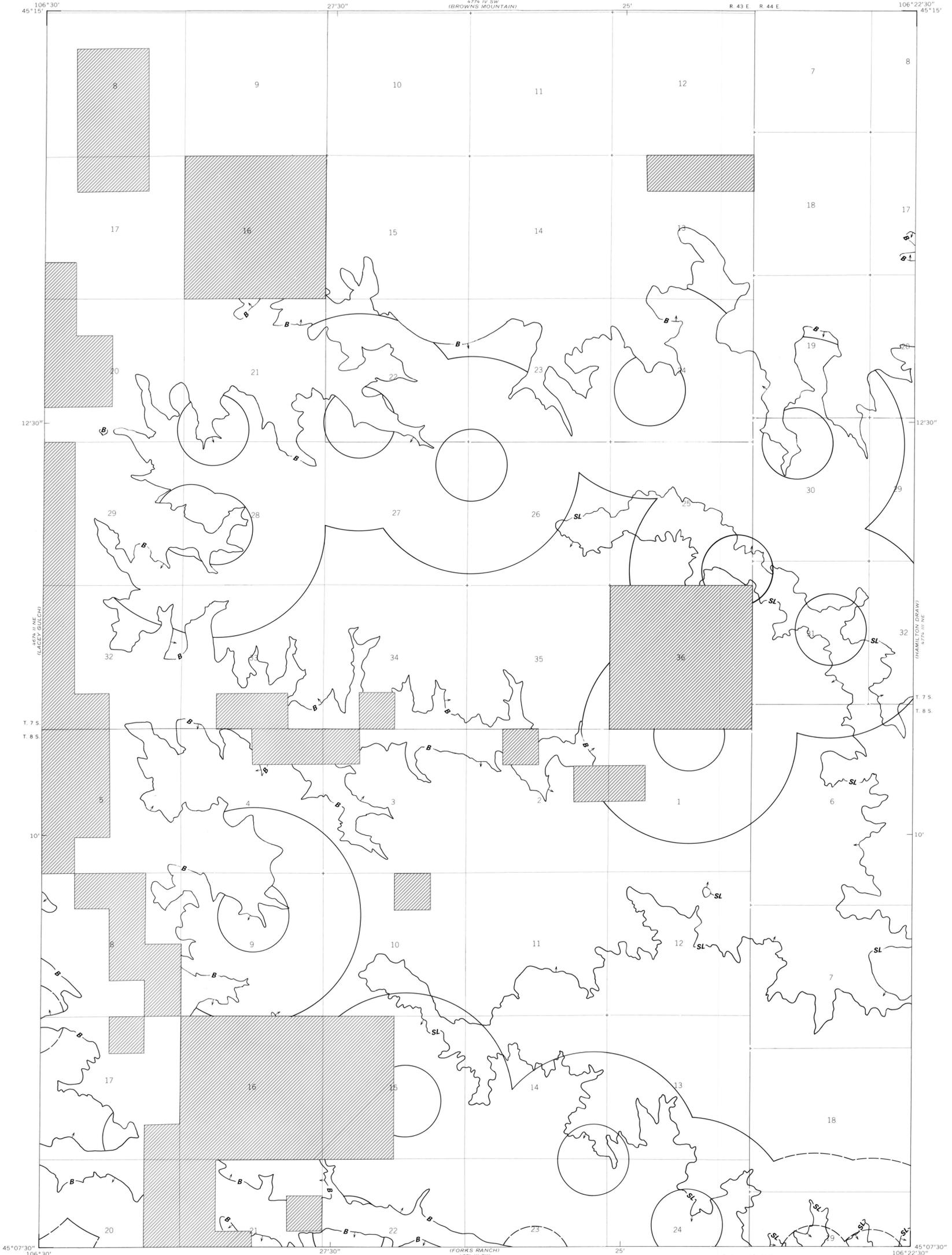


DIAGRAM SHOWING COMPONENT AREAS OF IDENTIFIED COAL RESOURCES--Shows arcuate boundary lines enclosing areas of measured, indicated, and inferred coal resources. Boundaries of areas are dashed where projected from an adjacent quadrangle. Areas of inferred resources may be present on this map without their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

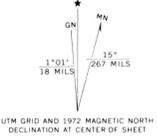
To convert miles to kilometers, multiply miles by 1.6.



Base from U.S. Geological Survey, 1972

SCALE 1:24 000

Compiled in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE
STROUD CREEK QUADRANGLE, ROSEBUD AND BIG HORN COUNTIES, MONTANA**

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

PLATE 12
AREAL DISTRIBUTION OF IDENTIFIED RESOURCES OF THE DIETZ COAL BED