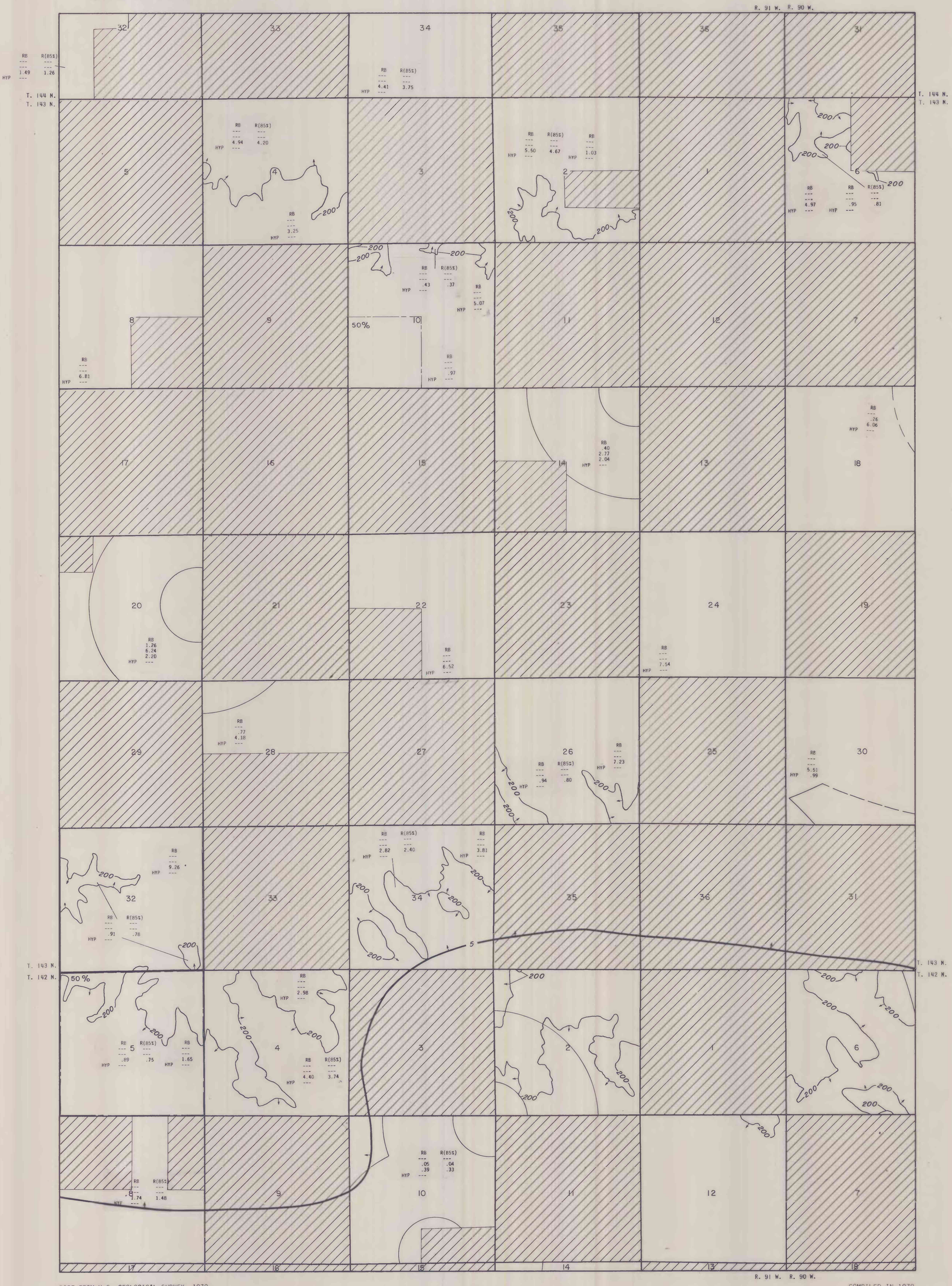
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OPEN FILE REPORT 78-996

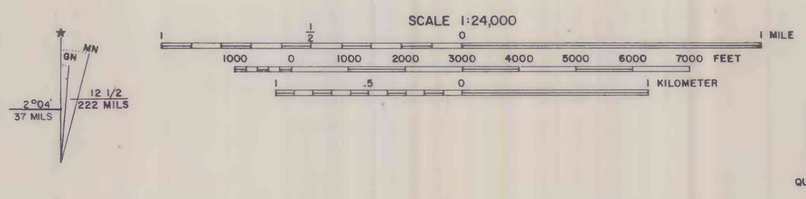
PLATE 16 OF 17

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



BASE FROM U.S. GEOLOGICAL SURVEY, 1970

COMPILED IN 1978



QUADRANGLE LOCATION

EXPLANATION

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

50%

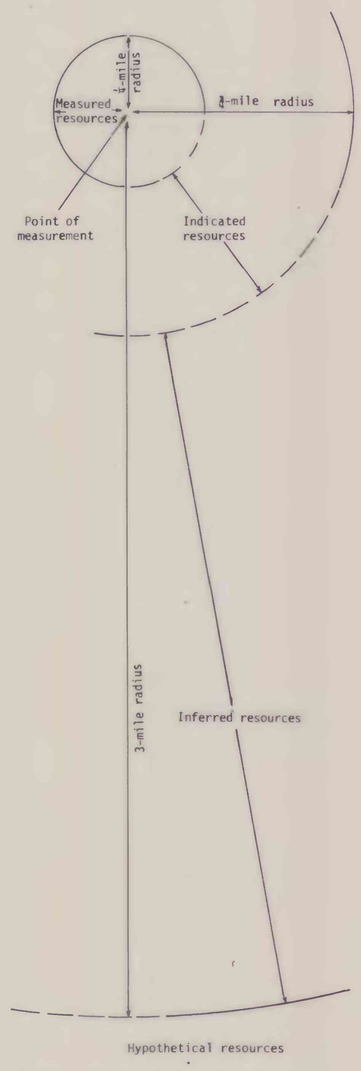
RESTRICTED FEDERAL COAL RIGHTS--Showing the percentage of Federal Government ownership.

5

LIMIT OF RESERVE BASE COAL-- 5 foot coal isopach line. Arrow points toward reserve base coal.

200

200 FOOT OVERBURDEN ISOPACH--Used as boundary for surface mining. Arrows point toward area suitable for surface mining.



BOUNDARY LINES--Showing areas of measured, indicated, inferred, and hypothetical coal resources. Dashed where projected from adjacent quadrangles.

	RB	R(85%)	
	4.8	4.1	(Measured resources)
	42.4	36.0	(Indicated resources)
	65.5	55.7	(Inferred resources)
HYP	1.3		(Hypothetical resources)

IDENTIFIED AND HYPOTHETICAL RESOURCES--Showing totals for Reserve Base (RB) and, in areas suitable for surface mining, Reserves (R), in millions of short tons by section. Dash indicates no resources in that category. Reserve Base (RB) x Recovery Factor (85%) = Reserves (R).

Recovery factors have not been established for underground development of the coal in this quadrangle. Therefore, Reserves(R) were not calculated in areas where the overburden thickness exceeds 200 feet.

To convert feet to meters, multiply feet by 0.3048.

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

COAL RESOURCE OCCURRENCE MAP OF THE SCHAFFNER CREEK QUADRANGLE, DUNN AND MERCER COUNTIES, NORTH DAKOTA

BY

WOODWARD-CLYDE CONSULTANTS

1978

PLATE 16

AREAL DISTRIBUTION, IDENTIFIED AND HYPOTHETICAL RESOURCES OF THE BEULAH-ZAP COAL BED