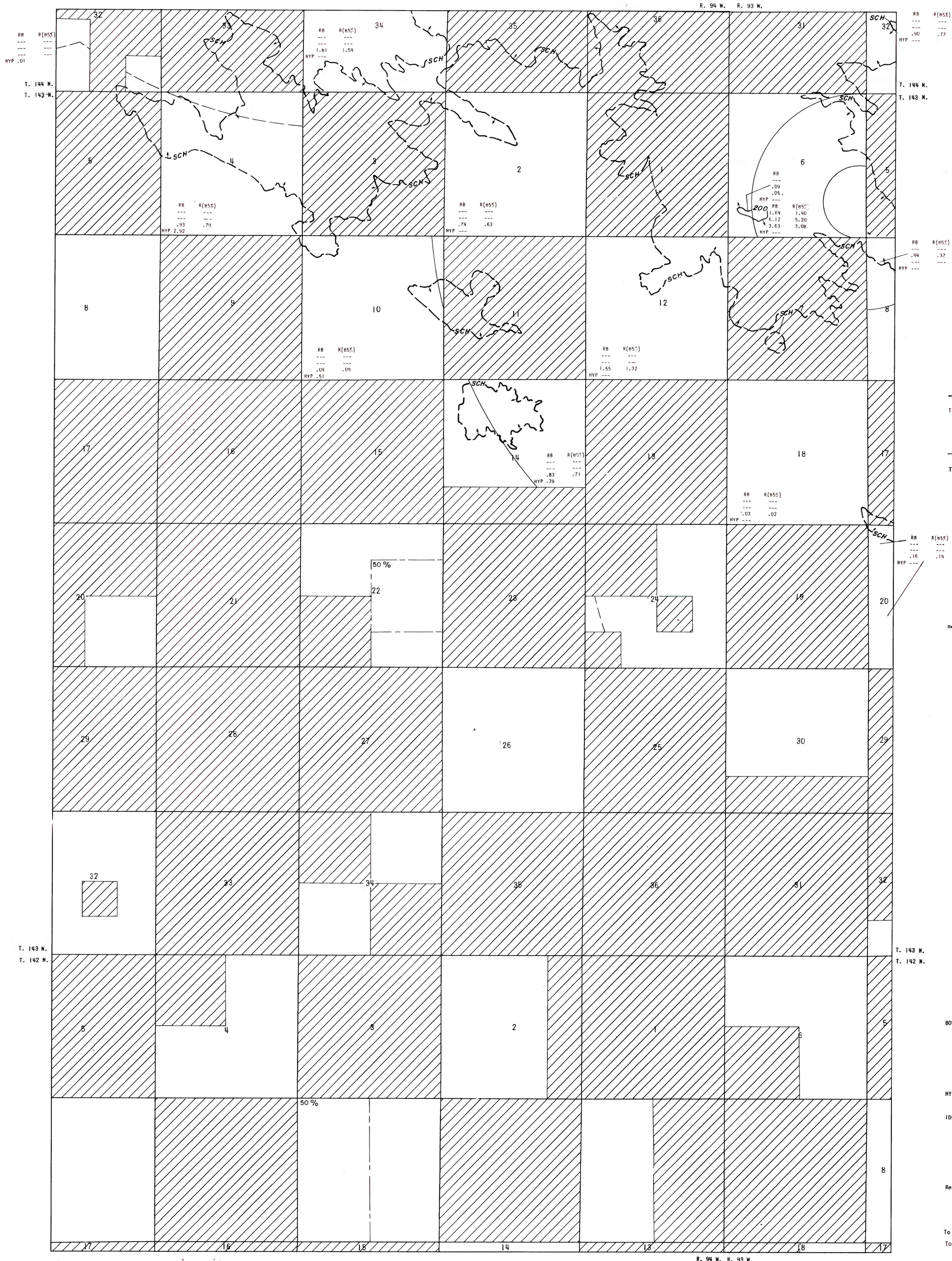
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OPEN FILE REPORT 78-615

PLATE 17 OF 18

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.

50%

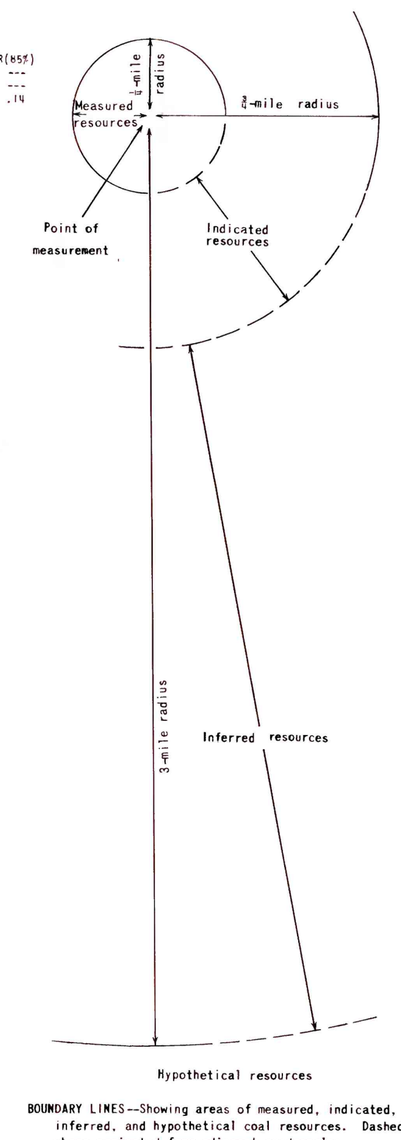
RESTRICTED FEDERAL COAL RIGHTS - Showing the percentage of Federal Government ownership.

SCH

TRACE OF OUTCROP OF THE COAL BED--Trace of inferred coal bed outcrop. Arrow points toward coal bearing area.

200

TRACE OF INFERRED COAL BED OUTCROP--Arrow points toward coal bearing area.



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 reources)
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).

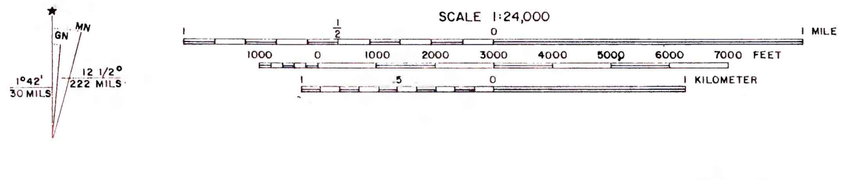
Recovery factors have not been established for underground development of the coal in this quadrangle. Therefore, Reserves (R) were not calculated in areas where the overburden thickness exceeds 200 feet.

To convert feet to meters, multiply feet by 0.3048.

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

BASE FROM U.S. GEOLOGICAL SURVEY, 1970

COMPILED IN 1978



COAL RESOURCE OCCURRENCE MAP OF THE ZINER BUTTE QUADRANGLE, DUNN COUNTY, NORTH DAKOTA

BY

WOODWARD-CLYDE CONSULTANTS

1978

PLATE 17

AREAL DISTRIBUTION, IDENTIFIED AND HYPOTHETICAL RESOURCES OF THE SCHOOLHOUSE COAL BED