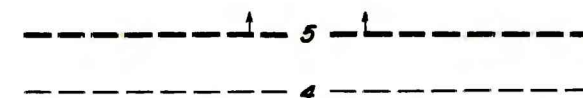


This report has not been edited for
conformity with U.S. Geological
Survey editorial standards or
stratigraphic nomenclature.

EXPLANATION



ISOPACH OF COAL BED--Showing thickness in feet.
Isopach interval 1 foot (0.3m). Arrow points
toward reserve base coal.

40

DRILL HOLE--Showing thickness of the coal bed in feet.
(upper number). Showing value of mining ratio for
the coal bed within stripping limit (lower number).

10

MINING RATIO CONTOUR FOR THE COAL BED--Number indicated cubic
yards of overburden per ton of recoverable coal by surface
mining methods.

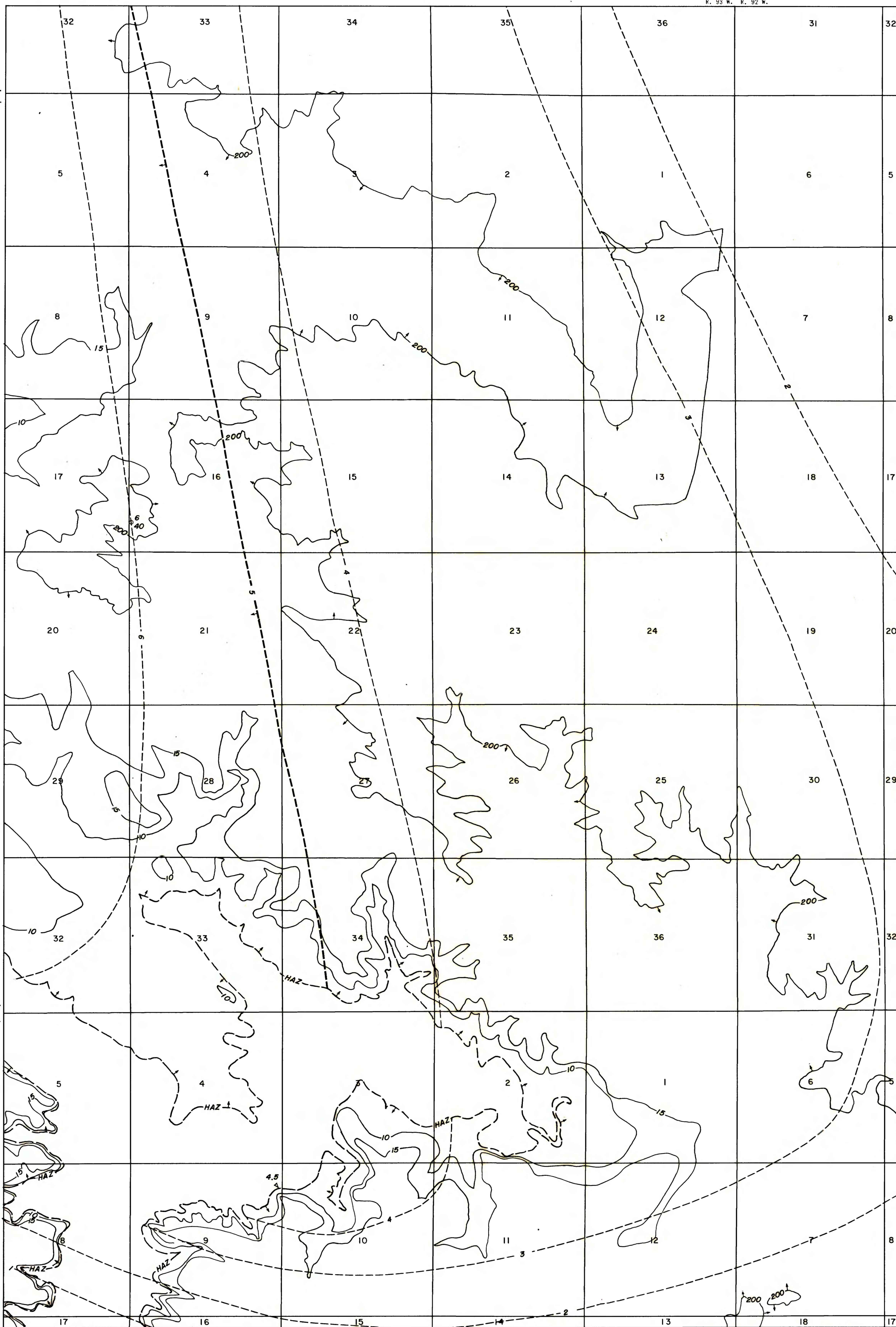
200

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

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

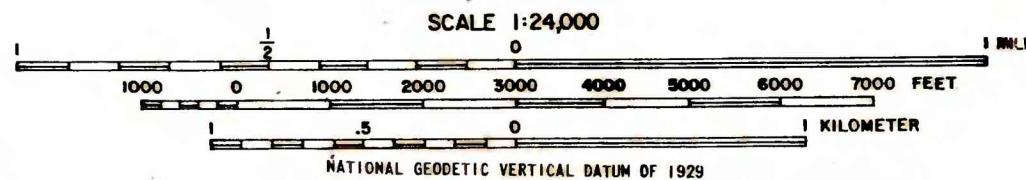
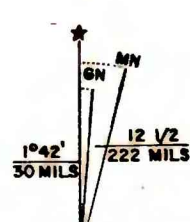
To convert feet to meters, multiply feet by 0.3048.

To convert cubic yards/ton to cubic meters/tonne
multiply by 0.842.



BASE FROM U.S. GEOLOGICAL SURVEY, 1970

COMPILED IN 1978



COAL RESOURCE OCCURRENCE MAP OF THE MARSHALL NW QUADRANGLE,
DUNN COUNTY, NORTH DAKOTA
BY
WOODWARD-CLYDE CONSULTANTS
1978

PLATE 10
ISOPACH AND MINING RATIO MAP
OF THE HAZEN COAL BED