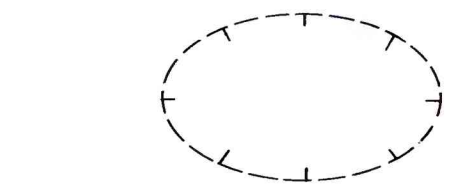
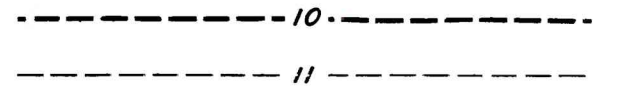


This report has not been edited for
conformity with U.S. Geological
Survey editorial standards or
stratigraphic nomenclature.

EXPLANATION



ISOPACH OF THE COAL BED-- Showing thickness in feet.
Notches indicate an area of local thinning of coal.
Isopach interval 1 foot (0.3m).

8
30

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).

15

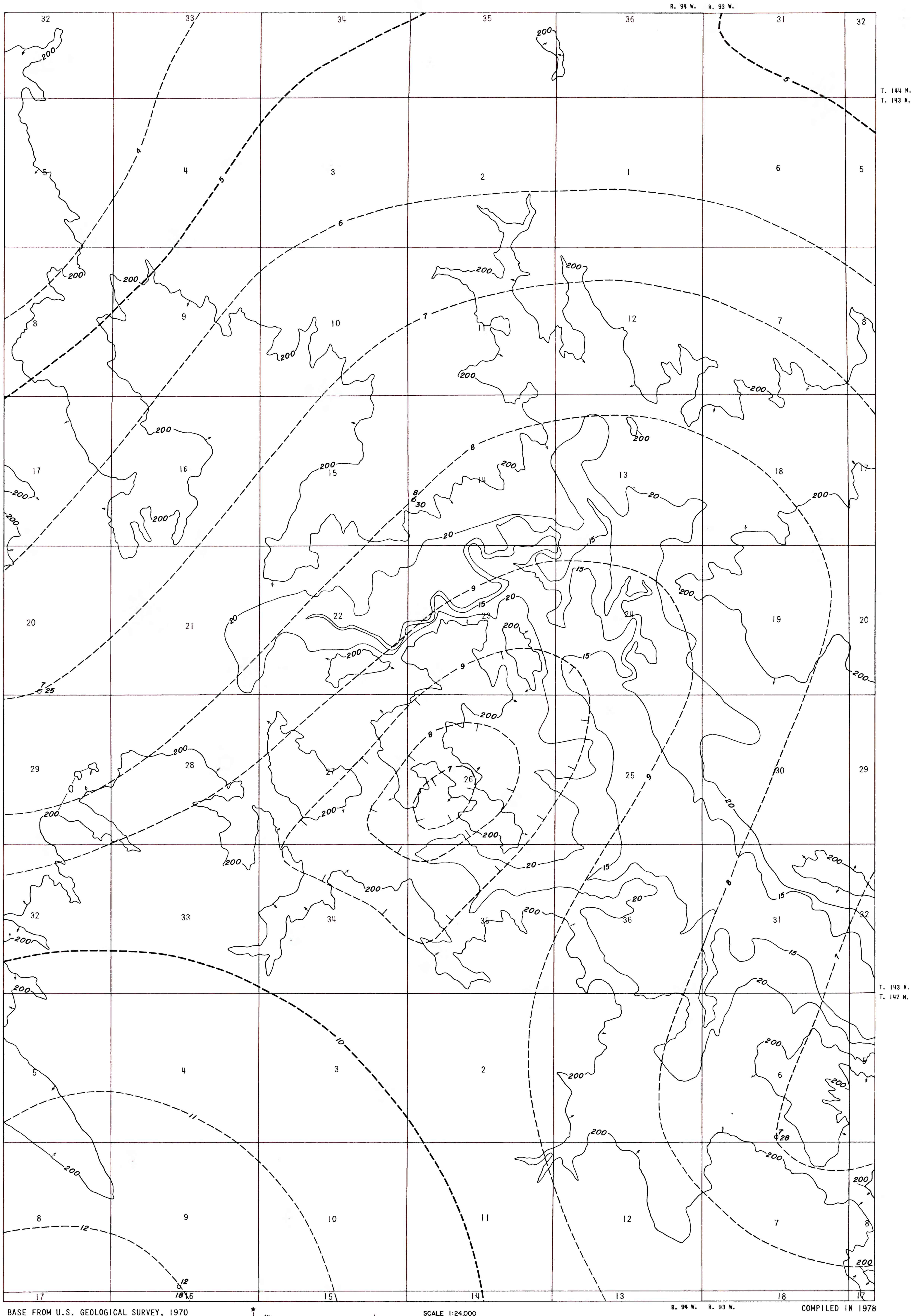
MINING RATIO CONTOUR FOR THE COAL BED--Number indicated cubic
yards of overburden per ton of recoverable coal by surface
mining methods.

200

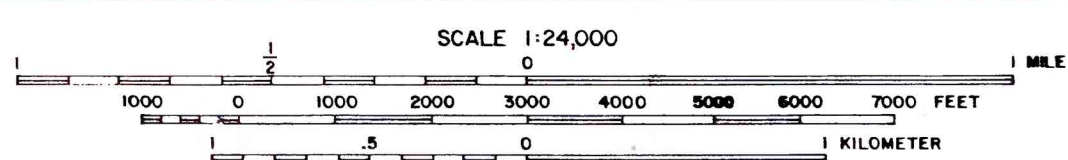
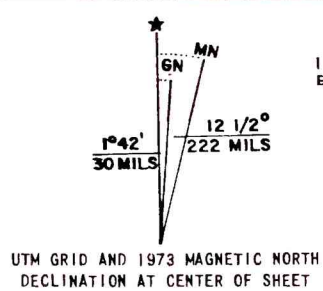
200-FOOT OVERBURDEN ISOPACH--Used as boundary for
surface mining. Arrows point toward area suit-
able for surface mining.

To convert feet to meters, multiply feet by 0.3048.

To convert cubic yards/short ton to cubic meters/
metric ton, multiply by 0.842.



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 7
ISOPACH AND MINING RATIO MAP
OF THE ZINER BUTTE COAL BED