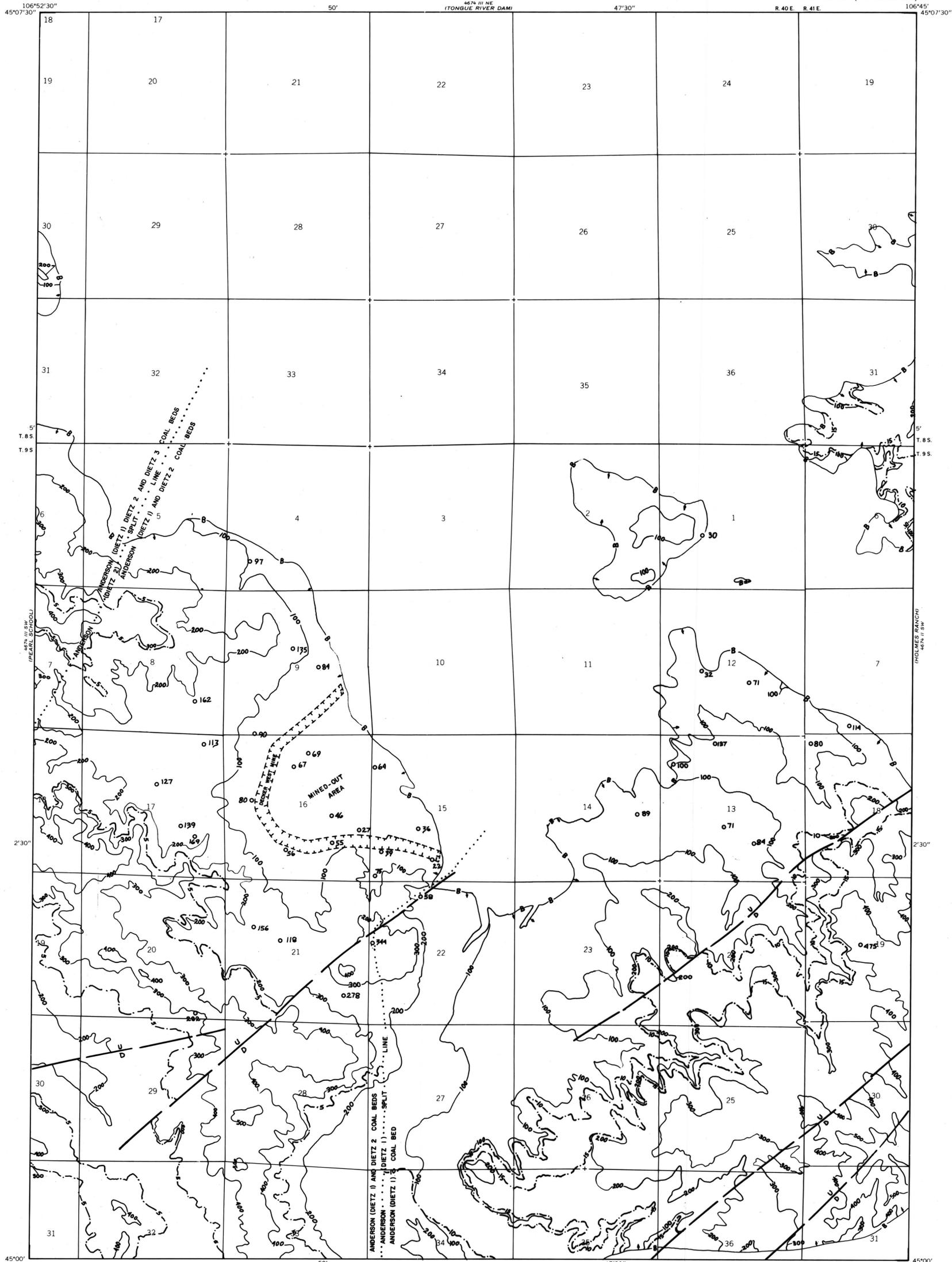


OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.



EXPLANATION

400
OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m).

B
BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach, and/or the fault boundary of the coal, and/or the boundary of the Tongue River Reservoir. Arrows point toward area of coal 5 or more feet thick.

0 84
DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

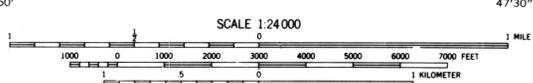
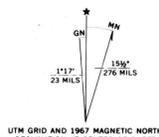
U
D
FAULT—Dashed where approximately located. U, upthrown side; D, downthrown side.

10
MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert feet to meters, multiply feet by 0.3048.
To convert yds/ton to m³/metric ton, multiply yds³/ton by 0.842.

Base map from U.S. Geological Survey, 1967

Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE DECKER QUADRANGLE,
BIG HORN COUNTY, MONTANA**
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 14
OVERBURDEN ISOPACH AND MINING-RATIO
MAP OF THE ANDERSON (DIETZ 1) COAL BED,
THE COMBINED ANDERSON (DIETZ 1) AND
DIETZ 2 COAL BEDS, AND THE COMBINED
ANDERSON (DIETZ 1), DIETZ 2 AND
DIETZ 3 COAL BEDS