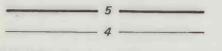


COAL ISOPACH MAP

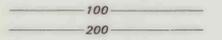
Base from U.S. Geological Survey, 1962

Compiled in 1979

STRUCTURE CONTOURS—Drawn on top of coal bed. Solid where vertical accuracy within 50 feet; long dashed where vertical accuracy possibly not within 50 feet; short dashed where projected above land surface. Contour interval is 100 feet (30.5 m). Datum is mean sea level.



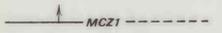
ISOPACHS—Showing thickness of coal, in feet. Long dashed where inferred, short dashed where projected above land surface. Isopach interval 1 foot.



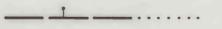
OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to top of the MCZ1 coal bed. Isopach interval 100 feet (30.5 m).



POINT OF MEASUREMENT—Showing altitude of top of coal bed, in feet, or showing thickness of coal, in feet.



TRACE OF COAL BED OUTCROP—Showing symbol of name of coal bed. Arrow points toward coal-bearing area. Dashed where inferred by present authors.

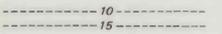


FAULT—Dashed where approximately located; bar and half on downthrown side; dotted where concealed.



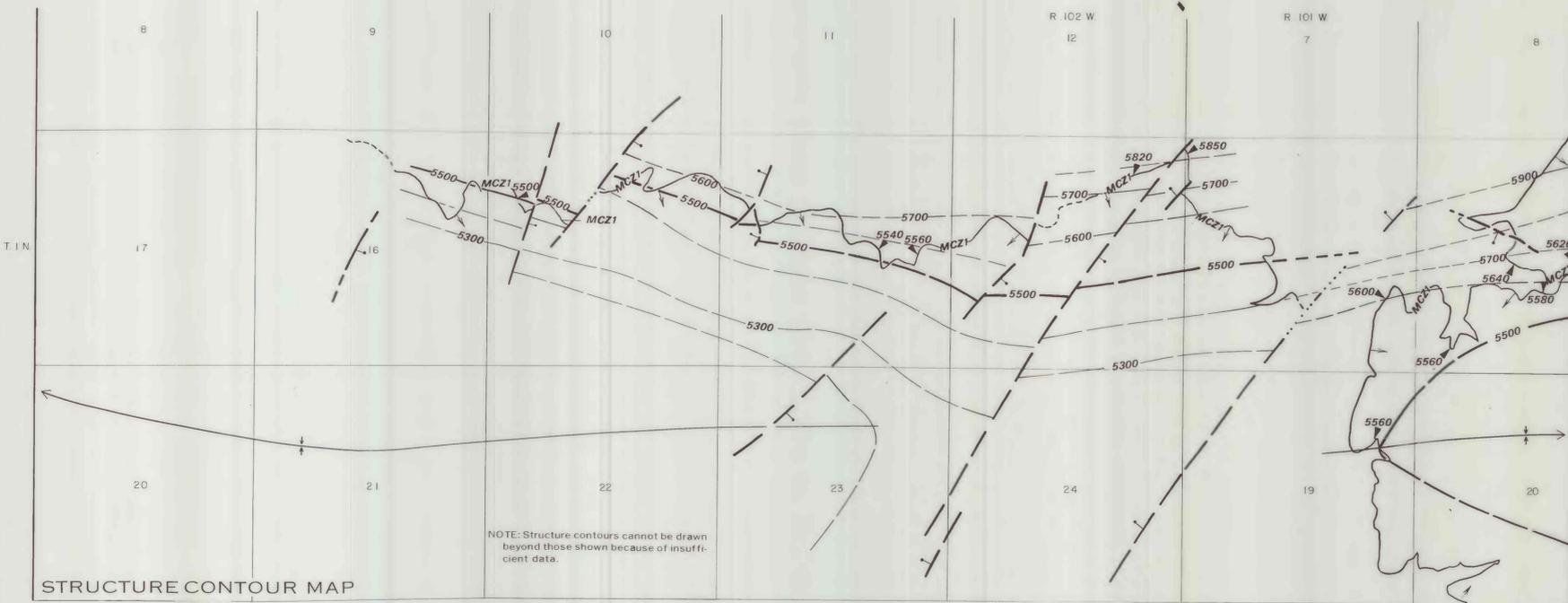
SYNCLINE—Showing axial trace and direction of plunge; dashed where inferred.

INSUFFICIENT DATA LINE—Coal thickness cannot be determined beyond line shown because of insufficient data.



MINING-RATIO CONTOURS—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.

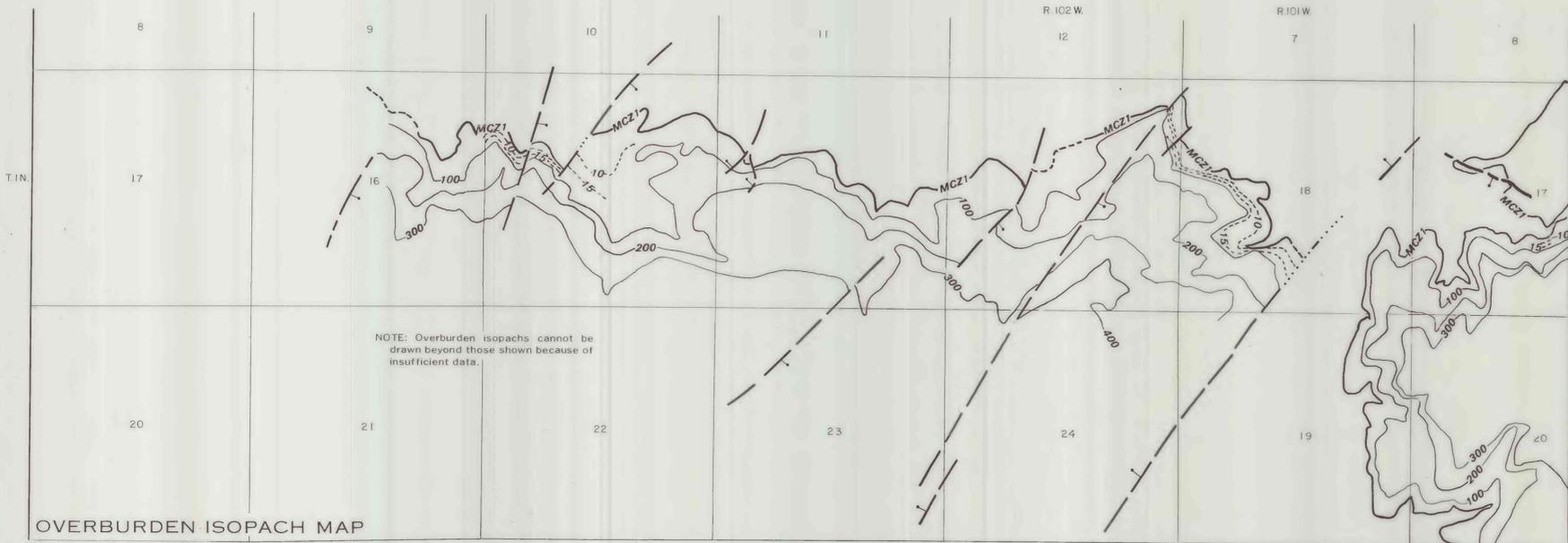
To convert feet to meters, multiply feet by 0.3048.



STRUCTURE CONTOUR MAP

Base from U.S. Geological Survey, 1962

Compiled in 1979



OVERBURDEN ISOPACH MAP

Base from U.S. Geological Survey, 1962

Compiled in 1979

COAL RESOURCE OCCURRENCE MAP OF THE RANGELY QUADRANGLE,
RIO BLANCO COUNTY, COLORADO

BY
AAA ENGINEERING AND DRAFTING, INC.

1980

PLATE 4
STRUCTURE CONTOUR MAP,
COAL ISOPACH MAP AND
OVERBURDEN ISOPACH MAP
OF COAL BED 1
OF THE
MAIN COAL ZONE