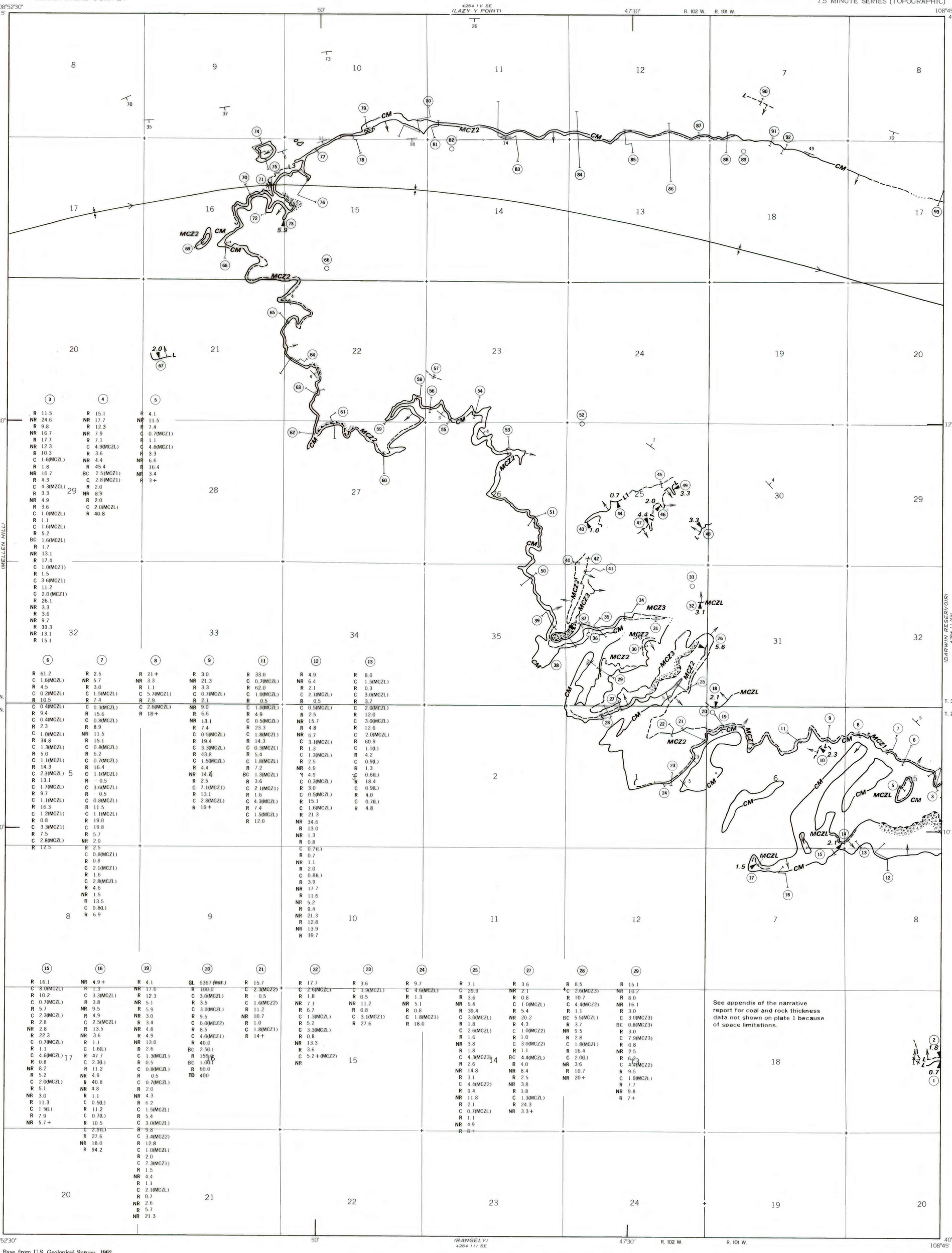
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RANGELY NE QUADRANGLE
COLORADO
7.5 MINUTE SERIES (TOPOGRAPHIC)

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

OPEN-FILE REPORT 79-1422

PLATE 1 OF 9

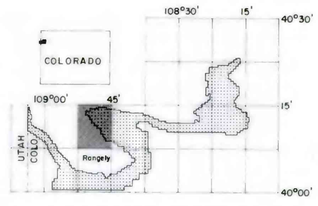


Base from U.S. Geological Survey, 1962

UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE — 7000 FEET — 1 KILOMETER



MAP SHOWING LOCATION OF THE RANGELY NE QUADRANGLE (SHADED) AND THE LOWER WHITE RIVER KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED).

Compiled in 1979

Geology from preliminary map of U.S.G.S. geologic map of the Rangely NE Quadrangle by B.E. Barnum and R.S. Garrigues, O-F.R. 80-274, 1980.

EXPLANATION

(20) ○ GL 6367 *(est.)*
R 100.0
C 3.0(MCZL)
R 3.5

COAL TEST HOLE – Showing drill-hole data in feet. Letters and number designate name of coal bed as listed below. Index number refers to hole on plate 3 of CRO map.

(5) R 4.1
NR 11.5
R 7.4
C 0.7(MCZ1)
R 3+

LINE OF MEASURED SECTION – Showing coal and rock thickness, in feet. Letters and number designate name of coal bed as listed below. Index number refers to section on plate 3 of CRO map.

GL – Ground level elevation
BC – Bony coal
R – Rock interval
C – Coal interval
NR – No record of lithology
TD – Total depth

DRILL HOLE AND MEASURED SECTION DATA SYMBOLS.

L – Local coal bed
L1-L3 – Local coal beds 1-3
MCZL – Local coal bed in Main Coal Zone
MCZ1-4 – Main Coal Zone Beds 1-4

COAL BED SYMBOLS AND NAMES - The numbered coal beds have been correlated over small areas, generally within the quadrangle; the sequential numbering does not necessarily reflect the true stratigraphic position of one coal bed with respect to another.

CM

Coal Marker at base of Main Coal Zone; coal bed may or may not be present; dashed where approximately located; dotted where concealed.

(43) 1.0 L1

TRACE OF COAL BED OUTCROP–Showing thickness of coal, in feet, measured at triangle. Letters and number designate name of coal bed as listed above. Arrow points toward the coal bearing area. Index number refers to section on plate 3 of CRO map. Long-dashed line indicates outcrop inferred by original author. Short-dashed line indicates outcrop inferred by present author; dotted where concealed.

BURNED AND CLINKERED COAL BED Showing area of baked and fused rock (v symbol). Dotted line indicates the inferred limit of burning.

SYNCLINE–Showing axial trace and direction of plunge.

3

STRIKE AND DIP OF BEDS

Coal mine, inactive or abandoned

COAL MINE SYMBOLS

To convert feet to meters, multiply feet by 0.3048.

NOTE:
The term "bony coal," as used in this report, may include material described in the data sources as bony coal, bone, shaly coal, dirty coal, smutty coal, or other similar terms.

COAL RESOURCE OCCURRENCE MAP OF THE RANGELY NE QUADRANGLE, RIO BLANCO AND MOFFAT COUNTIES, COLORADO

BY

AAA ENGINEERING AND DRAFTING, INC.

1980

PLATE 1
COAL DATA MAP