

EXPLANATION

800  
1000

OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to top of the MCZ1 coal bed. Isopach interval 200 feet (61.0 m). Dashed where inferred.

ISOPACH—Showing thickness of coal, in feet. Arrow points toward area where coal bed is 5 feet or more thick.

MCZ1

TRACE OF COAL BED OUTCROP—Showing symbol of name of coal bed. Arrow points toward coal-bearing area.

INSUFFICIENT DATA LINE—Coal resources were not calculated for areas beyond line shown because of insufficient data.

POINT OF MEASUREMENT—Point from which boundary lines for measured and indicated coal resources were drawn.

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.

15°

SUBSURFACE MINING LINE—Showing areas where dips of coal beds are greater than 15° and subsurface mining is not considered feasible. Arrow points toward areas where dips are greater than 15°.

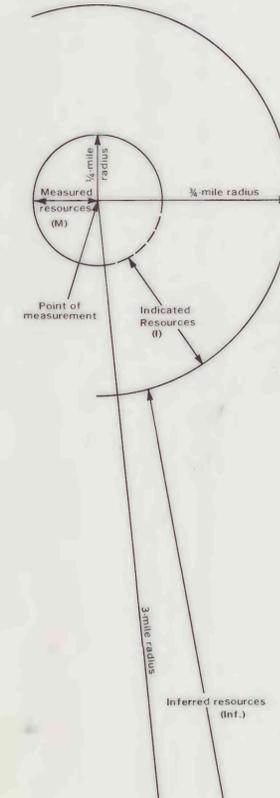
SL

STRIPPING-LIMIT LINE—Boundary for surface mining (in this quadrangle, the 200-foot-overburden isopach). Arrow points toward the area suitable for surface mining where the recovery factor is 85 percent, and away from the area suitable for subsurface mining (down dip to the 3,000-foot-overburden isopach) where the recovery factor is 50 percent.

Surface	Subsurface	
RB	R(85%)	RB R(50%)
0.5	0.5	0.5
<0.1	<0.1	<0.1
—	—	—

(Measured)  
(Indicated)  
(Inferred)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part of section of non-leased Federal coal land, both within and beyond the stripping-limit line. Reserve (R) tonnage is calculated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash indicates no resource in that category. Underground Reserves have been calculated for only that part of the Reserve Base that is suitable for underground mining, and do not include Reserves for areas where the dip of the coal bed exceeds 15°. Therefore, in some instances, underground Reserves may be less than 50 percent of the Reserve Base.



BOUNDARY LINES—Enclose areas of measured, indicated, and inferred coal resources of the coal bed. Dashed where projected from adjacent quadrangles.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

NOTE: Overburden isopachs cannot be drawn beyond those shown because of insufficient data.

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAP

OVERBURDEN ISOPACH MAP

COAL RESOURCE OCCURRENCE MAP OF THE DINOSAUR QUADRANGLE,  
UINTAH COUNTY, UTAH AND RIO BLANCO AND MOFFAT COUNTIES, COLORADO

BY  
AAA ENGINEERING AND DRAFTING, INC.

1980

PLATE 5  
OVERBURDEN ISOPACH MAP  
AND AREAL DISTRIBUTION  
AND IDENTIFIED RESOURCES  
MAP OF THE MAIN COAL ZONE 1  
COAL BED