UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINNEHAHA CREEK SOUTH QUADRANGLE
MONTANA
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 78-833
PLATE 1 OF 16

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

EXPLANATION

(1)

INDEX NUMBER OF MEASURED SECTION SHOWN ON PLATE 3 OF CRO MAP–Coal section measured at point of triangle.

2

LINE OF COMPOSITE SECTION–Showing index number of section shown on plate 3 of CRO map. Composite section is based on nearby coal bed thickness measurements.

Q–Q coal bed
Rb–Rosebud
Mc–McKay
L–Local
SC–Stocker Creek
R–Robinson

COAL BED SYMBOLS AND NAMES

1.5 SC — 2.6/3.0 — C 14.5(Rb) 0.5 / R 13.0 / C 2.0(Mc) Rb-Mc

TRACE OF COAL BED OUTCROP–Dashed where approximately located; short dashed where inferred. Showing thickness of coal, or coal-rock intervals, in feet, measured at triangle. Where a thickness fraction is shown, it indicates the net coal thickness (upper number) and net partings thickness (lower number). Letters designate the name of the coal bed as listed above. Arrow points toward coal-bearing area. Trace of coal outcrop has been modified from Dobbin (1930, pl. 7) and Rogers and Lee (1923, pl. 11) to fit modern topographic map.

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

To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

Dobbin, C. E., 1930, The Forsyth coal field, Rosebud, Treasure, and Big Horn Counties, Montana: U.S. Geol. Survey Bull. 812-A, p. 1-55.

Rogers, G. S., and Lee, W., 1923, Geology of the Tullock Creek coal field, Rosebud, and Big Horn Counties, Montana: U.S. Geol. Survey Bull. 749, 181 p.

INDEX MAP–Showing location of the Minnehaha Creek South quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana

Base map from U.S. Geological Survey, 1972

Compiled in 1977

SCALE 1:24 000

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COAL RESOURCE OCCURRENCE MAP OF THE MINNEHAHA CREEK SOUTH QUADRANGLE, TREASURE AND BIG HORN COUNTIES, MONTANA

BY

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1978

PLATE 1
COAL DATA MAP