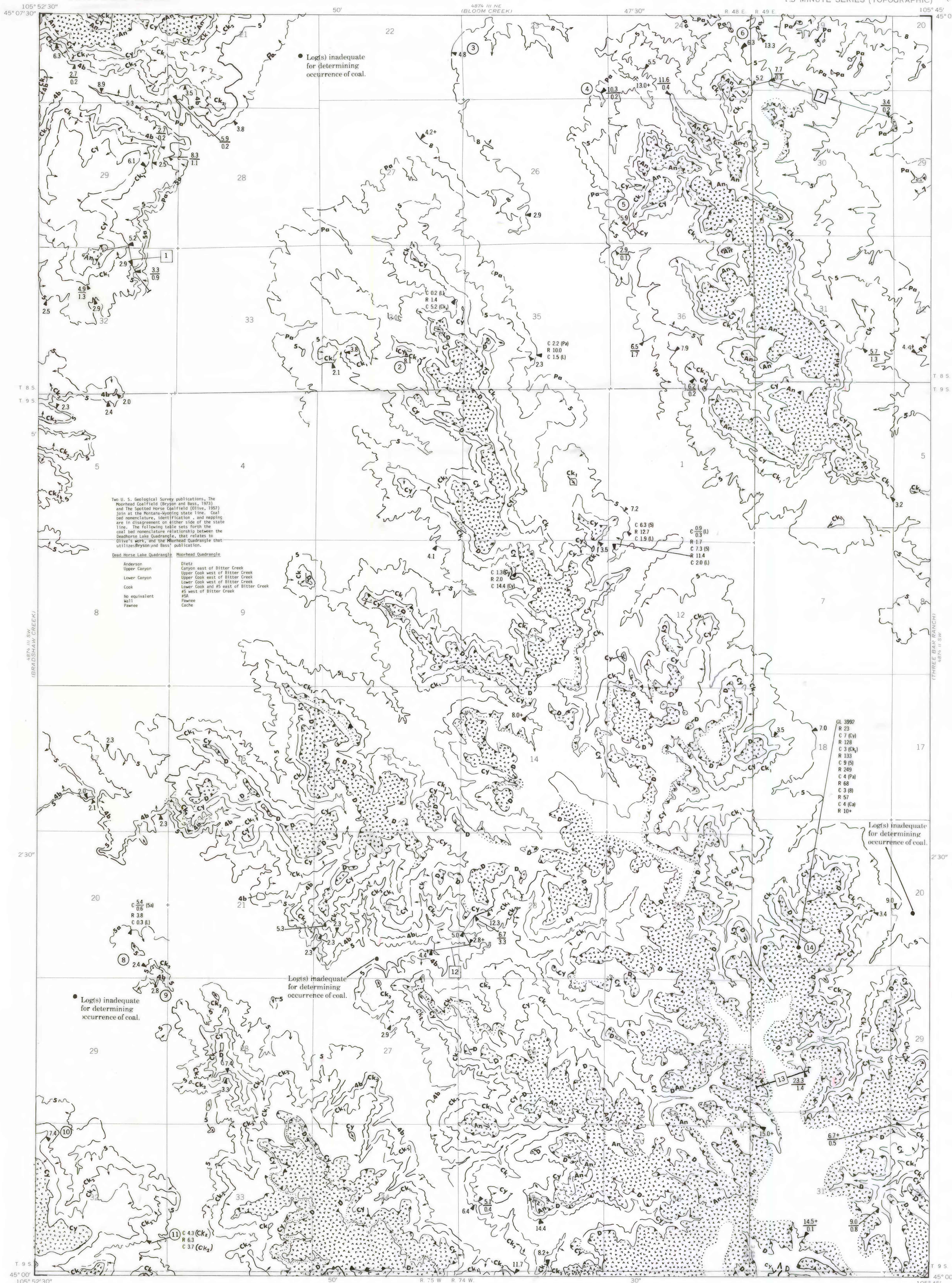


OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.



EXPLANATION

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

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.

GL 3992
R 23
C 7 (E)
R 128
C 3 (K)
R 133
C 9 (S)
R 249
C 4 (P)
R 68
C 3 (R)
R 57
C 4 (A)
R 10+

OIL AND GAS TEST HOLE—Showing index number of
hole shown on plate 3 of CRO map and drill-hole data,
in feet.

Log(s) inadequate
for determining
occurrence of coal.

OIL AND GAS TEST HOLE

G—Ground elevation
R—Rock interval
C—Coal interval

DRILL-HOLE DATA SYMBOLS

An—Anderson
D—Dietz
L—Local
Cy—Canyon
Ck—Upper Cook
Ck—Lower Cook
4b—Number 4b bed
5—Number 5 bed
5a—Number 5a bed
Pa—Pawnee
7—Number 7 bed
8—Number 8 bed
Ca—Cache

COAL BED SYMBOLS AND NAMES

GL 3992
R 23
C 7 (E)
R 128
C 3 (K)
R 133
C 9 (S)
R 249
C 4 (P)
R 68
C 3 (R)
R 57
C 4 (A)
R 10+

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 design-
ate the name of the coal bed as listed above. Arrows point
toward coal-bearing area. Trace of coal outcrop has been
modified from Bryson and Bass (1973, pl. 1) to fit modern
topographic map.

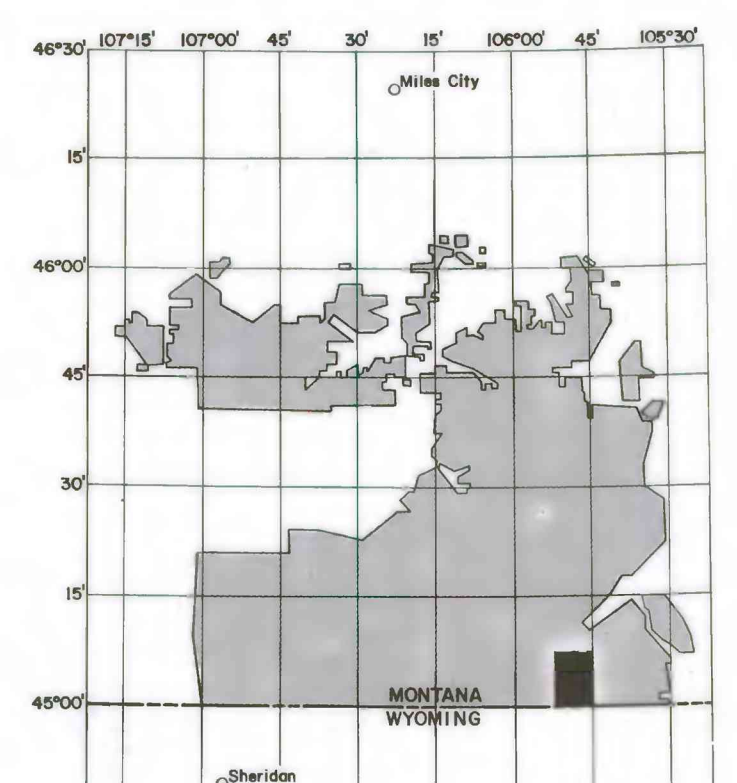
BURNED AND CLINKERED COAL BED—Showing
area of baked and fused rock (v symbol). Dotted line
indicates the inferred limit of burning.

COAL MINE—Showing thickness of coal bed, in feet.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

Bryson, R.P., and Bass, N.W., 1973, Geology of the Moorhead
coal field, Powder River, Big Horn, and Rosebud Coun-
ties, Montana: U. S. Geol. Survey Bull. 1338, 116 p.
Intracore, Inc., Written Communication, 1978, Draft copy
of CRO map of the Dead Horse Lake quadrangle, Camp-
bell County, Wyoming.



INDEX MAP—Showing location of the Moorhead quad-
rangle and the Northern Powder River Basin Known
Recoverable Coal Resource Area (stippled), Montana.

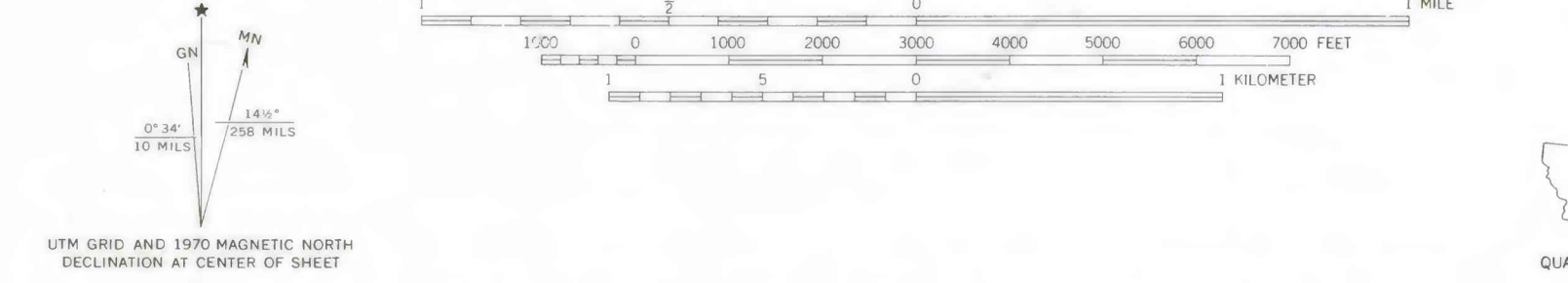
Two U. S. Geological Survey publications, The
Moorhead Coalfield (Bryson and Bass, 1973)
and The Spotted Horse Coalfield (Olive, 1967)
give the Montana-appearing state line, coal
bed nomenclature, identification, and mapping
are in (disagreement) on either side of the state
line. The following table sets forth the
coal bed nomenclature relationships between the
Dead Horse Lake Quadrangle, that relates to
Olive's work, and the Moorhead Quadrangle that
utilizes Bryson and Bass' publication.

Dead Horse Lake Quadrangle	Moorhead Quadrangle
Anderson	Canyon east of Bitter Creek
Upper Canyon	Upper Cook west of Bitter Creek
Lower Canyon	Upper Cook east of Bitter Creek
Cook	Lower Cook west of Bitter Creek
No equivalent	Lower Cook and #5 east of Bitter Creek
Wall	#6 west of Bitter Creek
Pawnee	#6A
	Cache

Base map from U.S. Geological Survey, 1970

SCALE 1:24,000

Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE MOORHEAD QUADRANGLE,
POWDER RIVER COUNTY, MONTANA, AND CAMPBELL COUNTY, WYOMING
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979**