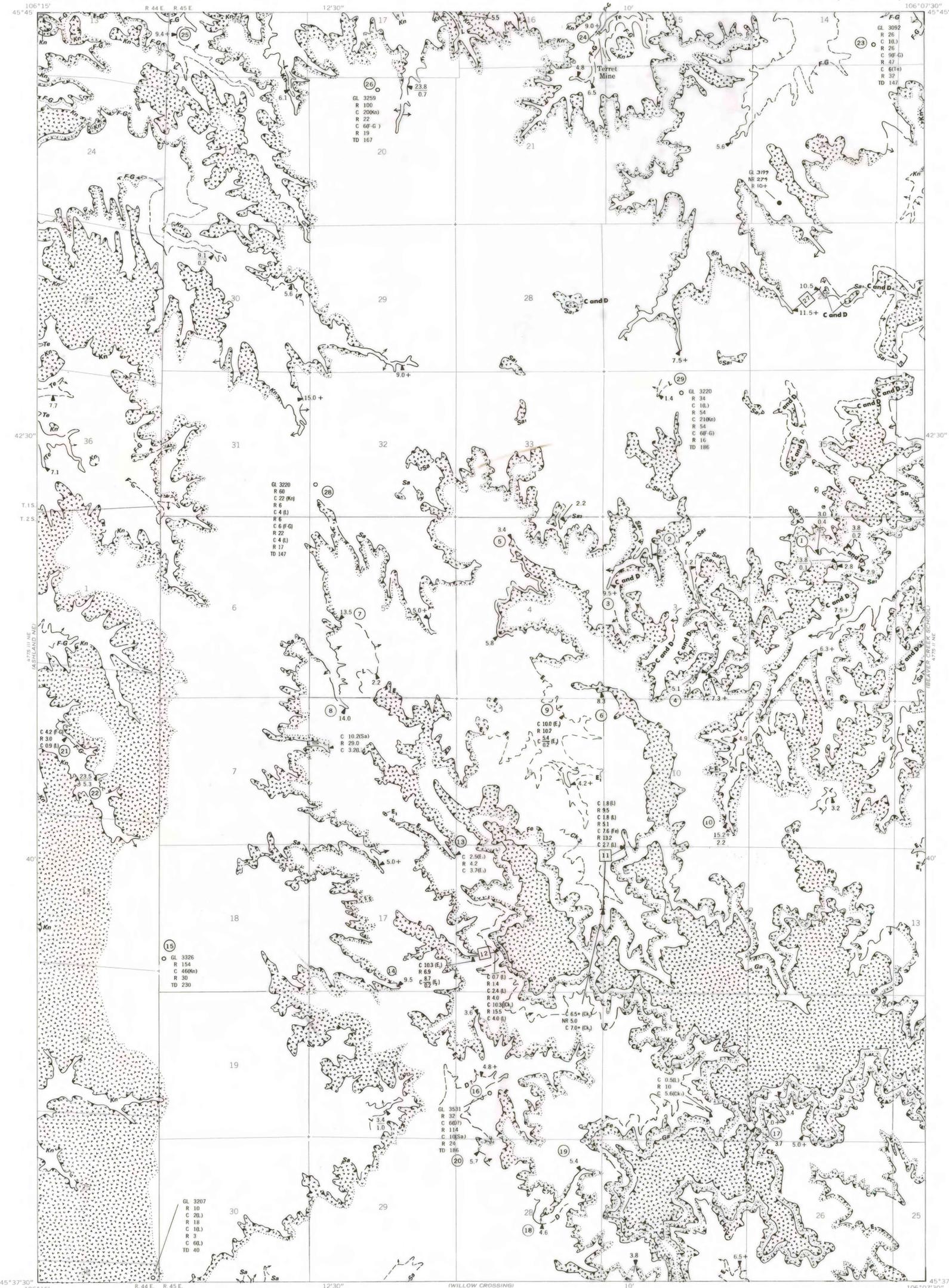


UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

COOK CREEK RESERVOIR QUADRANGLE
 MONTANA
 7.5 MINUTE SERIES (TOPOGRAPHIC)

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 3226
 R 154
 C 466(m)
 R 30
 TD 230

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

GL—Ground elevation
 NR—No Record
 R—Rock interval
 C—Coal interval
 TD—Total depth

DRILL-HOLE DATA SYMBOLS

Ga—Garfield
 Fe—Ferry
 Ck—Lower Cook
 L—Local
 E₁—Upper E bed
 E₂—Lower E bed
 D—D bed
 C and D—C and D beds

Sa—Sawyer
 Sa₁—Upper Sawyer
 Sa₂—Lower Sawyer
 Kn—Knobloch
 F-G—Flowers-Goodale
 T—Terret

COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP—Dashed where approxi-
 mately 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 Bass, N. W., (1932, pl. 3) and Matson and Blumer,
 (1973, pl. 29) 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.

90+
 Terret Mine

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

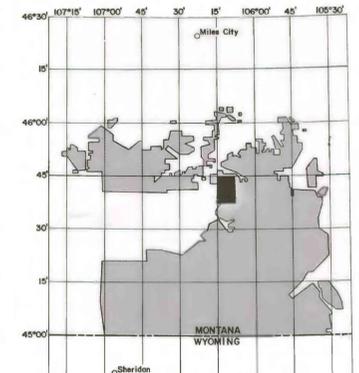
To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NON-INDEXED DATA POINTS

Bass, N. W., 1932, The Ashland coal field, Rosebud, Powder
 River, and Custer Counties, Montana: U.S. Geol. Survey
 Bull. 831-B, p. 19-105.
 Matson, R. E., and Blumer, J. W., 1973, Quality and reserves of
 strippable coal, selected deposits, southeastern Montana:
 Mont. Bur. Mines and Geol. Bull. 91, 135 p.

GL 3197
 NR 27+
 R 10+

OIL AND GAS TEST HOLE—Showing drill-hole data, in
 feet.



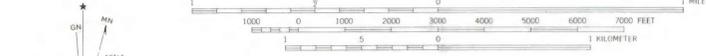
INDEX MAP—Showing location of the Cook Creek Reservoir
 quadrangle and the Northern Powder River Basin Known
 Recoverable Coal Resource Area (stippled), Montana

Base map from U.S. Geological Survey, 1966

(WILLOW CROSSING)
 4770' ± 30'

SCALE 1:24,000

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE COOK CREEK RESERVOIR
 QUADRANGLE, POWDER RIVER AND ROSEBUD COUNTIES, MONTANA
 BY
 COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
 1979