UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

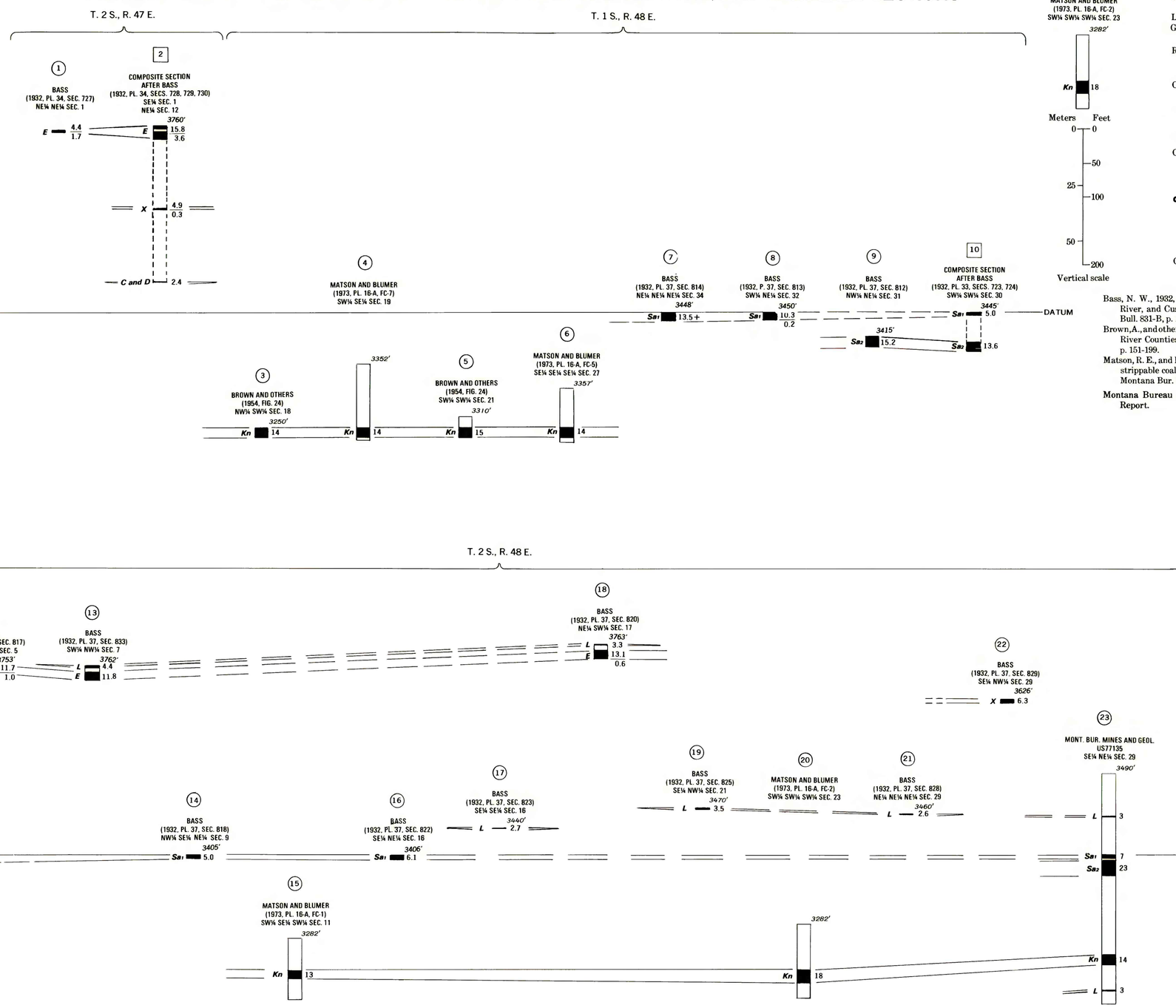
COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION AND MEMBER	COAL BED NAME		LITHOLOGIC DESCRIPTION
TERTIARY	PALEOCENE	FORT UNION FORMATION — TONGUE RIVER MEMBER (PART)	Ferry	1	1. Clinker.
				2	2. Interbedded shale and sandstone, massive thick sandstone in lower half, mostly shale in upper half; sandstone, cream-colored, calcareous; shale, blue-gray to black.
					3. Coal, partly burned, local occasionally present above.
					4. Interbedded sandstone and shale, light yellow-brown to light blue-gray.
					5. Coal, partly burned.
					6. Interbedded sandstone, siltstone, and shale, cream-colored.
					7. Coal, splits into individual beds locally.
					8. Shale, siltstone, and friable sandstone, banded somber-colored.
					9. Coal.
					10. Shale, siltstone, and friable sandstone, banded somber-colored.
					11. Coal.
					12. Shale, siltstone, and friable sandstone, banded somber-colored.
					13. Coal, partly burned.
					14. Sandstone, cream-colored.
			Local		15. Coal, partly burned.
			E bed	3	16. Interbedded sandstone and shale, sandstone massive in lower half.
					17. Coal, partly burned.
				4	18. Sandstone with shale stringers.
			X bed	5	19. Coal.
				6	
			C and D beds	7	
				8	
			Local	9	
				10	
			Local	11	
				12	
			Upper Sawyer	13	
				14	
			Lower Sawyer (A bed)	15	
				16	
			Knobloch	17	
				18	
			Local	19	

Meters / Feet: 0–0, 25–100, 50–200

Vertical scale

CORRELATION OF COAL BEDS IN DRILL HOLES, COMPOSITE SECTIONS, AND MEASURED SECTIONS



EXPLANATION

Index number (within circle or square)

Source of information

Location
Ground elevation

Rock interval; thickness is estimated on composite sections

Coal bed, showing thickness in feet. Where a thickness fraction is shown, it indicates the net coal thickness (upper number) and net partings thickness (lower number).

Coal bed symbols and names

L—Local
E—E bed
X—X bed
C and D—C and D beds
Sa₁—Upper Sawyer
Sa₂—Lower Sawyer (A bed)
Kn—Knobloch

Column shown closed if at total depth.

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Brown, A., and others, 1950, Strippable coal in Custer and Powder River Counties, Montana: U.S. Geol. Survey Bull. 995-E, p. 151-199.

Matson, R. E., and Blumer, J. W., 1973, Quality and reserves of strippable coal, selected deposits, southeastern Montana: Montana Bur. Mines and Geol. Bull. 91, 135 p.

Montana Bureau of Mines and Geology, 1977, Open File Report.

PLATE 3
COAL DATA SHEET

COAL RESOURCE OCCURRENCE MAP OF THE ELK RIDGE QUADRANGLE, POWDER RIVER COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979

OPEN FILE REPORT 79-085
PLATE 3 OF 19

OPEN-FILE REPORT
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.
Compiled in 1977