



GEOLOGIC MAP AND COAL SECTIONS OF THE FORKS RANCH QUADRANGLE, BIG HORN COUNTY, MONTANA
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Table 1.--Identified resources of subbituminous coal in the Brown Washita Formation and the Tongue River Member of the
Paleocene Fort Union Formation under less than 1,000 feet (395 m) of overburden as of January 1, 1978

(In thousands of short tons (1 short ton = 0.907 metric ton); totals are rounded. The coal is assumed to weigh
1,370 short tons per acre-foot (1.3 metric ton/m³); 1 foot = 0.3 meter. Leaders (---) indicate no data.

Location		Measured			Indicated			Inferred			Total
Township	Range	Thickness of coal in bed, in feet	10+	10+	Thickness of coal in bed, in feet	10+	10+	Thickness of coal in bed, in feet	10+	10+	
Aravada bed											
9	44	1,200	-----	-----	-----	-----	-----	-----	-----	-----	1,200
Total		1,200	-----	-----	-----	-----	-----	-----	-----	-----	1,200
Roland bed of Baker (1929)											
9	43	7,100	13,000	3,510	240	900	1,650	-----	-----	-----	26,400
9	43	2,200	1,400	-----	90	6,900	-----	-----	-----	-----	11,000
10	43	-----	1,600	3,920	-----	-----	1,650	-----	-----	-----	7,370
Total		9,300	16,000	7,430	330	7,800	3,500	-----	-----	-----	44,800
Nadelle bed											
8	43	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
8	44	170	-----	-----	-----	-----	-----	-----	-----	-----	170
9	43	7,100	-----	-----	2,200	6,700	-----	-----	-----	-----	20,000
9	44	4,600	-----	-----	3,900	-----	4,700	-----	-----	-----	13,000
10	43	-----	-----	-----	-----	-----	920	-----	-----	-----	920
Total		12,000	-----	-----	11,000	-----	10,000	-----	-----	-----	36,000
Smith bed											
8	43	7,400	-----	-----	1,300	-----	-----	-----	-----	-----	8,700
8	44	640	-----	-----	-----	-----	-----	-----	-----	-----	640
9	43	9,300	1,200	12,000	16,000	5,900	36,000	-----	-----	-----	82,000
9	44	1,600	-----	-----	2,000	-----	4,700	-----	-----	-----	8,300
10	43	-----	-----	-----	-----	20	7,100	-----	-----	-----	7,120
Total		19,000	3,200	-----	35,000	16,000	6,500	43,000	-----	-----	100,000
Anderson bed											
8	43	80	300	93,600	-----	101,000	-----	105,000	222,000	-----	222,000
8	44	-----	-----	48,200	-----	247,000	-----	282,000	577,000	-----	859,000
9	43	-----	-----	190	-----	22,000	-----	113,000	138,000	-----	163,000
10	43	-----	-----	340	-----	12,400	-----	15,100	15,800	-----	27,640
Total		-----	-----	68,200	-----	392,000	-----	592,000	1,010,000	-----	1,962,000
White bed											
8	43	-----	-----	300	21,200	4,700	157,000	9,300	627,000	821,000	1,458,000
9	43	-----	-----	-----	-----	2,300	-----	6,100	-----	-----	8,700
9	44	80	-----	-----	-----	20	-----	-----	-----	-----	100
10	43	2,100	3,700	-----	-----	12,000	28,000	-----	53,000	20,000	120,000
Total		2,100	3,700	-----	-----	12,000	28,000	53,000	20,000	-----	120,000
Local bed No. 1 below the Wall bed											
8	43	-----	-----	3,400	2,400	-----	18,000	3,400	-----	27,000	27,000
8	44	-----	-----	1,900	-----	-----	310	-----	-----	110,000	112,000
9	43	4,800	1,300	28,000	3,800	-----	51,000	-----	84,000	-----	84,000
10	43	80	-----	2,600	-----	14,000	-----	-----	17,000	-----	17,000
Total		5,000	1,300	300	4,800	22,000	7,300	140,000	3,700	-----	150,000
Local bed No. 2 below the Wall bed											
8	43	-----	-----	11,000	3,600	-----	40	-----	-----	40	40
9	43	1,700	760	-----	-----	32,000	2,300	-----	52,000	-----	52,000
10	43	-----	-----	-----	-----	-----	100	-----	-----	250	250
Total		1,700	760	-----	-----	11,000	3,600	32,000	2,600	-----	52,000
Breweater-Arnold bed											
8	43	-----	-----	190	-----	8,800	-----	78,000	-----	87,000	87,000
8	44	-----	-----	1,900	300	-----	7,700	-----	14,000	-----	14,000
9	43	980	1,100	3,200	5,000	7,200	42,000	-----	60,000	-----	60,000
10	43	-----	-----	-----	-----	30	1,600	-----	1,600	-----	1,600
Total		1,100	3,200	300	4,800	22,000	7,300	140,000	3,700	-----	180,000
King bed											
8	43	-----	-----	90	-----	22,000	-----	-----	22,000	-----	22,000
9	43	-----	-----	90	-----	-----	-----	-----	-----	-----	-----