

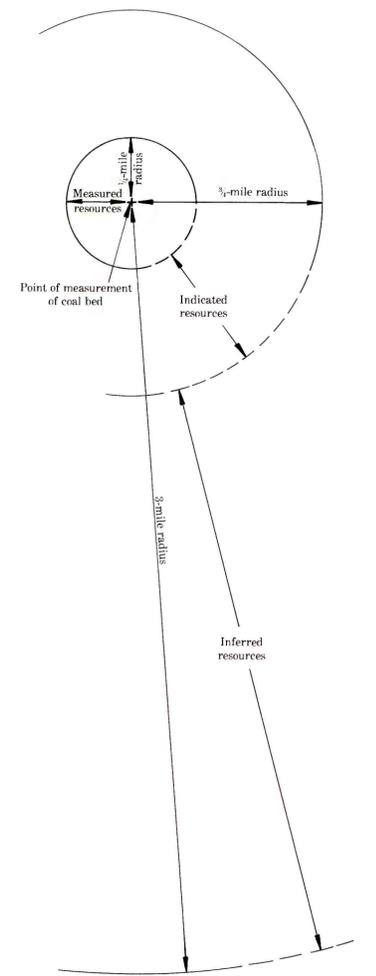
**EXPLANATION**

**BOUNDARY OF COAL 5 FEET OR MORE THICK**—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.

**NON-FEDERAL COAL LAND**—Land for which the Federal Government does not own the coal rights.

**STRIPPING-LIMIT LINE**—Boundary for surface mining of the coal bed (in this quadrangle, the 500-foot overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area of this quadrangle.

**POINT OF MEASUREMENT ON COAL BED**



**IDENTIFIED AND HYPOTHETICAL COAL RESOURCES**—Showing totals for Reserve Base (RB), Reserves (R), and Hypothetical (HYP) resources. In millions of short tons, for each section or part(s) of a section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (85 percent) = Reserves (R).

Section	RB	R(85%)	(Measured resources)	(Indicated resources)	(Inferred resources)	(Hypothetical resources)
1	0.92	0.78	0.92	0.78	0.03	0.03
2	0.07	0.06	0.07	0.06	0.03	0.03
3	0.62	0.53	0.62	0.53	0.29	0.29
4	0.62	0.53	0.62	0.53	0.29	0.29
5	0.09	0.08	0.09	0.08	4.94	4.20
6	0.09	0.08	0.09	0.08	4.94	4.20
7	0.45	0.38	0.45	0.38	3.23	2.75
8	0.45	0.38	0.45	0.38	3.23	2.75
9	0.11	0.09	0.11	0.09	1.85	1.57
10	0.11	0.09	0.11	0.09	1.85	1.57
11	0.85	0.72	0.85	0.72	0.64	0.55
12	0.16	0.14	0.16	0.14	1.45	1.24
13	0.16	0.14	0.16	0.14	1.45	1.24
14	0.85	0.72	0.85	0.72	0.64	0.55
15	0.11	0.09	0.11	0.09	1.85	1.57
16	0.11	0.09	0.11	0.09	1.85	1.57
17	0.50	0.43	0.50	0.43	4.21	3.58
18	0.50	0.43	0.50	0.43	4.21	3.58
19	0.23	0.20	0.23	0.20	0.23	0.20
20	0.69	0.59	0.69	0.59	1.43	1.22
21	0.45	0.38	0.45	0.38	2.39	2.03
22	0.08	0.07	0.08	0.07	0.40	0.34
23	0.08	0.07	0.08	0.07	0.40	0.34
24	0.31	0.27	0.31	0.27	0.67	0.57
25	0.31	0.27	0.31	0.27	0.67	0.57
26	1.69	1.43	1.69	1.43	0.20	0.17
27	1.69	1.43	1.69	1.43	0.20	0.17
28	0.02	0.03	0.02	0.03	5.11	4.34
29	0.02	0.03	0.02	0.03	5.11	4.34
30	0.02	0.03	0.02	0.03	5.11	4.34
31	0.06	0.05	0.06	0.05	0.06	0.05
32	0.06	0.05	0.06	0.05	0.06	0.05
33	0.02	0.03	0.02	0.03	5.11	4.34
34	0.02	0.03	0.02	0.03	5.11	4.34
35	6.91	5.88	6.91	5.88	0.56	0.56
36	6.91	5.88	6.91	5.88	0.56	0.56

**IDENTIFIED COAL RESOURCES**—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of a section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category.

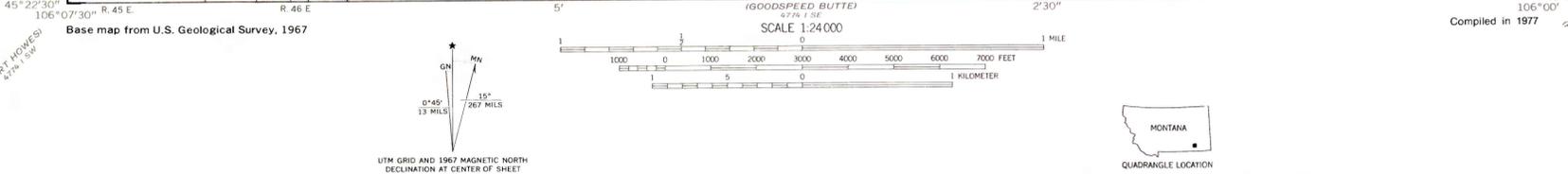
Section	RB	R(85%)	(Measured resources)	(Indicated resources)	(Inferred resources)
1	0.92	0.78	0.92	0.78	0.03
2	0.07	0.06	0.07	0.06	0.03
3	0.62	0.53	0.62	0.53	0.29
4	0.62	0.53	0.62	0.53	0.29
5	0.09	0.08	0.09	0.08	4.94
6	0.09	0.08	0.09	0.08	4.94
7	0.45	0.38	0.45	0.38	3.23
8	0.45	0.38	0.45	0.38	3.23
9	0.11	0.09	0.11	0.09	1.85
10	0.11	0.09	0.11	0.09	1.85
11	0.85	0.72	0.85	0.72	0.64
12	0.16	0.14	0.16	0.14	1.45
13	0.16	0.14	0.16	0.14	1.45
14	0.85	0.72	0.85	0.72	0.64
15	0.11	0.09	0.11	0.09	1.85
16	0.11	0.09	0.11	0.09	1.85
17	0.50	0.43	0.50	0.43	4.21
18	0.50	0.43	0.50	0.43	4.21
19	0.23	0.20	0.23	0.20	0.23
20	0.69	0.59	0.69	0.59	1.43
21	0.45	0.38	0.45	0.38	2.39
22	0.08	0.07	0.08	0.07	0.40
23	0.08	0.07	0.08	0.07	0.40
24	0.31	0.27	0.31	0.27	0.67
25	0.31	0.27	0.31	0.27	0.67
26	1.69	1.43	1.69	1.43	0.20
27	1.69	1.43	1.69	1.43	0.20
28	0.02	0.03	0.02	0.03	5.11
29	0.02	0.03	0.02	0.03	5.11
30	0.02	0.03	0.02	0.03	5.11
31	0.06	0.05	0.06	0.05	0.06
32	0.06	0.05	0.06	0.05	0.06
33	0.02	0.03	0.02	0.03	5.11
34	0.02	0.03	0.02	0.03	5.11
35	6.91	5.88	6.91	5.88	0.56
36	6.91	5.88	6.91	5.88	0.56

**NOTE:** Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calculated for the coal bed in areas outside the stripping-limit line.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.



**COAL RESOURCE OCCURRENCE MAP OF THE YAGER BUTTE QUADRANGLE,  
POWDER RIVER COUNTY, MONTANA**

BY  
**COLORADO SCHOOL OF MINES RESEARCH INSTITUTE**

1979

Yager Butte