

C-1 Coal Bed

The C-1 coal bed is thickest in the southeastern and northwestern parts of the Otter Creek Wilderness (fig. 3) and contains about 15 million short tons of resources. This coal bed is low in sulfur (about 0.6 percent); however, because of numerous shale partings in the lower half of the bed, it has an ash content as high as 25 percent, or more.

C-2 Coal Zone

The C-2 coal zone is fairly evenly distributed

COAL RESOURCES

present over the entire area. Individual beds range from 1 to 100 feet thick. The zone is composed of coal resources are present within this zone, which contains coals having low ash content and an average sulfur content of about 1.0 percent.

Kittanning Coal Zone

The Kittanning coal zone occurs only in three small areas in the western part of Green Township and one on McGowan Mountain (fig. 5). Coals of this zone range from 0 to 22 in. This zone is of little importance. Most of the zone is extremely thin and only about 1 million tons of coal resources are present. Analyses are not available for this zone.

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Sewell (?) Coal Bed

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EXPLANATION







-  Area having coal less than 14 in. thick
 Area having coal 14-28 in. thick
 Area having coal 28-42 in. thick
 Area having coal thicker than 42 in. thick
 Outcrop of coal bed
 Coal thickness line—Showing thickness of coal bed in inches. Dashed where coal is absent



Figure 1.--Distribution of the Sewell(?) coal bed.

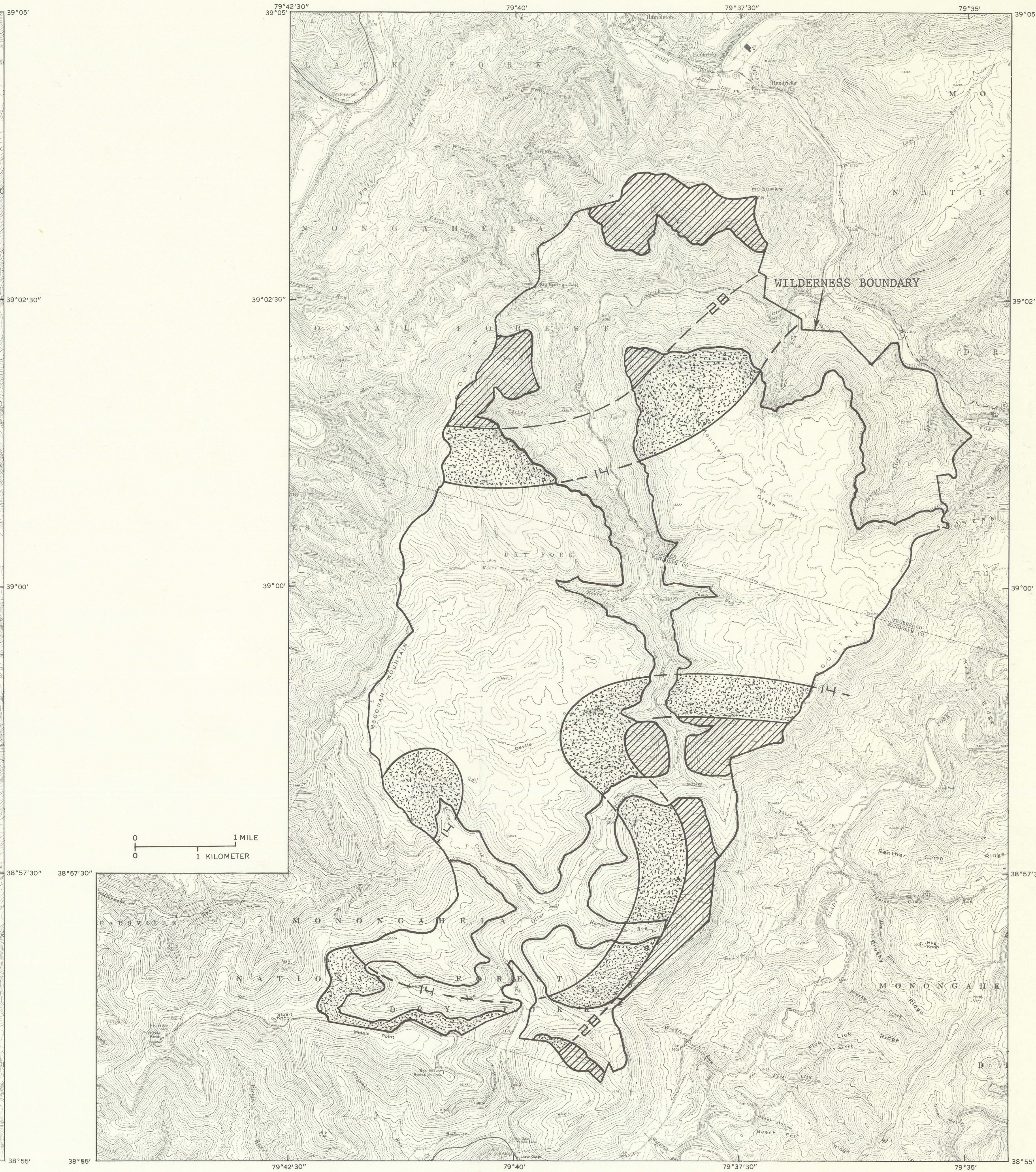


Figure 3.--Distribution of the C-1 coal bed

[illegible]

Table 2.--Trace-element concentrations, in parts per million, in 22 samples of coal from the Otter Creek Wilderness

Analyses by U.S. Geological Survey. L, less than the value shown (%).
 Determinations by automatic plate-reading computer-assisted emission
 spectrophotographic analyses. Complete analyses given in Marlow and others (1981).

Element	High	Low	Average
As	1.6	1.4	14.7
B	32	1.7	4.2
Cd	4.4	0.63	6.33
Co	1.1	0.1	1.1
Cu	62	6.2	32.8
Cr	139	14.9	76.4
P	365	11	106
Hg	0	0.018	1.0
Li	81		27.2
Mn	529		8.4
Mor(S)	11	1.0	8.4
Ni(S)	286		45.2
Pb	40	2.1	116.7
Se	70L	1.0L	4.7



Figure 4.--Distribution of the C-2 coal zone

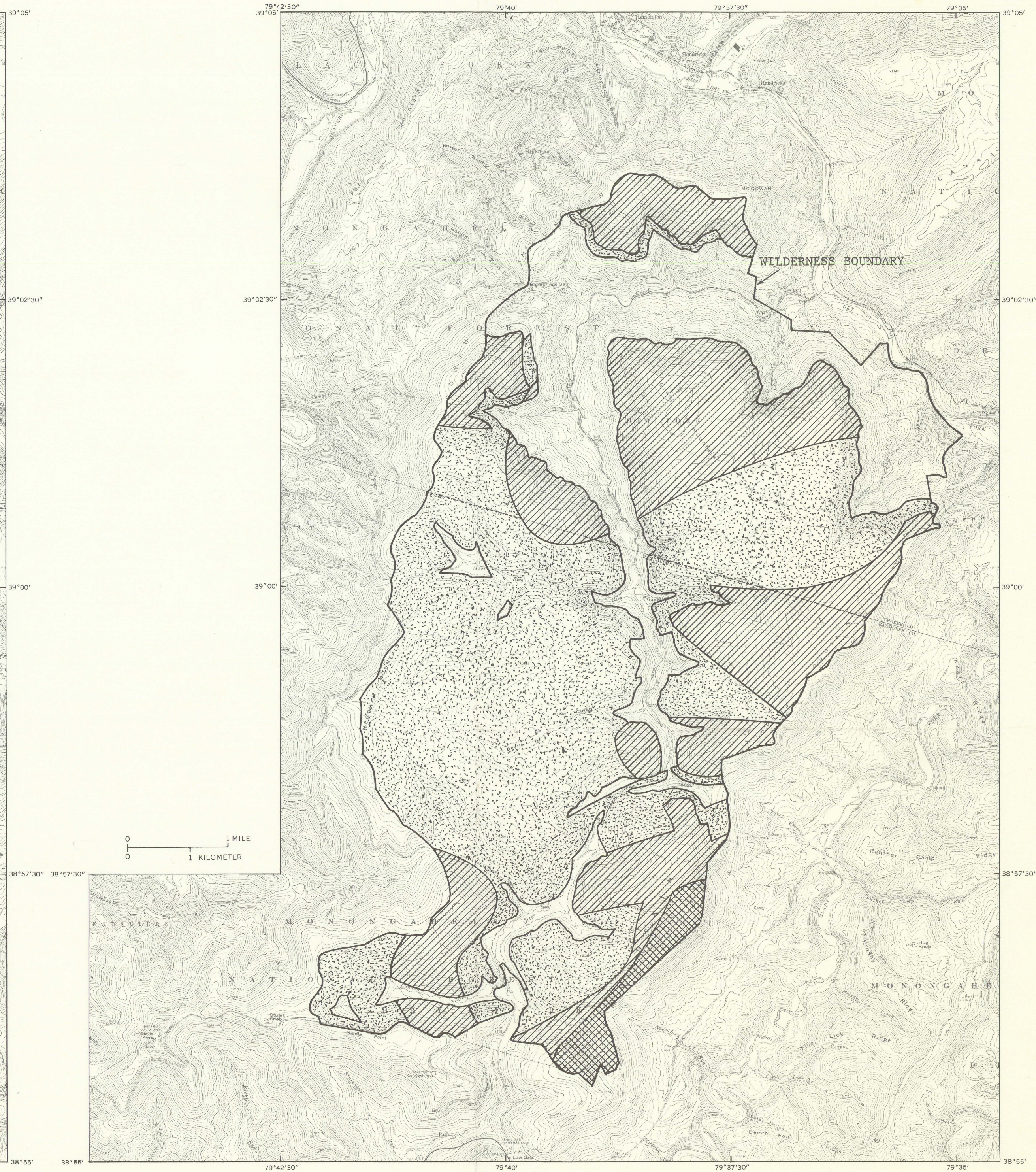


Figure 6.--Known coal resource distribution of thickest coal beds