

MAP OF WARREN TOWNSHIP

BELMONT CO. OHIO

SCALE 2 INCHES = 1 MILE

(HIAKMAQOD)

PITTSBURG COAL

The Pittsburg coal underlies a large part of this township in the northern part the headwaters of Stillwater Creek cut through the seam, and along the western edge the coal is exposed in a number of narrow valleys. Especially is this true in the southwestern corner where the headwaters of Leatherwood Creek have formed deep and relatively wide valleys.

Near Barnesville the seam has long been mined for local use and is known as the Lower Barnesville coal. The Meigs Creek seam which is mined in the same locality is known as the Upper Barnesville coal.

The coal is mined for railroad shipment in the southwestern part of the township.

Section 10 was taken in the Media Mine of the Calburg Coal Company of Columbus, located in section 21.

SECTION 10

8. Draw slate	0.6
7. Black slate	0.1 1/2
6. Impure coal, rejected	0.2 1/2
5. Breast coal	0.11
4. Shale	0.1
3. Bearing in coal impure	0.5
2. Shale	0.4

1. Brick and bottom coal..... 3.0

The coal contains quite a number of local partings of shale and pyrites. Those that are persistent are shown in the section. The coal is quite hard and yields a red ash on burning. Its thickness ranges ordinarily from 4 feet 6 inches to 5 feet 3 inches, the average being about 4 feet 8 inches. The Draw slate is taken down in the entries but not in the rooms. Shaly sandstone lies above the Draw slate, the whole making a good roof.

The sections show the breast coal unusually thin and a corresponding increase in the other divisions of the seam. These changes probably result from the locality being near the margin of the great basin in which this seam was formed.

The mine was opened about 1804 and when visited in 1907 was producing about 200 tons per day. Mining was done by hand but preparations were being made to use machines. Much of the coal has been shipped to the Great Lakes.

Chemical and calorific value of Section 10:

ULTIMATE	PROXIMATE
Carbon..... 67.64	Moisture..... 4.47
Hydrogen..... 5.17	Volatile Matter..... 37.53
Oxygen..... 10.43	Fixed carbon..... 46.99
Nitrogen..... 1.08	Ash..... 11.01
Sulphur..... 0.67	
Ash..... 11.01	
	100.00

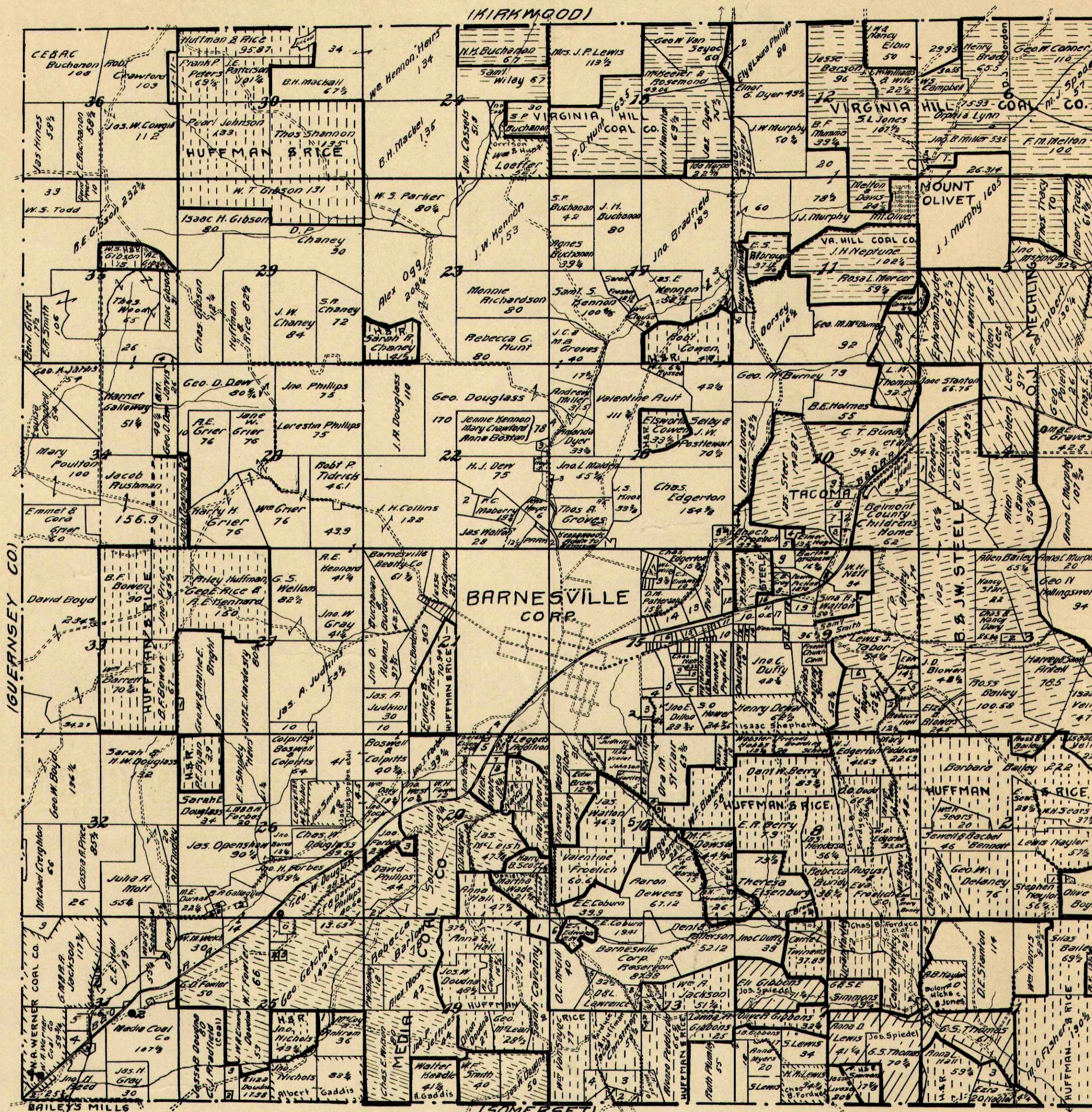
Calorific value 6875 calories (a) moisture in the air-dried sample about 3%.

Parts 4, 6, 7 and 8 of the section were excluded in sampling. Likewise these parts are rejected by the miner. The sample measured 6 1/2 inches by 3 1/2 inches and was cut from a fresh face. Part 2 of the section was a little above the average in thickness and hence the percentage of ash may be a trifle high.

MEIGS CREEK COAL

The Meigs Creek coal underlies a large area in the southeastern part of Warren township. Elsewhere in the township the seam has been largely removed by stream erosion, and as a result is now found only in the ridges between the streams. In a few places the coal extends over the line into Guernsey county, but not in sufficient quantity to be of commercial importance.

The coal has long been mined in the vicinity of Barnesville seam. Section 37 was measured in the Malden mine, Barnesville.



SECTION 37

8. Roof coal (shale and coal)	L. 0
7. Shale and soapstone	L. 10
6. Coal	0.7 1/2
5. Pyrites parting	3/4
4. Coal	0.11 1/2
3. Black shale	0. 1/2
2. Coal	2. 13
1. Soapstone, unmeasured	

The seam in this bank ranges from 3 feet 8 inches to 4 feet 3 inches in thickness. Thin partings of shale or pyrites are common, but usually these are local. In other words, they are not persistent as in the Pittsburg seam. The coal is marketed in Barnesville where it is regarded as a fuel for grates.

Chemical analysis and calorific value of Section 37:

ULTIMATE	PROXIMATE
Carbon..... 65.83	Moisture..... 4.4700
Hydrogen..... 4.99	Volatile Matter..... 35.31
Oxygen..... 11.71	Fixed carbon..... 47.75
Nitrogen..... 1.13	Ash..... 13.07
Sulphur..... 3.27	
Ash..... 13.07	
	100.00

Calorific value 6668 calories (a) moisture in the air-dried sample about 2%.

Parts 1, 7 and 8 of the section were excluded in sampling. The samples measured 6 by 3 inches.

Here as elsewhere in the country the seam has the disadvantage of having to compete with the Pittsburg coal which is thicker and of superior quality. As long as this seam remains, the Meigs Creek coal will continue to be mined in the small way only.

(OHIO GEOL. SURV.)

SMALL TRACTS

Sec No	NAME	Acres	C
1	L. A. Wood	4.5	
1	T. G. Starbuck	2.5	b
2	Jno. Brooks	3.	a
2	Hannah Dewees	8	f
2	W. E. & Elza Duffy	5.8	f
3	Bosana Bundy	3.	
4	T. M. Talbot	11.	g
5	Ezra Queen	1/8	
6	Jas. L. Taylor	6	h
6	Geo. W. & Eliz. Gastello	1/4	
6	Martha Campbell	1.07	
7	F. M. Mellon	1.07	c
7	Elm Gibbons	7.5	
7	G. S. Thomas	5	c
8	D. & M. G. Gibbons	17.5	f
8	J. M. Peddicord	5.	f
9	Jos. Hoge	3 3/8	f
9	Jas. Steer	2 3/8	f
9	Iona Hunter	10	f
9	Rebecca Hall	3	f
9	J. G. Sears	2	t
9	B. G.	1/2	
9	Agno Bundy	1 1/8	
9	Elmer Hoge	7	f
9	T. E. & Ella Parker	11	
10	Chas. Powell	1 3/8	
10	Chas. Peddicord	1 3/8	
10	Lacey M. Harris	1/2	
10	S. Duffley	2	
10	Hannah Harper	1 3/4	
10	Geo. H. Bowen	2 3/8	
10	T. C. & M. J. Cape	8	
10	F. M. Frame	2.5	
10	H. Stanton	5.1	
10	Rachel Hoge	3 3/4	f
10	Jesse J. Doudna	2 1/4	f
10	Fred Bundy	4 1/4	f
10	L. P. & Mary Doudna	3 3/8	f
10	Jesse J. Doudna	1.5	
10	Robt. Edgerton	7.8	f
10	Lucy Sheets	5.43	f
10	Steer & Bundy	9 1/4	
10	Jas. D. Stanton	1	
10	J. V. Webster	1	
10	Jesse Lynne	1	
10	Ella Barber	8	a
10	Joshua Jackson	12	a
10	Lydia McLean	8.	a
10	Thos. B. Mammie	1 1/8	
10	Abel Williams	6 1/8	m
10	Hannah J. Harper	2	
10	Coburn	3 1/4	
10	Jos. Cunnard	1.5	
10	J. Dalley	6 1/8	
10	Lawson Clark	5	
10	J. L. Lynn	2	
10	M. W. Dalles	25.5	a
10	W. A. Hunkler	2.5	
10	Chas. Phillips	1.	
10	M. J. Cook	3.75	
10	N. Morrow	4.	
10	W. O. Chappell	15 3/4	
10	Thos. P. Hornbrook	6.5	
10	Chas. A. Neff	2	
10	M. J. Bennett	1.62	
10	J. W. Coss	7.5	
10	A. M. Hobbs	4.8	
10	Calab Hartley	6.66	
10	J. C. Peaper	7 3/4	
10	W. E. Dewees	13 1/4	
10	C. J. Eichorn	2 1/4	
10	E. V. & A. Shipley, Mrs	13 1/4	
10	Phoebe Thornberry	5.05	
10	Phillip Vewhart	5 1/4	
10	G. Beyer	1/2	
10	E. Stanton	1/2	
10	Lydia J. Harlan	3	
10	G. B. Pittman	1/2	
10	D. McVey	1.5	
10	Melissa Fahner	1.	
10	Dr. Wellons	2 1/8	
10	E. & E. McCune	5	
10	David B. Holloway	1 1/4	
10	L. B. Tillet	5	
10	J. E. Outland	1 1/4	
10	W. C. Talbot	1/2	
10	M. Mount	1 1/2	
10	Rosette Cooper	1 1/4	
10	Lizzie Thompson	1 1/4	
10	W. M. Car Works Co	1 1/2	
10	Wm. Friday	1 1/2	
10	Jacob	59	
10	C. Dixon	1/2	
10	H. Wiley	1/2	
10	M. E. Harris	1.77	
10	B. Briggs	87	
10	G. Hines	2 3/4	
10	J. S. Knox	1.	
10	Alvina Hays	1/4	
10	H. Molden	6.5	
10	Nancy Sepler	2.	
10	Jas. Lynn	2.	

G. B. HARTLEY
CIVIL & MINING ENGINEER
MORGANTOWN, W. VA.
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