



KENTUCKY GEOLOGICAL SURVEY

UNIVERSITY OF KENTUCKY, LEXINGTON

SERIES X, 1977

Wallace W. Hagan, Director and State Geologist

COAL PRODUCTION IN KENTUCKY, 1790-1975

James C. Currens and Gilbert E. Smith





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*On leave until January 1, 1978

LETTER OF TRANSMITTAL

December 14, 1977

Dr. Wimberly C. Royster
Dean of Graduate School
and Coordinator of Research
University of Kentucky

Dear Dean Royster:

Coal is the number one mineral resource in Kentucky. The total production of coal in 1976 was 142,593,562 tons. Kentucky leads the United States in coal production each year with one-fifth of the total U. S. production.

This report, Information Circular 23, *Coal Production in Kentucky, 1790-1975*, is significant because it will help enable present and future workers to determine remaining coal resources in Kentucky.

Respectfully,

Wallace W. Hagan

Wallace W. Hagan
Director and State Geologist
Kentucky Geological Survey

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COAL PRODUCTION IN KENTUCKY, 1790-1975

Compiled by

James C. Currens and Gilbert E. Smith

INTRODUCTION

Although Kentucky has a long history of coal production, few records of the early years are readily available. This report is an attempt to compile the available coal production data into a single, comprehensive document. The data represent only reported production and some of that has been estimated.

Coal production before 1922 is listed as undifferentiated (Undif.). Although coal had been produced by surface-mining methods before this date, the production was not listed in the literature or annual reports of the Kentucky Department of Mines and Minerals. For compilation purposes, all coal production reported since the beginning of 1922 was assumed to be subsurface unless otherwise noted. The surface-production category (Surf.) includes production from strip and auger mines. Auger mining is included in surface production because the Kentucky Department of Mines and Minerals categorizes mines as surface or underground by the working location of the miners. The underground-production category (Undr.) includes mines defined as shaft, drift, adit, and slope entry.

Production listed in Table 1 as "Estimated Additional Production" includes that from late-reporting mines, wagon mines, and counties with limited production, as well as

estimates made for "nonreporting" and "noncooperating" mines. The region and type of production for this data could not be determined. Much of the mining was prior to 1940 and is assumed to be underground. This estimated production is included in the yearly grand totals.

All production is reported in short tons (2000 pounds). In many of the older reports, production was reported in bushels; a conversion factor of 25 bushels per short ton was used to standardize these figures. This same factor was used by Eavenson (1942) in his report on production for the years 1790 to 1885.

The production figures for years prior to 1886 are mainly estimates published by Eavenson (1942) and are therefore less accurate than the data for subsequent years. Values for 1886 through 1889 were taken from Mineral Resources of the United States published by the U.S. Geological Survey. Although the total production for each coal field for 1886 and 1888 had been published, production for the individual counties for this time period had to be estimated. Estimates for the Eastern Kentucky coal field were modified from Huddle and others (1963). In addition to the listed counties, Livingston County has also produced minor amounts of coal. Production data after 1889 were compiled mainly from the annual reports of the Kentucky Department of Mines and Minerals.

- Less than 50,000
- 50,000 to 999,999
- 1,000,000 to 9,999,999
- 10,000,000 to 49,999,999
- 50,000,000 to 99,999,999
- 100,000,000 and greater



Figure 1. Accumulated coal production in Kentucky by county, 1790-1975.

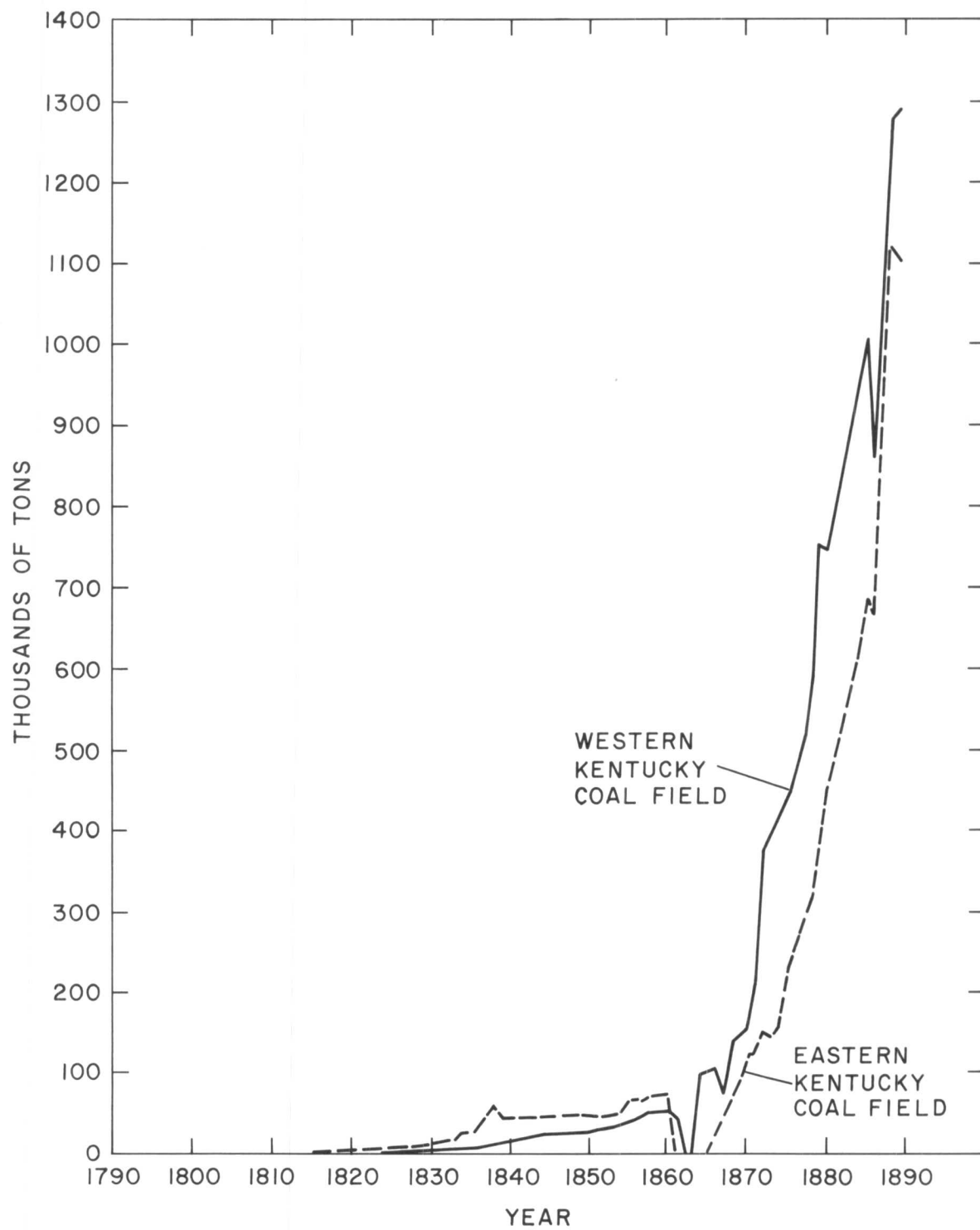


Figure 2. Coal production in Kentucky by coal field, 1790-1889.

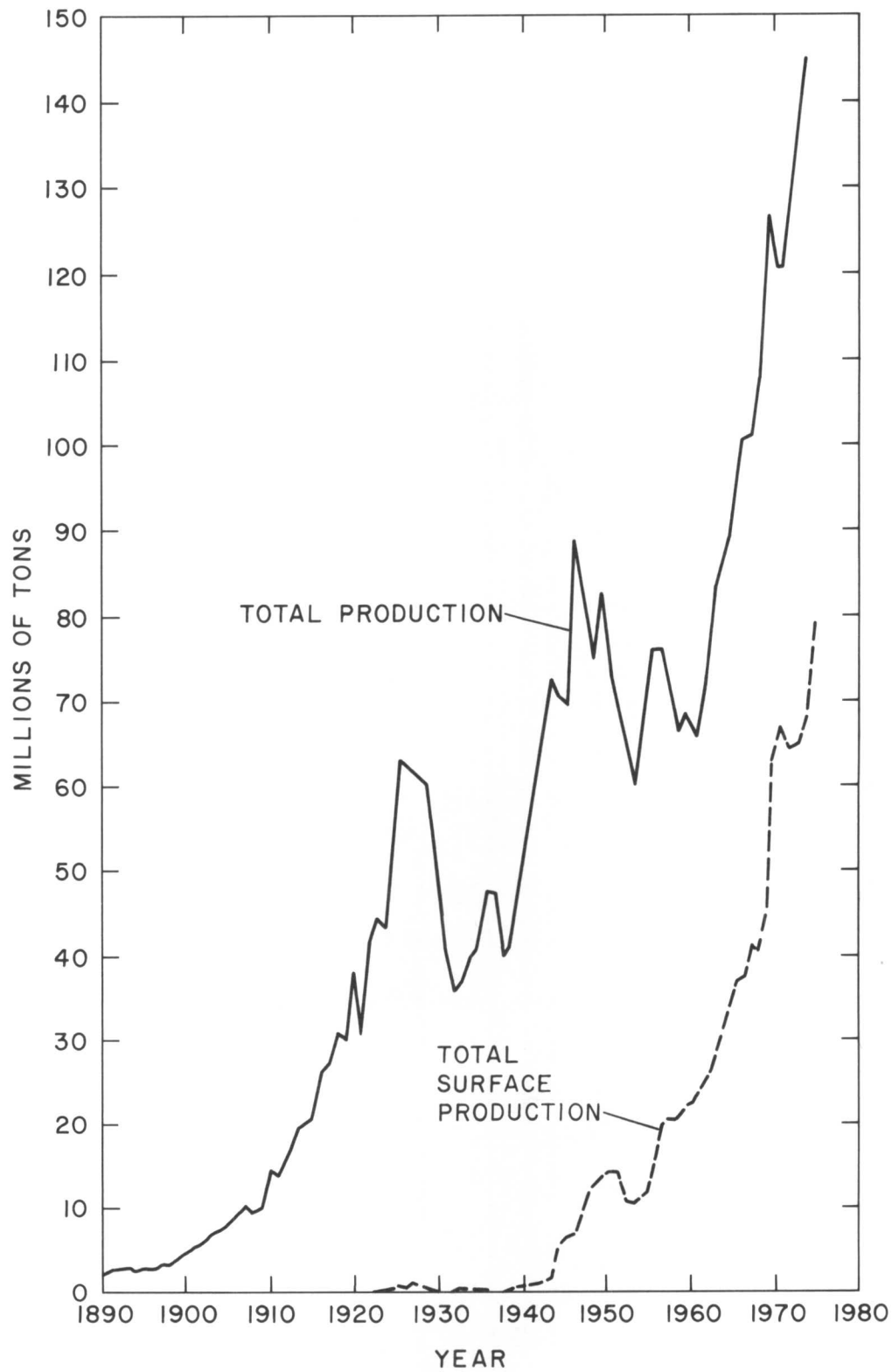


Figure 3. Total coal production in Kentucky, 1890-1975.

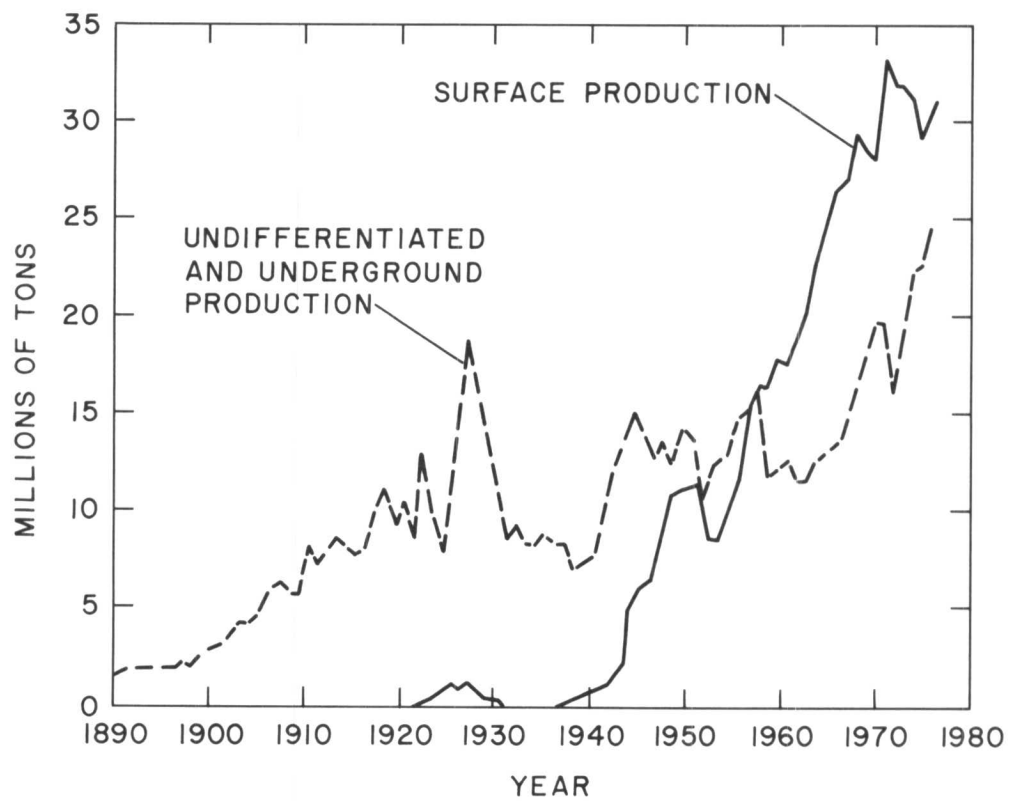


Figure 4. Coal production in the Western Kentucky coal field by type, 1890-1975.

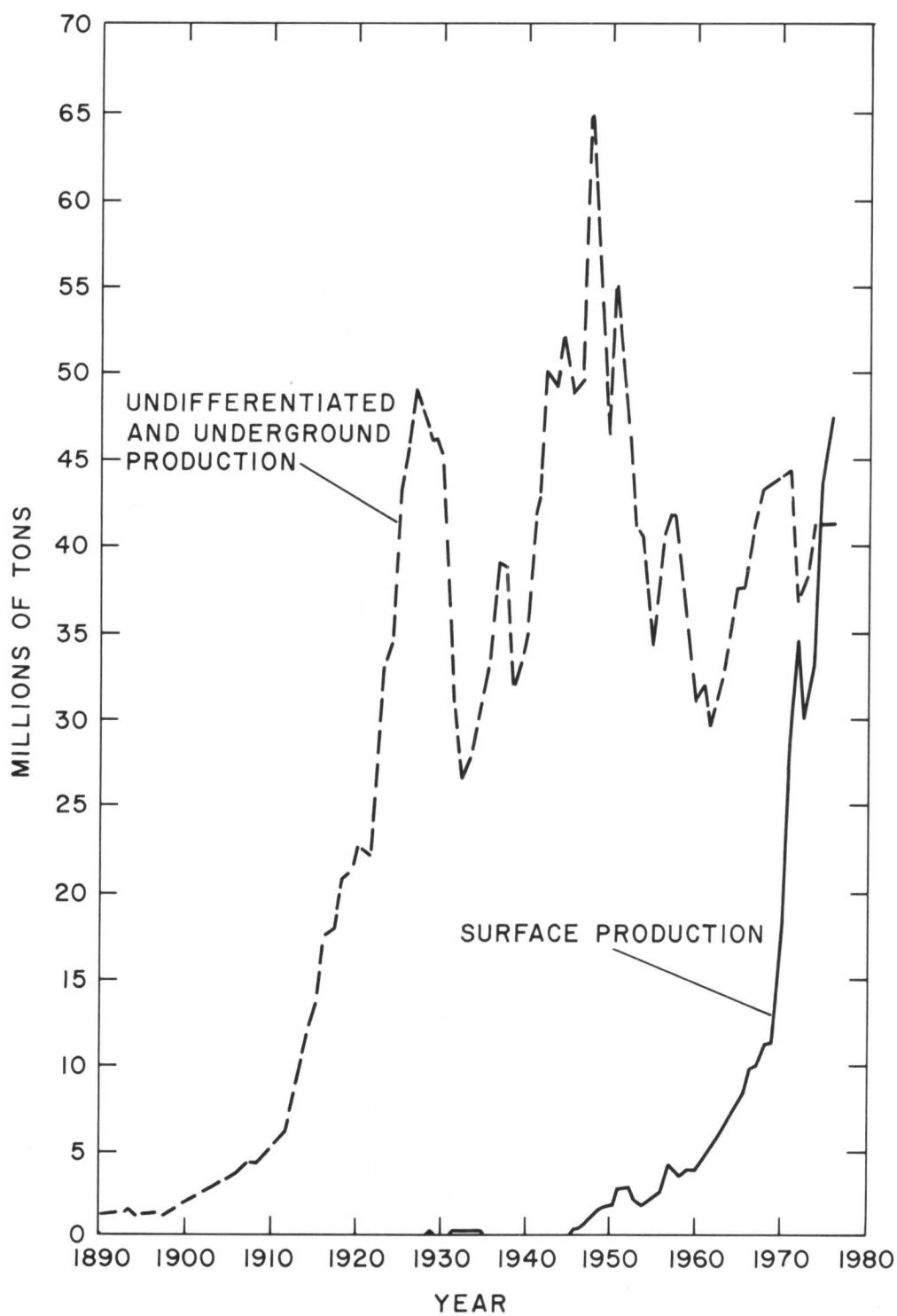


Figure 5. Coal production in the Eastern Kentucky coal field by type, 1890-1975.

TABLE 1.--SUMMARY OF COAL PRODUCTION IN KENTUCKY, 1790-1975.
(PRODUCTION FIGURES GIVEN IN SHORT TONS)

	WESTERN KENTUCKY COAL FIELD	EASTERN KENTUCKY COAL FIELD	EST. ADD. PRODUCTION	GRAND TOTAL
1790-1889	15,440,023	11,168,891	522,957	27,131,871
1890-1975	<u>1,515,489,423</u>	<u>2,776,832,913</u>	<u>13,859,649</u>	<u>4,306,181,985</u>
TOTAL	1,530,929,446	2,788,001,804	14,382,606	4,333,313,856

TABLE 2.--KENTUCKY COUNTIES PRODUCING MORE THAN
100,000,000 TONS OF COAL, 1790-1975

COUNTY	PRODUCTION, IN TONS
Harlan	583,655,908
Pike	573,400,968
Muhlenberg	539,797,512
Hopkins.	514,439,222
Letcher.	321,030,955
Perry.	292,978,612
Floyd.	270,072,753
Ohio	159,156,835
Bell	156,254,392
Union.	127,786,074

Largest subsurface production, 1890-1975

Eastern Kentucky coal field: Harlan County (520,998,829 tons)

Western Kentucky coal field: Hopkins County (283,352,889 tons)

Largest surface production, 1890-1975

Eastern Kentucky coal field: Pike County (49,575,308 tons)

Western Kentucky coal field: Muhlenberg County (300,987,395 tons)

TABLE 3.--PRODUCTION SUMMARY FOR THE WESTERN KENTUCKY COAL FIELD, 1790-1975.

(IN SHORT TONS)

County	Undifferentiated		Surface 1890-1975	Underground 1890-1975	Total Production 1790-1975
	1790-1889*	1890-1975			
Breckinridge	75,000				75,000
Butler	226,524	345,899	3,384,489	3,373,648	7,330,560
Caldwell			117,903		117,903
Christian	210,172	2,310,477	1,411,254	2,511,725	6,443,628
Crittenden	301,418	10,613	63,935	141,768	517,734
Daviess	920,500	1,279,733	22,805,847	6,744,839	31,750,919
Edmonson	178		705,822	165,364	871,364
Grayson	892		634,573	5,000	640,465
Hancock	783,970	426,674	1,427,360	661,156	3,299,160
Henderson	928,817	6,182,446		15,016,521	22,127,784
Hopkins	4,853,557	60,554,978	165,677,798	283,352,889	514,439,222
McLean	840,179	2,589,623	5,047,186	1,913,414	10,390,402
Muhlenberg	2,397,465	51,764,430	300,987,395	184,648,222	539,797,512
Ohio	1,792,048	19,196,891	100,139,178	38,028,718	159,156,835
Todd	530				530
Union	1,900,567	14,817,040	1,936,580	109,131,887	127,786,074
Warren	24,155		2,000		26,155
Webster	184,051	22,172,608	15,320,760	53,040,757	90,718,176
TOTAL	15,440,023	181,651,412	619,662,080	698,735,908	1,515,489,423

*Separated from later undifferentiated production figures because of numerous estimates.

TABLE 4.--PRODUCTION SUMMARY FOR THE EASTERN KENTUCKY COAL FIELD, 1790-1975
(IN SHORT TONS)

County	Undifferentiated		Surface	Underground	Total Production
	1790-1889*	1890-1975	1890-1975	1890-1975	1790-1975
Bath				3,053	3,053
Bell	24,767	36,392,121	33,383,473	86,454,031	156,254,392
Boyd	2,620,121	4,044,121	3,917,634	4,810,481	15,392,357
Breathitt	187,653	1,411,875	41,642,213	12,572,777	55,814,518
Carter	1,623,808	4,645,867	2,159,959	6,489,179	14,918,813
Clay	170,724	313,049	6,039,834	23,672,091	30,195,698
Clinton	39,645		698,593	916,705	1,654,943
Elliott	1,100		1,801,843	830,884	2,633,827
Estill			100	500	600
Floyd	2,236	14,068,343	13,752,860	242,249,314	270,072,753
Greenup	496,352	8,217	781,701	993,199	2,279,469
Harlan	785	42,223,331	20,364,870	520,998,829	583,587,815
Jackson	568	27,814	1,120,458	5,561,104	6,709,944
Johnson	81,816	12,585,474	10,998,881	32,650,009	56,316,180
Knott	1,158	395,860	14,065,452	60,400,431	74,862,901
Knox		15,664,957	8,284,028	19,254,518	43,203,503
Laurel	939,369	7,937,365	6,131,286	5,489,974	20,497,994
Lawrence	648,734	1,800,357	3,579,694	1,066,094	7,094,879
Lee	708,286	1,158,882	587,732	2,854,714	5,309,614
Leslie	1,271		8,579,450	54,648,043	63,228,764
Letcher	1,573	31,390,198	22,506,694	267,132,490	321,030,955
Lewis				7,362	7,362
Madison	9,975		3,871	7,371	21,217
Magoffin	5,404	67,884	7,808,124	3,702,891	11,584,303
Martin	1,916	538,278	15,421,216	25,274,152	41,235,562
McCreary	528,000	7,454,193	3,219,936	33,975,703	45,177,832
Menifee	73,914	18,375	8,097	255,640	356,026
Montgomery				7,667	7,667
Morgan	115,902	1,390,181	4,171,662	1,677,358	7,355,103
Owsley	2,201		1,152,602	180,633	1,335,436
Perry	349	21,223,437	42,332,528	229,422,298	298,978,612
Pike	1,962	45,632,313	49,575,308	478,191,385	573,400,968
Powell	69	80	18,774	1,842	20,765
Pulaski	814,491	2,379,183	5,102,626	5,338,761	13,635,061
Rockcastle	808,245	281,085	1,128,780	1,804,239	4,022,349
Rowan		2,760	2,790	22,229	27,779
Wayne	1,457	105,671	749,717	600,781	1,457,626
Whitley	1,222,566	21,842,129	11,463,922	17,322,581	51,851,198
Wolfe	32,474		366,866	895,735	1,295,075
TOTAL	11,168,891	275,003,400	342,923,574	2,147,737,048	2,776,832,913

*Separated from later undifferentiated production figures because of numerous estimates.

COAL PRODUCTION IN KENTUCKY, 1790-1844

ANNUAL PRODUCTION TOTALS, IN SHORT TONS

Year	Type	Western Kentucky Coal Field	Eastern Kentucky Coal Field	Est. Add. Production	Annual Grand Total
1790	Undif.		20		20
1794	Undif.		20		20
1800	Undif.		100		100
1801	Undif.		100		100
1802	Undif.		100		100
1803	Undif.		200		200
1804	Undif.		200		200
1805	Undif.		300		300
1806	Undif.		400		400
1807	Undif.		500		500
1808	Undif.		500		500
1809	Undif.		600		600
1810	Undif.		700		700
1811	Undif.		800		800
1812	Undif.		900		900
1813	Undif.		1,000		1,000
1814	Undif.		1,100		1,100
1815	Undif.		1,200		1,200
1816	Undif.		1,300		1,300
1817	Undif.		1,400		1,400
1818	Undif.		1,500		1,500
1819	Undif.		1,600		1,600
1820	Undif.	300	1,700		2,000
1821	Undif.	300	1,800		2,100
1822	Undif.	400	1,900		2,300
1823	Undif.	400	2,000		2,400
1824	Undif.	500	2,600		3,100
1825	Undif.	3,600	3,100		6,700
1826	Undif.	3,900	3,600		7,500
1827	Undif.	4,300	4,200		8,500
1828	Undif.	4,600	5,000		9,600
1829	Undif.	4,900	11,100		16,000
1830	Undif.	5,300	13,600		18,900
1831	Undif.	5,600	16,100		21,700
1832	Undif.	5,900	17,500		23,400
1833	Undif.	7,100	19,500		26,600
1834	Undif.	7,300	27,400		34,700
1835	Undif.	8,000	28,000		36,000
1836	Undif.	9,300	31,000		40,300
1837	Undif.	10,700	47,500		58,200
1838	Undif.	12,100	62,200		74,300
1839	Undif.	13,700	49,500		63,200
1840	Undif.	15,300	47,400		62,700
1841	Undif.	16,900	47,800		64,700
1842	Undif.	18,500	48,200		66,700
1843	Undif.	20,200	48,600		68,800
1844	Undif.	21,500	49,000		70,500

COAL PRODUCTION IN THE WESTERN KENTUCKY COAL FIELD, 1790-1844

(IN SHORT TONS)

Year	Type	Breckinridge	Butler	Caldwell	Christian	Crittenden	Daviess
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820							
1821							
1822							
1823							
1824							
1825							3,000
1826							2,800*
1827							2,600
1828							2,400
1829							2,200
1830							2,000
1831							1,800
1832							1,600
1833		1,000					1,400
1834		1,000*					1,200
1835		1,000					1,000
1836		1,000					800
1837		1,000					500*
1838		1,000					200
1839		1,000					500*
1840		1,000					800
1841		1,000					1,100
1842		1,000					1,400
1843		1,000					1,700*
1844		1,000					2,000

*Estimated

WESTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Edmonson	Grayson	Hancock	Henderson	Hopkins	McLean
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820					200*		
1821					200*		
1822					200		
1823					200		
1824					200*		
1825					200		100
1826					600*		200*
1827					1,000		300
1828					1,400		400
1829					1,800		500
1830					2,200		600
1831					2,600		700
1832					3,000		800
1833					3,300		900
1834					3,600		1,000
1835				500	3,900		1,100
1836				1,100*	4,200		1,200
1837				1,700	4,600*		1,300
1838				2,300	5,000		1,400
1839				2,900	5,000*		1,500
1840				3,500	5,000		1,600
1841				4,100	5,000		1,700
1842				4,700	5,000		1,800
1843				5,400*	5,000		1,900
1844				6,000	5,000		2,000

*Estimated

WESTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Muhlenberg	Ohio	Todd	Union	Warren	Webster
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820		100					
1821		100*					
1822		200					
1823		200					
1824		300					
1825		300					
1826		300					
1827		400					
1828		400					
1829		400*					
1830		500					
1831		500*					
1832		500					
1833		500					
1834		500					
1835		500					
1836		500			500		
1837		500*			1,100*		
1838		500			1,700		
1839		500*			2,300		
1840		500			2,900		
1841		500			3,500		
1842		500			4,100		
1843		500			4,700*		
1844		500			5,000		

*Estimated

COAL PRODUCTION IN THE EASTERN KENTUCKY COAL FIELD, 1790-1844
(IN SHORT TONS)

Year	Type	Bath	Bell	Boyd	Breathitt	Carter	Clay
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820							
1821							
1822							
1823							
1824							
1825							
1826							
1827							
1828							
1829							5,000*
1830							6,000
1831							7,000
1832							8,000
1833							9,000*
1834							10,000
1835							9,000*
1836							8,000*
1837					200		7,000*
1838				1,000	500*		6,000
1839				1,000*	1,000*		5,600*
1840				1,000	1,200		5,200
1841				1,000	1,600*		4,800*
1842				1,000	2,000		4,400
1843				1,000	2,400		4,000
1844				1,000	2,800		3,600

*Estimated

EASTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Clinton	Elliott	Estill	Floyd	Greenup	Harlan
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820							
1821							
1822							
1823							
1824						500*	
1825						900*	
1826						1,300	
1827						1,700	
1828						2,100	
1829						2,500	
1830						2,900	
1831						3,300	
1832						3,700	
1833						4,100	
1834						4,500	
1835						5,000*	
1836						5,000*	
1837						17,500	
1838						15,000*	
1839						12,000*	
1840						12,000*	
1841						12,000*	
1842						12,000*	
1843						12,000*	
1844						12,000*	

*Estimated

EASTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Jackson	Johnson	Knott	Knox	Laurel	Lawrence
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820							
1821							
1822							
1823							
1824							
1825							
1826							
1827							
1828							
1829							
1830							
1831							
1832							
1833							
1834							
1835							
1836							
1837							
1838							200
1839							300*
1840							400
1841							500
1842							600
1843							700
1844							800

*Estimated

EASTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Lee	Leslie	Letcher	Lewis	Madison	Magoffin
1790		20					
1794		20					
1800		100*					
1801		100*					
1802		100*					
1803		200					
1804		200					
1805		300					
1806		400*					
1807		500					
1808		500*					
1809		600*					
1810		700*					
1811		800					
1812		900					
1813		1,000					
1814		1,100					
1815		1,200					
1816		1,300					
1817		1,400					
1818		1,500					
1819		1,600					
1820		1,700					
1821		1,800					
1822		1,900					
1823		2,000					
1824		2,100					
1825		2,200					
1826		2,300					
1827		2,400					
1828		2,500					
1829		2,600					
1830		2,700					
1831		2,800					
1832		2,800					
1833		2,900					
1834		2,900*					
1835		3,000					
1836		5,000*					
1837		6,500*					
1838		8,000					
1839		7,000*					
1840		6,000					
1841		6,300*					
1842		6,600					
1843		6,900					
1844		7,200					

*Estimated

EASTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Martin	McCreary	Menifee	Montgomery	Morgan	Owsley
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820							
1821							
1822							
1823							
1824							
1825							
1826							
1827			100				
1828			400				
1829			1,000				
1830			2,000				
1831			3,000				
1832			3,000				
1833			3,500				
1834			10,000				
1835			11,000				
1836			13,000				
1837			14,000			2,000	
1838			27,000			4,000	
1839			20,000*			2,000*	
1840			20,000			1,000*	
1841			20,000			1,000*	
1842			20,000			800*	
1843			20,000			800*	
1844			20,000			800*	

*Estimated

EASTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Perry	Pike	Powell	Pulaski	Rockcastle	Rowan
1790							
1794							
1800							
1801							
1802							
1803							
1804							
1805							
1806							
1807							
1808							
1809							
1810							
1811							
1812							
1813							
1814							
1815							
1816							
1817							
1818							
1819							
1820							
1821							
1822							
1823							
1824							
1825							
1826							
1827							
1828							
1829							
1830							
1831							
1832							
1833							
1834							
1835							
1836							
1837							
1838					200		
1839					200*		
1840					200		
1841					200		
1842					300		
1843					300		
1844					300		

*Estimated

EASTERN KENTUCKY COAL FIELD, 1790-1844 (Continued)

Year	Type	Wayne	Whitley	Wolfe
1790				
1794				
1800				
1801				
1802				
1803				
1804				
1805				
1806				
1807				
1808				
1809				
1810				
1811				
1812				
1813				
1814				
1815				
1816				
1817				
1818				
1819				
1820				
1821				
1822				
1823				
1824				
1825				
1826				
1827				
1828				
1829				
1830				
1831				
1832				
1833				
1834				
1835				
1836				
1837			300	
1838			300*	
1839			400	
1840			400	
1841			400	
1842			500	
1843			500	
1844			500	

*Estimated

COAL PRODUCTION IN KENTUCKY, 1845-1889

ANNUAL PRODUCTION TOTALS, IN SHORT TONS

Year	Type	Western Kentucky Coal Field	Eastern Kentucky Coal Field	Est. Add. Production	Annual Grand Total
1845	Undif.	22,500	49,300		71,800
1846	Undif.	23,000	48,800		71,800
1847	Undif.	24,500	48,200		72,700
1848	Undif.	25,800	47,600		73,400
1849	Undif.	27,200	47,000		74,200
1850	Undif.	28,600	46,900		75,500
1851	Undif.	30,300	46,500		76,800
1852	Undif.	31,500	47,300		78,800
1853	Undif.	32,900	49,300		82,200
1854	Undif.	34,400	51,400		85,800
1855	Undif.	41,000	66,600		107,600
1856	Undif.	46,900	67,300		114,200
1857	Undif.	49,400	69,200		118,600
1858	Undif.	52,000	70,900		122,900
1859	Undif.	54,400	72,600	142,280	269,280
1860	Undif.	56,800	74,600		131,400
1861	Undif.	43,300	2,150		45,450
1862	Undif.	4,200			4,200
1863	Undif.	4,100			4,100
1864	Undif.	104,100			104,100
1865	Undif.	106,500			106,500
1866	Undif.	109,135	30,000		139,135
1867	Undif.	69,285	44,900		114,185
1868	Undif.	104,170	70,800		174,970
1869	Undif.	136,964	92,074		229,038
1870	Undif.	157,135	125,245		282,380
1871	Undif.	218,460	127,315		345,775
1872	Undif.	375,325	154,880		530,205
1873	Undif.	391,300	148,580		539,880
1874	Undif.	419,120	164,465		583,585
1875	Undif.	440,355	226,110		666,465
1876	Undif.	471,950	260,100		732,050
1877	Undif.	505,070	294,903		799,973
1878	Undif.	573,418	315,940		889,358
1879	Undif.	751,413	373,202		1,124,615
1880	Undif.	742,710	458,105	2,000	1,202,815
1881	Undif.	796,600	494,600	4,000	1,295,200
1882	Undif.	850,500	537,500	6,000	1,394,000
1883	Undif.	904,800	580,800	8,000	1,493,600
1884	Undif.	958,784	617,051	10,000	1,585,835
1885	Undif.	1,014,600	693,287	12,000	1,719,887
1886	Undif.	855,000	664,200	170,000	1,689,200
1887	Undif.	982,294	950,901		1,933,195
1888	Undif.	1,276,650	1,124,673	168,677	2,570,000
1889	Undif.	1,290,985	1,108,770		2,399,755

COAL PRODUCTION IN THE WESTERN KENTUCKY COAL FIELD, 1845-1889

(IN SHORT TONS)

Year	Type	Breckinridge	Butler	Caldwell	Christian	Crittenden	Daviess
1845		1,000					2,000*
1846		1,000*					2,000*
1847		1,000					2,000
1848		1,000					2,000
1849		1,000					2,000
1850		1,000					2,000
1851		1,000					2,200
1852		1,000					2,200
1853		1,000*					2,200
1854		1,000					2,200
1855		5,000*					2,200
1856		8,000					2,400
1857		8,000					2,400
1858		8,000					2,400
1859		8,000					2,400
1860		8,000					2,400
1861		8,000*					1,000*
1862							
1863							
1864							
1865							1,000*
1866							1,500*
1867							2,000
1868							2,500*
1869			4,420			23,600	2,888
1870			5,800*		2,000*	22,800*	9,000*
1871			7,100		2,700	22,000	14,000
1872			8,400		3,400	21,200	19,000
1873			9,700		4,100	20,400	24,000
1874			11,000		4,800	19,600	29,000
1875			12,300		5,500	18,800	34,000
1876			13,600		6,200	18,000	39,000
1877			14,900		6,900	17,200	44,000*
1878			16,200*		7,600	16,100*	50,000
1879			17,615		8,300	15,100	82,500
1880			16,500*		9,000	14,100*	80,000
1881			15,400		9,700	13,100	75,000*
1882			14,300		10,400	12,100	70,000
1883			13,200		11,500*	11,100	65,000
1884			12,100		12,284	10,100	60,000
1885			11,000*		15,000*	9,000*	55,000*
1886			8,500*		12,000*	3,000*	20,000*
1887					24,507	2,832	15,242
1888			8,000*		27,000*	6,000*	28,000*
1889			6,489		27,281	5,286	30,870

*Estimated

WESTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Edmonson	Grayson	Hancock	Henderson	Hopkins	McLean
1845				6,000*	5,000*		2,000*
1846				6,000*	5,000*		2,000*
1847				6,000	5,000		2,500
1848				5,800	5,000		3,000
1849				5,600	5,000		3,600
1850				5,400	5,000*		4,200
1851				5,400	5,000*		4,700
1852				5,200	4,900*		5,200
1853				5,000	4,900		5,800
1854				5,000*	4,800		6,400
1855				6,000	4,700*		7,100
1856				7,000	4,700		7,800
1857				8,000	4,600		8,400
1858				9,000	4,600		9,000
1859				10,000	4,500		9,500*
1860				11,000	4,400		10,000*
1861				9,000*	4,300		
1862					4,200		
1863					4,100		
1864				100,000	4,100		
1865				80,000*	4,000		
1866				60,000*	4,000	500*	10,000*
1867				4,000*	3,900	900	12,500
1868				20,000*	3,900*	1,300*	15,000
1869				8,000	3,800	1,450	17,500
1870				9,500*	5,100*	5,000*	20,000
1871				11,000	6,300*	50,000*	22,500
1872				12,500	7,600	110,000	25,000
1873				14,000	9,400	110,000	27,500
1874				15,500	8,400	120,000*	30,000
1875				17,000	8,800	130,000	32,500
1876				18,500	19,000*	140,000	35,000
1877				20,000	29,000*	150,000*	37,500*
1878				22,000*	40,000	163,968	40,000
1879				23,782	61,323	230,357	41,000
1880				23,500*	50,000	192,047	50,000
1881				23,300	51,500*	227,000*	48,500
1882				23,100	53,000	262,000	47,000
1883				22,900	54,500	297,000	45,500
1884				22,700	56,000	332,000	44,000
1885				22,500*	57,500*	367,000*	42,500*
1886				18,500*	48,000*	365,000*	20,000*
1887					50,912	487,916	13,652
1888		100*	400*	22,500*	65,000*	555,000*	15,650*
1889		78	492	21,588	65,682	555,119	35,177

*Estimated

WESTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Muhlenberg	Ohio	Todd	Union	Warren	Webster
1845		500*			6,000*		
1846					7,000*		
1847					8,000		
1848					9,000		
1849					10,000		
1850					11,000		
1851					12,000		
1852					13,000		
1853					14,000*		
1854					15,000		
1855					16,000*		
1856					17,000		
1857					18,000		
1858					19,000		
1859					20,000		
1860					21,000		
1861					21,000*		
1862							
1863							
1864							
1865			500*		21,000*		
1866			1,000*		32,000	135	
1867			1,500		43,000	1,485	
1868			2,000		55,000*	4,470	
1869		820	2,600		67,466	3,570	850
1870		1,000*	3,200		69,000*	3,735	1,000*
1871		5,000*	3,700*		70,500	2,460	1,200*
1872		90,000	4,300		72,000	525	1,400
1873		90,000	6,500		73,500	600	1,600
1874		91,000*	12,600		75,000	420	1,800
1875		92,000	10,400*		76,500	555	2,000
1876		93,000	8,200*		78,000	1,250*	2,200*
1877		94,000*	6,100		81,000*	2,070	2,400
1878		95,000	34,300		84,000	1,650*	2,600*
1879		109,617	78,317		79,600	1,230	2,672
1880		124,963	95,000*		82,000		5,600*
1881		133,000*	112,000		79,500*		8,600
1882		141,000	129,000		77,000		11,600
1883		149,000	146,000		74,500		14,600
1884		157,000	163,000		72,000		17,600
1885		165,000*	180,000*		69,500*		20,600*
1886		150,000*	145,000*		45,000*		20,000*
1887		189,510	150,578		47,145		
1888		209,000*	250,000*		57,000*		33,000*
1889		206,855	246,253		56,556		32,729

*Estimated

COAL PRODUCTION IN THE EASTERN KENTUCKY COAL FIELD, 1845-1889
(IN SHORT TONS)

Year	Type	Bath	Bell	Boyd	Breathitt	Carter	Clay
1845				1,000*	3,200*		3,200*
1846				1,000*	3,600*		3,000*
1847				1,000	4,000		2,900
1848				1,000	4,400		2,800
1849				1,000	4,800		2,700
1850				1,000	5,200		2,600
1851				1,000	5,600		2,500
1852				1,000	6,000		2,400
1853				1,000	6,400		2,300
1854				1,000	6,900		2,200
1855				1,000	7,400		2,100
1856				1,000	7,900		2,000
1857				1,000	8,400		1,900
1858				1,000	8,900		1,800
1859				1,000	9,400*		1,700
1860				1,000*	10,000		1,600*
1861				1,000*			
1862							
1863							
1864							
1865							
1866				1,000*		5,000	
1867				1,400		12,000*	
1868				1,800*	10,000	20,000*	
1869				2,236	9,200*	27,000*	
1870				29,500	8,400	35,000	
1871				25,500	7,600	36,000*	
1872				34,500	6,800	37,000	
1873				35,000	6,000	38,000	
1874				46,000	5,200	39,000	
1875				77,000*	4,400	40,000	
1876				108,000	3,600	41,000	
1877				139,000	2,800	43,000	
1878				170,000*	2,000	45,000*	
1879			272	202,516	1,500	46,811	154
1880			300*	200,000	1,000	59,000*	700*
1881			500	196,000*	1,000*	71,000	1,200
1882			700	192,000	1,000	83,000	1,700
1883			900	188,000	1,000	95,000	2,200
1884			1,000	184,000	1,000	107,000	2,700
1885			1,000*	180,000*	1,000*	120,000*	3,200
1886				115,500*		123,800*	3,900*
1887				145,945		158,021	2,000
1888				158,100*		169,400*	7,500*
1889			20,095	163,124	353	172,776	5,170

*Estimated

EASTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Clinton	Elliott	Estill	Floyd	Greenup	Harlan
1845						12,000*	
1846						11,000*	
1847						10,000*	
1848						9,000*	
1849						8,000*	
1850						7,000*	
1851						6,000*	
1852						5,000*	
1853						4,000*	
1854						3,000*	
1855						2,000*	
1856						1,000*	
1857						1,000*	
1858						1,000*	
1859						1,000	
1860						1,000*	
1861							
1862							
1863							
1864							
1865							
1866						5,000*	
1867						12,000	
1868						19,000*	
1869		7,143				25,180	
1870		6,400*				23,500*	
1871		5,700				22,000	
1872		5,000				20,500	
1873		4,300				19,000	
1874		3,600				17,500	
1875		2,900				16,000	
1876		2,200				14,500	
1877		1,500				13,000	
1878		800*				11,500*	
1879		102				10,340	
1880						9,400	
1881						8,400	
1882						7,400	
1883						6,500	
1884						5,500	
1885						4,500*	
1886							
1887							
1888							
1889			1,100		2,236	632	785

*Estimated

EASTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Jackson	Johnson	Knott	Knox	Laurel	Lawrence
1845							900*
1846							1,000*
1847							1,000
1848							800*
1849							600
1850							400*
1851							100
1852							1,000*
1853							3,000
1854							5,000*
1855							20,000
1856							20,000*
1857							20,000
1858							20,000
1859							20,000
1860							20,000*
1861							150
1862							
1863							
1864							
1865							
1866							
1867							
1868							
1869							
1870							
1871							
1872							
1873							
1874							
1875							
1876							
1877							
1878							
1879			169				199
1880			300				40,000*
1881			1,000				44,000
1882			5,000*				48,000
1883			10,000				52,000
1884			15,000				56,000
1885			18,000*				60,000*
1886						148,000*	35,800*
1887						226,618	46,598
1888						284,300*	48,900*
1889		568	32,347	1,158		280,451	79,787

*Estimated

EASTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Lee	Leslie	Letcher	Lewis	Madison	Magoffin
1845		7,500*					
1846		7,800*					
1847		8,100					
1848		8,400					
1849		8,700					
1850		9,000					
1851		9,300					
1852		9,600					
1853		9,900					
1854		10,200					
1855		10,500					
1856		10,800					
1857		11,100					
1858		11,400					
1859		11,700					
1860		12,000*					
1861							
1862							
1863							
1864							
1865							
1866		12,000*					
1867		12,000*					
1868		12,000					
1869		13,300*					
1870		14,600					
1871		15,900					
1872		17,200					
1873		18,500					
1874		19,800					
1875		21,100					
1876		22,400					
1877		23,700					
1878		25,000*					
1879		27,970				2,000	
1880		27,473				1,800*	
1881		25,000				1,600	
1882		26,000*				1,400	
1883		27,000				1,200	
1884		20,000				1,000	
1885		10,000				800*	
1886							
1887							
1888							
1889		48,703	1,271	1,573		175	5,404

*Estimated

EASTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Martin	McCreary	Menifee	Montgomery	Morgan	Owsley
1845			20,000*			600*	
1846			20,000*			400*	
1847			20,000			200*	
1848			20,000			100	
1849			20,000			100	
1850			20,000*			400*	
1851			20,000			700	
1852			20,000			1,000	
1853			20,000			1,300	
1854			20,000			1,600	
1855			20,000			2,000*	
1856			20,000			3,000	
1857			20,000			4,000	
1858			20,000			5,000	
1859			20,000			6,000	
1860			20,000*			7,000*	
1861							
1862							
1863							
1864							
1865							
1866						7,000*	
1867						7,500*	
1868						8,000	
1869						7,300*	
1870						6,600	
1871						5,900	
1872						5,200	
1873						4,500	
1874						3,800	
1875						3,100	
1876						2,400	
1877						1,800	
1878						1,200*	
1879		56		14,254		541	
1880		100*		13,000*		600*	
1881		100		11,700		600	
1882		200		10,400		700	
1883		200		9,100		700	
1884		300		7,800		800	
1885		300*		6,500*		800*	
1886							
1887							
1888							
1889		660		1,160		1,061	2,201

*Estimated

EASTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Perry	Pike	Powell	Pulaski	Rockcastle	Rowan
1845					400*		
1846					400*		
1847					400		
1848					500		
1849					500		
1850					600*		
1851					600		
1852					600		
1853					700		
1854					700		
1855					800*		
1856					800		
1857					900		
1858					900		
1859					900		
1860					1,000*		
1861							
1862							
1863							
1864							
1865							
1866							
1867							
1868							
1869						715	
1870						1,245	
1871						8,715	
1872						28,680	
1873						23,280	
1874						29,565	
1875					2,000*	59,610	
1876					6,000	60,000*	
1877					10,000	60,103	
1878					14,000*	46,440	
1879					17,744	48,390	
1880					24,500*	60,932	
1881					31,500	63,000*	
1882					38,000	65,000	
1883					44,000	67,000*	
1884					51,000	68,951	
1885					58,000	115,187	
1886					93,000*		
1887					148,384		
1888					179,600*		
1889		349	1,962	69	84,363	1,432	

*Estimated

EASTERN KENTUCKY COAL FIELD, 1845-1889 (Continued)

Year	Type	Wayne	Whitley	Wolfe
1845			500*	
1846			600*	
1847			600	
1848			600	
1849			600	
1850			700	
1851			700	
1852			700	
1853			700	
1854			800	
1855			800	
1856			800	
1857			900	
1858			900	
1859			900	
1860			1,000*	
1861				
1862				
1863				
1864				
1865				
1866				
1867				
1868				
1869				
1870				
1871				
1872				
1873				
1874				
1875				
1876				
1877				
1878				
1879			184	
1880			18,000*	1,000*
1881			36,000	2,000*
1882			54,000	3,000*
1883			72,000	4,000*
1884			90,000	5,000*
1885			108,000*	6,000*
1886			144,200*	
1887			223,335	
1888			276,873*	
1889		1,457	184,874	11,474

*Estimated

COAL PRODUCTION IN KENTUCKY, 1890-1930

ANNUAL PRODUCTION TOTALS, IN SHORT TONS

Year	Type	Western Kentucky Coal Field	Eastern Kentucky Coal Field	Est. Add. Production	Annual Grand Total
1890	Undif.	1,315,128	1,217,398		2,532,526
1891	Undif.	1,608,074	1,354,664		2,962,738
1892	Undif.	1,734,652	1,292,648		3,027,300
1893	Undif.	1,799,793	1,502,489		3,302,282
1894	Undif.	1,806,966	1,150,228		2,957,194
1895	Undif.	1,784,279	1,423,493		3,207,772
1896	Undif.	1,762,461	1,421,017		3,183,478
1897	Undif.	2,114,572	1,189,481		3,304,053
1898	Undif.	2,071,071	1,471,063		3,542,134
1899	Undif.	2,740,565	1,764,875		4,505,440
1900	Undif.	2,933,502	2,087,184		5,020,686
1901	Undif.	3,071,650	2,253,062		5,324,712
1902	Undif.	3,643,975	2,785,105		6,429,080
1903	Undif.	4,244,782	2,953,469		7,198,251
1904	Undif.	4,121,564	3,045,759		7,167,323
1905	Undif.	4,682,057	3,357,189		8,039,246
1906	Undif.	5,788,491	3,810,038		9,598,529
1907	Undif.	6,160,782	4,275,279		10,436,061
1908	Undif.	5,634,596	4,171,181		9,805,777
1909	Undif.	5,578,161	4,715,994		10,294,155
1910	Undif.	8,448,752	6,291,259		14,740,011
1911	Undif.	6,959,541	6,965,270		13,924,811
1912	Undif.	7,795,904	8,535,900		16,331,804
1913	Undif.	8,439,049	10,985,133		19,424,182
1914	Undif.	7,794,807	12,373,343		20,168,150
1915	Undif.	7,585,465	13,688,204		21,273,669
1916	Undif.	7,727,428	17,565,249		25,292,677
1917	Undif.	9,937,617	17,879,024	50,000	27,866,641
1918	Undif.	10,798,690	20,723,023	90,904	31,612,617
1919	Undif.	8,632,236	21,292,582	111,243	30,036,061
1920	Undif.	10,715,626	22,957,176	5,213,324	38,886,126
1921	Undif.	8,118,385	22,200,884		30,319,269
1922	Surf.	98,164			
1922	Undr.	13,165,026	28,058,420	440,000	41,761,610
1923	Surf.	261,189			
1923	Undr.	9,714,216	33,142,105	1,600,000	44,717,510
1924	Surf.	744,291			
1924	Undr.	7,382,193	35,252,248		43,378,732
1925	Surf.	1,020,188			
1925	Undr.	10,745,200	42,949,544		54,714,932
1926	Surf.	783,945			
1926	Undr.	15,524,031	47,322,979		63,630,955
1927	Surf.	1,146,448			
1927	Undr.	18,924,598	48,852,933		68,923,979
1928	Surf.	601,509	18,100		
1928	Undr.	15,346,991	45,670,645		61,637,245
1929	Undif.	14,100,791	46,304,737		60,405,528
1930	Surf.	309,454			
1930	Undr.	10,130,893	40,457,380	56,183	50,953,910

COAL PRODUCTION IN THE WESTERN KENTUCKY COAL FIELD, 1890-1930
(IN SHORT TONS)

Year	Type	Breckinridge	Butler	Caldwell	Christian	Crittenden	Daviess
1890	Undif.		1,787		26,940	2,516	7,371
1891	Undif.		11,547		33,635	2,232	16,620
1892	Undif.		18,954		32,769	3,914	23,551
1893	Undif.		22,465		35,671	160	15,887
1894	Undif.		19,982		38,836		10,353
1895	Undif.		24,501		22,159		12,898
1896	Undif.		28,444		13,124		3,232
1897	Undif.		30,512		36,326		3,549
1898	Undif.		32,699		66,496		7,141
1899	Undif.		33,435		65,699		8,617
1900	Undif.		30,788		82,663		10,872
1901	Undif.		17,763		73,220		17,364
1902	Undif.		10,105		86,453		9,437
1903	Undif.		2,187		99,226	1,500	31,419
1904	Undif.		8,229		91,943	291	24,467
1905	Undif.		6,008		92,747		29,168
1906	Undif.		11,736		79,141		46,777
1907	Undif.		8,388		61,833		68,217
1908	Undif.		4,968		33,191		52,658
1909	Undif.		9,281		42,749		45,115
1910	Undif.		3,476		49,494		66,017
1911	Undif.		1,598		34,351		73,233
1912	Undif.		1,408		60,139		77,161
1913	Undif.		675		65,120		61,988
1914	Undif.		2,016		51,853		42,009
1915	Undif.				55,247		33,075
1916	Undif.				102,068		40,811
1917	Undif.				60,719		57,839
1918	Undif.				85,259		86,552
1919	Undif.				150,463		68,103
1920	Undif.				67,137		27,616
1921	Undif.				178,280		86,801
1922	Surf.						
1922	Undr.				77,692		181,544
1923	Surf.						
1923	Undr.				79,183		102,011
1924	Surf.						
1924	Undr.				19,759		138,186
1925	Surf.						
1925	Undr.				92,720	25,448	156,454
1926	Surf.						
1926	Undr.				104,000	67,881	142,513
1927	Surf.						
1927	Undr.		5,356		195,090	15,210	169,449
1928	Surf.						
1928	Undr.		5,474		275,220	15,843	209,653
1929	Undif.		2,947		235,526		113,815
1930	Surf.						
1930	Undr.		7,676		193,832		77,452

WESTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Edmonson	Grayson	Hancock	Henderson	Hopkins	McLean
1890	Undif.			15,330	70,974	562,888	17,066
1891	Undif.			18,142	105,136	674,573	23,510
1892	Undif.			17,747	117,484	736,766	15,271
1893	Undif.			23,104	110,907	761,075	3,111
1894	Undif.			35,571	80,074	811,759	15,354
1895	Undif.			30,569	79,113	788,437	21,834
1896	Undif.			17,842	119,540	777,182	24,075
1897	Undif.			19,902	121,224	961,412	30,853
1898	Undif.			9,435	89,595	961,716	21,515
1899	Undif.			8,159	124,405	1,265,707	28,796
1900	Undif.			5,869	127,705	1,353,740	31,316
1901	Undif.			6,634	156,597	1,348,701	29,819
1902	Undif.			11,456	146,557	1,545,859	64,833
1903	Undif.			32,068	162,437	1,735,516	121,632
1904	Undif.			43,192	128,312	1,724,098	95,731
1905	Undif.			39,954	153,804	1,989,574	107,943
1906	Undif.			19,361	210,900	2,178,616	161,726
1907	Undif.			9,338	227,904	2,053,566	143,789
1908	Undif.				226,152	1,772,253	97,287
1909	Undif.				200,012	1,847,189	80,871
1910	Undif.			3,495	270,761	2,542,137	224,326
1911	Undif.			1,740	219,166	2,165,892	115,257
1912	Undif.				218,850	2,537,858	113,675
1913	Undif.			2,872	185,423	2,519,356	80,957
1914	Undif.			202	144,696	2,501,949	38,599
1915	Undif.				181,402	2,321,146	25,926
1916	Undif.			10,500	169,572	2,605,812	72,482
1917	Undif.			9,160	254,148	3,037,748	127,730
1918	Undif.			12,280	394,062	2,987,377	154,871
1919	Undif.			9,000	273,256	2,463,010	84,488
1920	Undif.			10,588	511,903	3,200,261	156,764
1921	Undif.			3,164	333,118	1,846,602	89,962
1922	Surf.					98,164	
1922	Undr.			12,353	818,089	2,940,102	190,184
1923	Surf.					243,795	17,394
1923	Undr.			6,800	334,250	1,980,063	90,445
1924	Surf.					741,331	2,960
1924	Undr.			9,700	401,860	2,548,503	18,485
1925	Surf.					1,020,188	
1925	Undr.			4,485	425,251	2,863,913	76,829
1926	Surf.					743,935	
1926	Undr.			6,650	435,185	4,730,443	100,534
1927	Surf.					963,903	
1927	Undr.			1,500	445,317	5,210,337	119,005
1928	Surf.					441,987	
1928	Undr.				335,676	4,364,804	25,147
1929	Undif.				267,257	3,975,203	168,254
1930	Surf.					45,540	
1930	Undr.				175,678	3,352,987	188,241

WESTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Muhlenberg	Ohio	Todd	Union	Warren	Webster
1890	Undif.	231,080	271,771		68,539		38,866
1891	Undif.	265,066	337,514		87,506		32,593
1892	Undif.	299,541	329,986		101,591		37,078
1893	Undif.	315,724	354,670		121,280		35,739
1894	Undif.	269,580	348,937		134,586		41,934
1895	Undif.	267,353	386,903		100,616		49,896
1896	Undif.	256,268	368,094		104,121		50,539
1897	Undif.	261,783	460,693		117,732		70,586
1898	Undif.	268,507	436,519		123,352		54,096
1899	Undif.	414,846	515,867		167,789		107,245
1900	Undif.	409,581	535,700		239,091		106,177
1901	Undif.	532,838	504,704		265,231		118,779
1902	Undif.	729,010	521,659		302,203		216,403
1903	Undif.	801,999	576,719		344,293		335,786
1904	Undif.	903,205	509,040		352,414		240,642
1905	Undif.	1,044,402	528,234		340,625		349,598
1906	Undif.	1,491,905	694,096		389,765		504,468
1907	Undif.	1,860,499	660,073		474,788		592,387
1908	Undif.	1,774,314	602,316		513,015		558,442
1909	Undif.	1,881,177	614,650		424,658		432,459
1910	Undif.	2,849,690	820,224		601,721		1,017,411
1911	Undif.	2,225,662	736,705		479,948		905,989
1912	Undif.	2,321,324	657,135		588,309		1,220,045
1913	Undif.	2,584,200	760,914		664,719		1,512,825
1914	Undif.	2,249,711	676,528		581,221		1,506,023
1915	Undif.	2,267,298	514,476		746,959		1,439,936
1916	Undif.	2,015,859	471,610		662,966		1,575,748
1917	Undif.	3,230,854	877,206		963,559		1,318,654
1918	Undif.	3,650,473	951,829		992,973		1,483,014
1919	Undif.	2,626,365	716,312		892,704		1,348,535
1920	Undif.	3,284,090	1,003,541		1,165,206		1,288,520
1921	Undif.	3,250,410	523,083		809,798		997,167
1922	Surf.						
1922	Undr.	4,312,335	1,207,619		1,365,290		2,059,818
1923	Surf.						
1923	Undr.	3,655,839	925,734		1,221,456		1,318,435
1924	Surf.						
1924	Undr.	1,297,581	216,659		1,049,196		1,682,264
1925	Surf.						
1925	Undr.	3,517,238	618,565		886,504		2,077,793
1926	Surf.	20,010	20,000				
1926	Undr.	5,070,451	1,073,740		1,222,406		2,570,228
1927	Surf.	160,177	22,368				
1927	Undr.	6,262,400	1,444,275		1,601,315		3,455,344
1928	Surf.	159,522					
1928	Undr.	5,209,774	966,745		1,186,723		2,751,932
1929	Undif.	4,929,816	929,183		893,762		2,585,028
1930	Surf.	263,914					
1930	Undr.	2,624,644	951,014		904,759		1,654,610

COAL PRODUCTION IN THE EASTERN KENTUCKY COAL FIELD, 1890-1930
(IN SHORT TONS)

Year	Type	Bath	Bell	Boyd	Breathitt	Carter	Clay
1890	Undif.		23,741	183,521	530	202,981	
1891	Undif.		32,771	178,297	10,802	168,135	1,200
1892	Undif.		16,528	162,557	13,089	156,919	2,400
1893	Undif.		67,596	153,313	7,830	132,509	1,800
1894	Undif.		63,022	111,659		85,266	
1895	Undif.		79,374	170,443		102,029	
1896	Undif.		89,534	121,022	2,406	136,066	
1897	Undif.		80,737	172,888	9,316	132,691	
1898	Undif.		86,892	138,695	17,983	114,836	
1899	Undif.		132,674	159,421	15,700	166,129	
1900	Undif.		204,954	165,703	16,416	215,826	
1901	Undif.		313,087	182,976	18,540	259,856	
1902	Undif.		379,929	249,731	25,365	285,079	
1903	Undif.		390,104	261,634	41,145	270,175	
1904	Undif.		514,576	94,506	30,731	234,421	
1905	Undif.		763,482	47,533	32,550	121,161	
1906	Undif.		969,993	50,897	29,270	164,020	
1907	Undif.		1,319,128	57,725	27,015	120,507	
1908	Undif.		1,434,742	79,763	24,043	78,509	
1909	Undif.		1,545,452	96,157	23,651	76,528	
1910	Undif.		2,068,900	98,745	23,429	66,116	
1911	Undif.		2,063,797	111,631	15,746	35,116	
1912	Undif.		2,191,303	97,388	17,071	84,149	
1913	Undif.		2,469,138	110,265	12,738	110,055	
1914	Undif.		2,433,201	88,318	34,297	83,471	
1915	Undif.		2,156,759	73,383	20,742	100,143	
1916	Undif.		2,237,250	72,439	12,825	130,436	
1917	Undif.		2,069,944	107,145	37,982	152,401	12,075
1918	Undif.		2,447,875	110,644	179,136	187,777	3,740
1919	Undif.		1,972,447	62,790	137,442	151,342	47,063
1920	Undif.		2,044,243	128,106	242,789	206,514	28,222
1921	Undif.		1,366,653	44,232	129,721	74,774	117,923
1922	Surf.						
1922	Undr.		1,847,178	104,361	242,933	156,185	184,315
1923	Surf.						
1923	Undr.		2,276,098	141,535	124,005	79,619	546,400
1924	Surf.						
1924	Undr.		1,859,055	125,142	138,722	62,685	220,897
1925	Surf.						
1925	Undr.		2,468,024	45,234	177,029	72,621	81,690
1926	Surf.						
1926	Undr.		2,669,528	37,627	205,574	85,112	125,205
1927	Surf.						
1927	Undr.		2,838,546	52,409	179,719	106,920	155,880
1928	Surf.						
1928	Undr.		2,472,002	65,544	205,747	48,040	65,316
1929	Undif.		2,362,295	100,594	201,575	39,930	98,626
1930	Surf.						
1930	Undr.		1,881,076	66,139	168,604	36,155	62,786

EASTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Clinton	Elliott	Estill	Floyd	Greenup	Harlan
1890	Undif.						
1891	Undif.					170	
1892	Undif.					2,831	
1893	Undif.					1,386	
1894	Undif.					1,573	
1895	Undif.					1,403	
1896	Undif.					854	
1897	Undif.						
1898	Undif.						
1899	Undif.						
1900	Undif.						
1901	Undif.						
1902	Undif.						
1903	Undif.						
1904	Undif.						
1905	Undif.						
1906	Undif.				6,320		
1907	Undif.				17,655		
1908	Undif.				52,857		
1909	Undif.				79,274		
1910	Undif.				147,548		
1911	Undif.				248,142		25,814
1912	Undif.				426,770		384,427
1913	Undif.				418,435		775,333
1914	Undif.				527,875		1,249,940
1915	Undif.				538,598		1,710,970
1916	Undif.				814,610		2,204,553
1917	Undif.				819,206		2,049,649
1918	Undif.				1,326,956		3,201,733
1919	Undif.				1,260,140		4,176,531
1920	Undif.				1,660,034		4,597,433
1921	Undif.				1,224,738		6,796,581
1922	Surf.						
1922	Undr.				2,398,057		6,158,152
1923	Surf.						
1923	Undr.				3,150,549		8,400,877
1924	Surf.						
1924	Undr.				3,701,437		9,076,269
1925	Surf.						
1925	Undr.				4,851,721		11,766,359
1926	Surf.						
1926	Undr.				5,165,817		13,377,382
1927	Surf.						
1927	Undr.				5,165,512		14,804,335
1928	Surf.						
1928	Undr.				4,842,063		15,205,973
1929	Undif.				4,499,185		15,050,367
1930	Surf.						
1930	Undr.				3,984,327		13,132,038

EASTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Jackson	Johnson	Knott	Knox	Laurel	Lawrence
1890	Undif.		28,805		80,105	241,596	75,564
1891	Undif.		21,069		111,071	304,870	90,922
1892	Undif.		27,450		105,980	251,069	84,785
1893	Undif.		24,859		160,286	285,982	93,776
1894	Undif.		16,902		72,858	261,177	86,497
1895	Undif.		10,679		185,735	233,638	55,913
1896	Undif.		6,762		217,040	288,494	47,474
1897	Undif.		4,005		164,883	294,075	61,226
1898	Undif.		10,964		285,322	272,919	55,251
1899	Undif.		11,381		244,091	314,994	49,418
1900	Undif.		15,635		311,698	361,639	55,566
1901	Undif.		39,034		291,286	331,800	53,003
1902	Undif.		59,407		465,986	384,580	54,298
1903	Undif.		69,024		540,404	363,296	63,654
1904	Undif.		26,229		584,095	319,932	67,709
1905	Undif.		53,745		579,514	408,762	43,889
1906	Undif.		98,193		664,576	383,972	45,019
1907	Undif.		131,649		709,579	314,221	30,213
1908	Undif.		154,459		520,089	212,585	24,751
1909	Undif.		206,326		630,026	211,628	70,767
1910	Undif.		466,901		661,823	266,314	102,948
1911	Undif.		800,416		773,310	245,422	52,416
1912	Undif.		911,087		831,484	200,885	66,838
1913	Undif.		841,356		912,589	218,936	65,286
1914	Undif.		940,340		822,348	164,503	65,309
1915	Undif.	4,418	950,453		769,650	110,311	52,704
1916	Undif.	9,397	1,061,481		771,685	77,321	10,612
1917	Undif.	13,999	959,958		690,246	225,359	38,272
1918	Undif.		791,241		669,437	129,027	47,066
1919	Undif.		824,229		583,128	74,478	17,450
1920	Undif.		772,286		573,600	9,444	35,251
1921	Undif.		713,347	34,023	426,480	86,065	36,510
1922	Surf.						
1922	Undr.		307,299	215,452	427,460	159,293	38,496
1923	Surf.						
1923	Undr.		693,409	342,599	572,324	52,845	6,727
1924	Surf.						
1924	Undr.		1,021,576	342,321	452,360	137,685	442
1925	Surf.						
1925	Undr.		1,173,040	472,255	368,026	158,913	105
1926	Surf.						
1926	Undr.		1,223,396	635,952	381,350	148,872	4,920
1927	Surf.						
1927	Undr.		1,219,185	661,750	463,771	159,774	4,325
1928	Surf.				18,100		
1928	Undr.		1,183,075	534,966	264,561	71,310	5,878
1929	Undif.		1,535,802	361,837	254,553	88,071	
1930	Surf.						
1930	Undr.		1,220,602	397,094	287,731	77,260	

EASTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Lee	Leslie	Letcher	Lewis	Madison	Magoffin
1890	Undif.						
1891	Undif.						
1892	Undif.						850
1893	Undif.	16,850					380
1894	Undif.	49,527					
1895	Undif.	43,313					
1896	Undif.	9,847					
1897	Undif.	12,925					
1898	Undif.	9,440					
1899	Undif.	6,947					
1900	Undif.	13,604					
1901	Undif.	15,151					
1902	Undif.	30,346					
1903	Undif.	39,150					
1904	Undif.	54,800					
1905	Undif.	96,580					
1906	Undif.	79,067					
1907	Undif.	69,864					
1908	Undif.	92,533					
1909	Undif.	87,801					
1910	Undif.	72,431					
1911	Undif.	48,408					
1912	Undif.	45,024		198,316			
1913	Undif.	22,759		1,180,273			
1914	Undif.	4,870		1,539,070			
1915	Undif.	1,051		2,380,304			
1916	Undif.	6,623		3,817,059			
1917	Undif.	26,074		3,627,102			
1918	Undif.	57,705		3,279,715			
1919	Undif.	65,536		3,053,686			
1920	Undif.	66,736		3,315,645			
1921	Undif.	8,420		2,505,970			
1922	Surf.						
1922	Undr.	99,600		3,414,719			
1923	Surf.						
1923	Undr.	30,033		4,405,622			12,164
1924	Surf.						
1924	Undr.	4,974		4,851,806			13,526
1925	Surf.						
1925	Undr.	5,900		5,989,957			114,706
1926	Surf.						
1926	Undr.	26,498		6,295,445			174,147
1927	Surf.						
1927	Undr.	39,000		6,479,771			222,808
1928	Surf.						
1928	Undr.			5,849,088			65,875
1929	Undif.	5,500		6,493,058			66,654
1930	Surf.						
1930	Undr.			6,110,945			17,304

EASTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Martin	McCreary	Menifee	Montgomery	Morgan	Owsley
1890	Undif.						
1891	Undif.			14,000			
1892	Undif.			4,260			
1893	Undif.			115			
1894	Undif.						
1895	Undif.						
1896	Undif.						
1897	Undif.						
1898	Undif.						
1899	Undif.						
1900	Undif.						
1901	Undif.					3,627	
1902	Undif.					40,679	
1903	Undif.					61,661	
1904	Undif.					59,509	
1905	Undif.					78,810	
1906	Undif.					53,306	
1907	Undif.					54,811	
1908	Undif.					62,290	
1909	Undif.					63,738	
1910	Undif.					74,195	
1911	Undif.					73,686	
1912	Undif.		543,244			85,198	
1913	Undif.		625,899			72,030	
1914	Undif.		584,320			72,046	
1915	Undif.		568,935			58,875	
1916	Undif.		672,750			47,727	
1917	Undif.		692,097			66,476	
1918	Undif.	56,091	734,894			63,332	
1919	Undif.	36,146	636,389			64,831	
1920	Undif.	30,295	780,405			180,697	
1921	Undif.	68,418	604,806			33,086	
1922	Surf.						
1922	Undr.	317,754	756,651			51,354	
1923	Surf.						
1923	Undr.	375,615	869,113			38,644	
1924	Surf.						
1924	Undr.	432,898	802,117			25,420	
1925	Surf.						
1925	Undr.	438,076	877,769			28,509	
1926	Surf.						
1926	Undr.	637,163	970,060			19,754	
1927	Surf.						
1927	Undr.	537,924	1,000,110			18,636	
1928	Surf.						
1928	Undr.	423,887	930,370			14,371	
1929	Undif.	347,328	1,010,454			19,571	
1930	Surf.						
1930	Undr.	346,497	832,571			16,887	

EASTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Perry	Pike	Powell	Pulaski	Rockcastle	Rowan
1890	Undif.			80	98,479	1,618	
1891	Undif.				113,616	9,749	
1892	Undif.				78,024	11,235	
1893	Undif.				90,991	9,005	
1894	Undif.				51,665	800	
1895	Undif.				81,188	4,475	
1896	Undif.				72,537		
1897	Undif.				49,519	9,493	
1898	Undif.				79,435	3,016	
1899	Undif.				102,289		
1900	Undif.				102,414		
1901	Undif.				134,338	5,271	
1902	Undif.				165,683		
1903	Undif.				193,027	14,125	
1904	Undif.		46,730		170,393	106,482	
1905	Undif.		103,362		183,164	85,195	
1906	Undif.		289,311		189,799	11,556	
1907	Undif.		530,562		139,334	6,524	
1908	Undif.		551,385		69,634		
1909	Undif.		669,622		57,231		
1910	Undif.		985,093		85,394		
1911	Undif.		1,131,326		71,029		
1912	Undif.	1,400	1,419,830				
1913	Undif.	25,632	2,140,757			1,720	
1914	Undif.	243,661	2,636,262			821	
1915	Undif.	546,244	2,798,646				
1916	Undif.	995,091	3,675,607				
1917	Undif.	1,616,557	3,860,919				
1918	Undif.	2,120,223	4,473,442				
1919	Undif.	2,712,043	4,784,899				
1920	Undif.	2,966,427	4,740,454				2,760
1921	Undif.	4,235,278	3,280,283				
1922	Surf.						
1922	Undr.	4,280,981	6,571,063				
1923	Surf.						
1923	Undr.	4,895,434	5,648,221				
1924	Surf.						
1924	Undr.	5,229,066	6,049,809				
1925	Surf.						
1925	Undr.	5,932,258	7,246,852				
1926	Surf.						
1926	Undr.	6,647,807	7,820,301				
1927	Surf.						
1927	Undr.	6,378,895	7,797,636				
1928	Surf.						
1928	Undr.	5,806,711	7,060,389				
1929	Undif.	5,760,881	7,513,823				
1930	Surf.						
1930	Undr.	5,325,910	6,065,840				

EASTERN KENTUCKY COAL FIELD, 1890-1930 (Continued)

Year	Type	Wayne	Whitley	Wolfe
1890	Undif.		280,378	
1891	Undif.		297,992	
1892	Undif.		374,671	
1893	Undif.		455,811	
1894	Undif.		349,282	
1895	Undif.		455,303	
1896	Undif.		428,981	
1897	Undif.		197,723	
1898	Undif.		396,310	
1899	Undif.		561,831	
1900	Undif.		623,729	
1901	Undif.		605,093	
1902	Undif.		644,022	
1903	Undif.		646,070	
1904	Undif.		735,646	
1905	Undif.		759,442	
1906	Undif.		774,739	
1907	Undif.		746,492	
1908	Undif.		813,541	
1909	Undif.		897,793	
1910	Undif.	1,185	1,170,237	
1911	Undif.	104,486	1,164,525	
1912	Undif.		1,031,486	
1913	Undif.		981,932	
1914	Undif.		882,691	
1915	Undif.		846,018	
1916	Undif.		947,783	
1917	Undif.		813,563	
1918	Undif.		842,989	
1919	Undif.		632,012	
1920	Undif.		575,835	
1921	Undif.		413,576	
1922	Surf.			
1922	Undr.		327,117	
1923	Surf.			
1923	Undr.		480,272	
1924	Surf.			
1924	Undr.		704,041	
1925	Surf.			
1925	Undr.		680,500	
1926	Surf.			
1926	Undr.		671,069	
1927	Surf.			
1927	Undr.		566,027	
1928	Surf.			
1928	Undr.		555,479	
1929	Undif.		494,633	
1930	Surf.			
1930	Undr.		427,614	

COAL PRODUCTION IN KENTUCKY, 1931-1950

ANNUAL PRODUCTION TOTALS, IN SHORT TONS

Year	Type	Western Kentucky Coal Field	Eastern Kentucky Coal Field	Est. Add. Production	Annual Grand Total
1931	Surf.	39,340			
1931	Undr.	8,303,009	32,107,150	63,201	40,512,700
1932	Surf.		108,126		
1932	Undr.	9,367,147	26,058,050		35,533,323
1933	Surf.		156,565		
1933	Undr.	8,019,979	28,856,950		37,033,494
1934	Surf.		155,849		
1934	Undr.	8,202,591	30,718,096	50,000	39,126,536
1935	Surf.		104,138		
1935	Undr.	8,598,407	32,643,361		41,345,906
1936	Surf.				
1936	Undr.	8,268,047	39,410,500		47,678,547
1937	Surf.	143,766			
1937	Undr.	8,213,545	38,813,140		47,170,451
1938	Surf.	556,651			
1938	Undr.	6,977,047	32,130,809		39,664,507
1939	Surf.	722,660			
1939	Undr.	7,256,866	34,331,469		42,310,995
1940	Surf.	840,489			
1940	Undr.	7,719,305	40,823,509		49,383,303
1941	Surf.	1,154,048			
1941	Undr.	10,334,479	42,657,286		54,145,813
1942	Surf.	1,229,053			
1942	Undr.	12,165,737	50,067,916		63,462,706
1943	Surf.	1,847,288			
1943	Undr.	13,428,029	48,874,870		64,150,187
1944	Surf.	5,130,184			
1944	Undr.	15,265,707	52,011,036		72,406,927
1945	Surf.	5,973,537	511,068		
1945	Undr.	14,991,766	48,759,660		70,236,031
1946	Surf.	6,267,743	634,483		
1946	Undr.	12,587,578	49,781,666		69,271,470
1947	Surf.	8,653,432	1,409,285		
1947	Undr.	13,969,175	64,663,635		88,695,527
1948	Surf.	10,682,581	1,650,042		
1948	Undr.	12,442,475	57,804,365		82,579,463
1949	Surf.	11,091,889	1,976,178		
1949	Undr.	14,514,194	46,415,415		73,997,676
1950	Surf.	11,130,774	2,782,443		
1950	Undr.	13,538,522	54,725,202		82,177,941

COAL PRODUCTION IN THE WESTERN KENTUCKY COAL FIELD, 1931-1950
(IN SHORT TONS)

Year	Type	Breckinridge	Butler	Caldwell	Christian	Crittenden	Daviess
1931	Surf.						
1931	Undr.		13,973		199,685		47,772
1932	Surf.						
1932	Undr.		32,047		194,040		87,306
1933	Surf.						
1933	Undr.		44,268		21,965	1,300	141,310
1934	Surf.						
1934	Undr.		57,952		31,020	1,631	146,241
1935	Surf.						
1935	Undr.		25,476		32,160	85	123,932
1936	Surf.						
1936	Undr.		24,223		90,411	800	112,076
1937	Surf.						
1937	Undr.		48,379		67,565		105,394
1938	Surf.						
1938	Undr.		3,790		54,519	250	79,479
1939	Surf.						
1939	Undr.		3,385		59,806		84,719
1940	Surf.						
1940	Undr.		15,587		41,201		131,004
1941	Surf.						
1941	Undr.		36,292		23,584		150,021
1942	Surf.						
1942	Undr.		54,226		71,547		187,546
1943	Surf.						
1943	Undr.		114,580		21,693		214,566
1944	Surf.						
1944	Undr.		168,985		12,500	10,400	323,024
1945	Surf.		60,000		1,193		129,000
1945	Undr.		219,888		26,500		410,386
1946	Surf.						
1946	Undr.		60,074		5,980		260,938
1947	Surf.		87,000				50,000
1947	Undr.		190,700		13,900	420	480,501
1948	Surf.		36,000			3,973	337,400
1948	Undr.		90,076		11,430		309,998
1949	Surf.		63,900				524,248
1949	Undr.		191,912		70,900		403,138
1950	Surf.		61,698		1,275	56,024	369,000
1950	Undr.		246,313		31,353	2,500	300,447

WESTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Edmonson	Grayson	Hancock	Henderson	Hopkins	McLean
1931	Surf.						
1931	Undr.				131,992	2,511,682	140,000
1932	Surf.						
1932	Undr.				135,602	2,541,001	13,750
1933	Surf.						
1933	Undr.			6,255	179,335	2,263,471	10,411
1934	Surf.						
1934	Undr.			2,480	172,028	2,499,093	39,690
1935	Surf.						
1935	Undr.			3,692	211,263	2,982,496	76,269
1936	Surf.						
1936	Undr.				155,626	3,742,092	7,119
1937	Surf.					143,766	
1937	Undr.				107,630	2,989,567	712
1938	Surf.					556,651	
1938	Undr.				107,106	2,703,340	
1939	Surf.					722,660	
1939	Undr.				103,224	2,867,742	7,523
1940	Surf.					840,489	
1940	Undr.	9,539		12,767	116,958	2,634,583	11,410
1941	Surf.					1,154,048	
1941	Undr.	8,922		20,506	103,132	3,565,407	10,057
1942	Surf.					1,229,053	
1942	Undr.	8,675		21,623	131,960	4,602,496	14,657
1943	Surf.					1,540,175	
1943	Undr.	2,528		21,884	160,116	5,274,818	29,935
1944	Surf.					3,963,016	
1944	Undr.	19,850		69,250	216,785	6,143,675	44,312
1945	Surf.					4,624,767	
1945	Undr.	31,500		78,300	293,200	5,562,522	82,210
1946	Surf.			77,250		4,332,572	
1946	Undr.	16,770		31,940	314,128	5,859,433	49,300
1947	Surf.			180,000		6,103,995	
1947	Undr.	18,250		46,280	248,658	5,682,725	174,950
1948	Surf.		9,211	180,000		6,720,615	26,420
1948	Undr.	11,120		49,845	264,296	6,222,900	98,387
1949	Surf.	5,000	402,977	198,278		5,993,323	
1949	Undr.	12,950		48,500	704,281	7,464,542	128,667
1950	Surf.	6,728	154,694	25,926		6,824,576	
1950	Undr.	23,000		205,236	585,997	6,740,030	89,644

WESTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Muhlenberg	Ohio	Todd	Union	Warren	Webster
1931	Surf.	39,340					
1931	Undr.	2,746,030	559,561		567,256		1,385,058
1932	Surf.						
1932	Undr.	3,268,153	814,663		678,144		1,602,441
1933	Surf.						
1933	Undr.	2,813,792	588,058		586,194		1,363,620
1934	Surf.						
1934	Undr.	2,912,708	514,888		579,211		1,245,649
1935	Surf.						
1935	Undr.	2,214,935	846,777		647,203		1,434,119
1936	Surf.						
1936	Undr.	1,431,557	175,470		688,218		1,840,455
1937	Surf.						
1937	Undr.	2,411,992	435,952		651,421		1,394,933
1938	Surf.						
1938	Undr.	1,969,285	211,120		549,821		1,298,337
1939	Surf.						
1939	Undr.	2,277,989	235,389		555,531		1,061,558
1940	Surf.						
1940	Undr.	2,970,143	140,152		688,063		947,898
1941	Surf.						
1941	Undr.	4,372,559	182,739		835,596		1,025,664
1942	Surf.						
1942	Undr.	5,090,137	277,428		714,053		991,389
1943	Surf.	187,068	93,064				
1943	Undr.	5,448,917	326,232		850,587		962,173
1944	Surf.	628,901	365,029				61,000
1944	Undr.	6,200,484	441,025		681,882		933,535
1945	Surf.	657,242	265,588				235,747
1945	Undr.	6,250,156	539,377		793,579		704,148
1946	Surf.	1,410,432	344,589				86,100
1946	Undr.	4,565,091	404,438		625,868		393,618
1947	Surf.	1,463,121	705,718				63,598
1947	Undr.	5,521,454	524,342		657,426		409,569
1948	Surf.	1,411,209	1,618,597				339,156
1948	Undr.	4,188,657	319,845		618,390		257,531
1949	Surf.	1,307,978	2,257,438		67,622		271,125
1949	Undr.	4,048,533	502,114		684,948		253,709
1950	Surf.	1,557,761	1,959,954		113,138		
1950	Undr.	4,179,601	269,629		625,413		240,359

COAL PRODUCTION IN THE EASTERN KENTUCKY COAL FIELD, 1931-1950
(IN SHORT TONS)

Year	Type	Bath	Bell	Boyd	Breathitt	Carter	Clay
1931	Surf.						
1931	Undr.		1,372,278	74,544	136,273	20,282	26,208
1932	Surf.		2,000				
1932	Undr.		1,148,611	55,232	144,718	21,066	10,777
1933	Surf.						21,121
1933	Undr.		1,347,836	81,799	75,562	38,058	25,171
1934	Surf.						
1934	Undr.		1,388,571	57,400	66,211	14,942	128,537
1935	Surf.						
1935	Undr.		1,247,243	37,294	65,130	21,559	48,205
1936	Surf.						
1936	Undr.		1,563,622	32,950	58,028	36,080	114,460
1937	Surf.						
1937	Undr.		1,973,570	50,568	51,060	10,537	124,230
1938	Surf.						
1938	Undr.		1,704,815	32,914	46,204	45,263	152,323
1939	Surf.						
1939	Undr.		1,691,818	30,482	41,325	62,850	165,167
1940	Surf.						
1940	Undr.		2,339,161	34,874	47,949	98,054	173,383
1941	Surf.						
1941	Undr.		2,750,916	76,648	57,487	147,174	307,318
1942	Surf.						
1942	Undr.		3,223,949	148,499	75,716	217,017	400,280
1943	Surf.						
1943	Undr.		3,154,483	71,834	54,668	180,980	310,800
1944	Surf.						
1944	Undr.		3,285,884	108,335	51,520	225,387	268,056
1945	Surf.						
1945	Undr.		3,620,826	68,677	59,080	165,337	294,377
1946	Surf.						25,000
1946	Undr.		2,994,776	630,619	75,572	212,486	352,050
1947	Surf.			339,454		111,295	10,425
1947	Undr.		3,349,554	346,700	270,272	735,092	373,740
1948	Surf.		83,059	182,911			103,210
1948	Undr.		3,005,165	348,314	173,768	502,395	473,469
1949	Surf.		8,800		289,619		63,250
1949	Undr.	1,473	1,978,792	368,157	684,426	678,741	570,344
1950	Surf.		214,625	215,330	617,099		141,538
1950	Undr.	1,580	2,376,743	298,758	884,703	573,583	708,744

EASTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Clinton	Elliott	Estill	Floyd	Greenup	Harlan
1931	Surf.						
1931	Undr.				3,052,372		9,911,080
1932	Surf.						
1932	Undr.				2,778,001		7,431,399
1933	Surf.						
1933	Undr.	2,840	625		3,164,077	15,912	9,218,847
1934	Surf.						
1934	Undr.	470	350		3,554,323	21,082	9,849,214
1935	Surf.						
1935	Undr.	203			3,667,407	10,798	12,360,502
1936	Surf.						
1936	Undr.		1,720		4,394,012	6,594	15,597,653
1937	Surf.						
1937	Undr.	309	1,424		4,185,180	6,439	14,356,491
1938	Surf.						
1938	Undr.	879	1,538		4,071,039	10,126	11,759,076
1939	Surf.						
1939	Undr.		3,145		4,494,209	7,129	12,443,576
1940	Surf.						
1940	Undr.		4,801		5,147,968	11,278	15,336,167
1941	Surf.						
1941	Undr.		6,836		5,475,647	13,570	14,616,319
1942	Surf.						
1942	Undr.	7,412	12,110		6,459,202	21,115	15,603,189
1943	Surf.						
1943	Undr.	10,029	4,465		6,778,729	12,425	13,555,908
1944	Surf.						
1944	Undr.	17,550	5,250		7,179,076	19,958	13,515,149
1945	Surf.						
1945	Undr.	26,400	7,150		6,576,218	20,845	11,781,442
1946	Surf.						
1946	Undr.	42,300	37,141		6,254,539	61,057	11,469,993
1947	Surf.						
1947	Undr.		43,254		8,341,654	110,142	12,024,074
1948	Surf.						173,176
1948	Undr.	81,040	60,219		6,734,525	94,052	11,214,090
1949	Surf.						9,873
1949	Undr.	67,563	127,836		5,111,059	160,396	8,382,557
1950	Surf.						2,888
1950	Undr.	147,735	138,999		6,202,614	137,902	10,428,755

EASTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Jackson	Johnson	Knott	Knox	Laurel	Lawrence
1931	Surf.						
1931	Undr.	5,942	859,393	621,642	347,186	6,918	
1932	Surf.						
1932	Undr.	16,810	711,083	620,106	336,876	17,635	1,515
1933	Surf.					1,575	
1933	Undr.	57,882	702,524	554,804	387,109	30,307	4,790
1934	Surf.						
1934	Undr.	31,295	889,211	355,934	458,375	35,663	3,736
1935	Surf.						
1935	Undr.	25,106	628,659	379,442	482,096	28,548	1,445
1936	Surf.						
1936	Undr.	147,049	806,166	370,812	574,021	21,463	3,317
1937	Surf.						
1937	Undr.	216,736	858,447	552,417	625,758	23,728	1,111
1938	Surf.						
1938	Undr.	206,979	743,885	182,214	533,726	44,316	2,299
1939	Surf.						
1939	Undr.	202,668	616,925	351,172	652,686	67,022	4,709
1940	Surf.						
1940	Undr.	244,629	831,181	477,628	665,151	108,962	7,474
1941	Surf.						
1941	Undr.	274,472	737,295	450,574	494,671	131,142	32,507
1942	Surf.						
1942	Undr.	329,219	695,345	688,757	738,578	248,622	55,125
1943	Surf.						
1943	Undr.	198,753	721,887	554,397	662,252	197,217	4,970
1944	Surf.						
1944	Undr.	147,200	850,734	819,380	764,651	334,465	6,206
1945	Surf.						
1945	Undr.	103,195	695,957	892,602	673,751	400,388	18,860
1946	Surf.					35,106	
1946	Undr.	109,337	797,559	1,057,167	530,583	381,883	16,818
1947	Surf.				102,000	259,716	
1947	Undr.	86,111	2,208,792	1,365,879	843,827	645,081	92,438
1948	Surf.	5,500		48,118	173,742	67,148	30,181
1948	Undr.	124,462	828,742	1,208,671	845,724	186,755	87,442
1949	Surf.	5,740		12,240		437,442	
1949	Undr.	231,472	802,181	1,408,639	739,493	185,199	66,521
1950	Surf.	70,207		37,833	32,588	149,667	
1950	Undr.	584,848	857,005	1,815,176	755,376	172,704	70,284

EASTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Lee	Leslie	Letcher	Lewis	Madison	Magoffin
1931	Surf.						
1931	Undr.			4,660,375			
1932	Surf.						
1932	Undr.	2,135		3,573,027			2,605
1933	Surf.						
1933	Undr.	9,474	840	3,991,832			22,688
1934	Surf.						
1934	Undr.	9,173	489	4,777,688			29,244
1935	Surf.						
1935	Undr.	11,210	360	4,376,382			34,131
1936	Surf.						
1936	Undr.	16,669	1,390	4,721,466			61,631
1937	Surf.						
1937	Undr.	9,086	1,750	4,517,295			72,150
1938	Surf.						
1938	Undr.	13,119	1,733	3,690,577			66,598
1939	Surf.						
1939	Undr.	15,182		3,753,230			81,198
1940	Surf.						
1940	Undr.	18,448	12,854	4,256,162		900	71,169
1941	Surf.						
1941	Undr.	28,022	36,535	4,485,347			63,082
1942	Surf.						
1942	Undr.	44,037	161,080	5,285,097			105,218
1943	Surf.						
1943	Undr.	19,043	192,500	5,409,022			106,921
1944	Surf.						
1944	Undr.	22,722	220,449	6,297,335			117,030
1945	Surf.			15,104			
1945	Undr.	29,590	293,972	5,970,149			123,743
1946	Surf.			30,168			
1946	Undr.	63,121	318,725	6,665,665	910		77,013
1947	Surf.		6,235	229,635			1,115
1947	Undr.	45,762	754,121	8,659,739	6,452		784,744
1948	Surf.			174,316			43,104
1948	Undr.	96,777	928,795	10,665,605			127,964
1949	Surf.		78,330	275,642			8,294
1949	Undr.	132,796	2,311,784	7,059,647		1,350	61,685
1950	Surf.	37,750		263,207		3,871	68,465
1950	Undr.	285,531	2,566,245	5,771,479		2,521	117,392

EASTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Martin	McCreary	Menifee	Montgomery	Morgan	Owsley
1931	Surf.						
1931	Undr.	281,699	645,604			10,878	
1932	Surf.						
1932	Undr.	244,499	546,234			8,912	
1933	Surf.						
1933	Undr.	236,151	586,394	735		3,271	
1934	Surf.						
1934	Undr.	226,469	622,203			585	
1935	Surf.						
1935	Undr.	226,214	412,776			535	365
1936	Surf.						
1936	Undr.	269,532	584,456			4,956	1,645
1937	Surf.						
1937	Undr.	260,864	702,357			3,719	1,891
1938	Surf.						
1938	Undr.	185,102	633,951			8,902	5,239
1939	Surf.						
1939	Undr.	204,604	815,867			8,300	4,603
1940	Surf.						
1940	Undr.	213,320	811,918			8,638	3,058
1941	Surf.						
1941	Undr.	381,920	792,182	14,154		8,405	2,708
1942	Surf.						
1942	Undr.	384,872	932,037	12,740		11,477	3,340
1943	Surf.						
1943	Undr.	440,215	919,297	7,420		12,020	1,555
1944	Surf.						
1944	Undr.	511,312	1,012,796	19,122		15,728	1,755
1945	Surf.						
1945	Undr.	449,707	946,211	22,800		21,625	2,150
1946	Surf.						
1946	Undr.	395,988	778,331	33,293		35,945	
1947	Surf.		12,780				
1947	Undr.	444,889	1,127,368	39,588	7,667	140,768	
1948	Surf.		74,000			52,048	
1948	Undr.	432,190	742,703	36,283		342,570	3,500
1949	Surf.		179,692			20,000	
1949	Undr.	245,637	539,951	500		116,445	12,678
1950	Surf.	3,000				394,235	
1950	Undr.	292,440	779,077	29,995		108,747	24,717

EASTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Perry	Pike	Powell	Pulaski	Rockcastle	Rowan
1931	Surf.						
1931	Undr.	5,100,837	4,645,840			838	
1932	Surf.						
1932	Undr.	4,327,803	3,949,414			3,049	
1933	Surf.						
1933	Undr.	3,857,822	4,270,445		11,724	9,445	
1934	Surf.						
1934	Undr.	3,371,612	4,663,790		2,939	20,028	
1935	Surf.						
1935	Undr.	3,653,772	4,660,011		4,626	6,850	
1936	Surf.						
1936	Undr.	4,470,270	5,194,934		11,099	16,450	
1937	Surf.						
1937	Undr.	4,347,235	5,535,999		29,197	16,830	
1938	Surf.						
1938	Undr.	3,640,409	4,076,128		30,496	14,194	
1939	Surf.						
1939	Undr.	4,089,829	4,246,930		24,852	16,350	
1940	Surf.						
1940	Undr.	4,643,877	4,818,545		43,660	29,909	
1941	Surf.						
1941	Undr.	5,482,037	5,299,250		71,594	19,542	
1942	Surf.						
1942	Undr.	6,277,076	7,316,820		141,266	22,502	2,100
1943	Surf.						
1943	Undr.	6,317,292	8,501,057		95,906	14,598	
1944	Surf.						
1944	Undr.	6,221,435	9,178,832		181,321	33,975	
1945	Surf.	182,303	313,661				
1945	Undr.	5,690,842	8,926,619		259,800	54,080	
1946	Surf.	201,346	342,863				
1946	Undr.	6,024,747	9,867,524		117,950	69,206	
1947	Surf.	206,705	66,519		7,400	7,000	
1947	Undr.	6,546,076	13,784,484		300,505	198,297	
1948	Surf.	138,474	257,859			10,000	
1948	Undr.	6,106,936	11,911,849		72,450	60,854	
1949	Surf.				205,798	198,719	
1949	Undr.	5,157,451	8,199,793		267,752	178,671	
1950	Surf.		46,241	18,774	147,463	97,100	
1950	Undr.	6,639,169	10,589,456	1,842	368,901	238,581	

EASTERN KENTUCKY COAL FIELD, 1931-1950 (Continued)

Year	Type	Wayne	Whitley	Wolfe
1931	Surf.			
1931	Undr.		326,961	
1932	Surf.		106,126	
1932	Undr.		105,948	595
1933	Surf.		133,869	
1933	Undr.	2,425	142,296	3,265
1934	Surf.		155,849	
1934	Undr.	4	136,074	2,484
1935	Surf.		104,138	
1935	Undr.	3,632	239,875	8,985
1936	Surf.			
1936	Undr.	1,566	318,036	8,453
1937	Surf.			
1937	Undr.		269,071	7,691
1938	Surf.			
1938	Undr.	425	219,836	6,504
1939	Surf.			
1939	Undr.	265	231,265	4,111
1940	Surf.			
1940	Undr.		350,983	11,408
1941	Surf.			
1941	Undr.		381,439	18,493
1942	Surf.			
1942	Undr.	2,730	432,182	9,207
1943	Surf.			
1943	Undr.	6,712	351,391	6,124
1944	Surf.			
1944	Undr.	18,230	554,255	5,938
1945	Surf.			
1945	Undr.	23,650	531,892	7,725
1946	Surf.			
1946	Undr.	25,740	283,628	
1947	Surf.		49,006	
1947	Undr.		950,755	35,810
1948	Surf.		33,196	
1948	Undr.	64,780	225,835	16,441
1949	Surf.		125,992	56,747
1949	Undr.	45,602	282,865	235,959
1950	Surf.	11,100	151,078	58,384
1950	Undr.	97,407	338,393	317,800

COAL PRODUCTION IN KENTUCKY, 1951-1975

ANNUAL PRODUCTION TOTALS, IN SHORT TONS

Year	Type	Western Kentucky Coal Field	Eastern Kentucky Coal Field	Est. Add. Production	Annual Grand Total
1951	Surf.	11,341,505	2,846,842		
1951	Undr.	10,206,019	49,493,900		73,888,266
1952	Surf.	8,387,350	2,162,768		
1952	Undr.	12,461,556	41,299,717	5,000,000	69,311,391
1953	Surf.	8,281,186	1,824,195		
1953	Undr.	12,922,441	40,507,685		63,535,507
1954	Surf.	9,494,209	2,068,735		
1954	Undr.	13,028,413	34,029,767	500,000	59,121,124
1955	Surf.	11,423,193	2,894,294		
1955	Undr.	14,872,883	39,760,374	526,500	69,477,244
1956	Surf.	14,530,404	4,381,286		
1956	Undr.	15,274,849	41,747,691		75,934,230
1957	Surf.	16,605,348	3,512,100		
1957	Undr.	13,759,733	41,898,755	158,294	75,934,230
1958	Surf.	16,466,113	3,840,649		
1958	Undr.	11,811,356	35,691,153		67,809,271
1959	Surf.	17,973,319	3,890,869		
1959	Undr.	12,363,753	30,762,397		64,990,338
1960	Surf.	17,592,001	4,684,438		
1960	Undr.	12,811,813	32,163,775		67,252,027
1961	Surf.	18,974,456	5,056,912		
1961	Undr.	11,634,743	29,729,114		65,395,225
1962	Surf.	20,014,975	6,390,836		
1962	Undr.	11,645,524	31,998,140		70,049,475
1963	Surf.	23,034,793	7,036,557		
1963	Undr.	12,683,820	35,427,233		78,182,403
1964	Surf.	25,460,033	7,630,482		
1964	Undr.	12,521,877	37,625,112		83,237,504
1965	Surf.	26,537,294	9,587,626		
1965	Undr.	13,341,646	37,740,473		87,207,039
1966	Surf.	27,077,778	9,711,238		
1966	Undr.	14,904,695	41,496,137		93,189,848
1967	Surf.	29,525,394	11,372,934		
1967	Undr.	16,088,621	43,119,501		100,106,450
1968	Surf.	28,325,046	11,394,328		
1968	Undr.	17,805,636	43,450,858		100,975,868
1969	Surf.	27,730,389	16,531,210		
1969	Undr.	19,834,278	43,929,483		108,025,360
1970	Surf.	33,281,946	28,527,422		
1970	Undr.	19,430,489	44,068,538		125,308,395
1971	Surf.	31,948,099	34,521,695		
1971	Undr.	15,876,941	36,820,846		119,167,581
1972	Surf.	33,764,267	29,952,569		
1972	Undr.	18,539,795	38,014,616		120,271,247
1973	Surf.	31,301,547	32,844,034		
1973	Undr.	22,262,253	41,099,486		127,507,320
1974	Surf.	28,953,301	43,795,830		
1974	Undr.	22,797,565	41,221,862		136,768,558
1975	Surf.	30,948,160	47,218,799		
1975	Undr.	24,757,456	41,280,096		144,204,511

COAL PRODUCTION IN THE WESTERN KENTUCKY COAL FIELD, 1951-1975
(IN SHORT TONS)

Year	Type	Breckinridge	Butler	Caldwell	Christian	Crittenden	Daviess
1951	Surf.		9,852		1,275	1,010	305,129
1951	Undr.		97,933		2,160		170,696
1952	Surf.						483,065
1952	Undr.		101,333				136,786
1953	Surf.		5,861		61,727	947	601,527
1953	Undr.		92,934				89,057
1954	Surf.		1,887		125,000		594,864
1954	Undr.		98,176				55,687
1955	Surf.		7,407		1,400		64,472
1955	Undr.		110,981				615,873
1956	Surf.		2,246		1,170		1,059,980
1956	Undr.		129,376				45,683
1957	Surf.		2,160		2,268		1,016,222
1957	Undr.		121,471				34,225
1958	Surf.		80,119		8,321		837,868
1958	Undr.		93,048				38,080
1959	Surf.		140,372	35,858	110,101		764,099
1959	Undr.		74,710				40,765
1960	Surf.		162,270	45,885	106,595		921,153
1960	Undr.		58,212		348,561		46,531
1961	Surf.		210,949				968,422
1961	Undr.		35,322				50,747
1962	Surf.		144,826		7,767		1,021,983
1962	Undr.		38,721				40,967
1963	Surf.		163,637				779,084
1963	Undr.		40,935				44,000
1964	Surf.		140,733				833,670
1964	Undr.		46,349				38,500
1965	Surf.		78,638	18,930		1,151	1,036,636
1965	Undr.		92,000		15,218		16,146
1966	Surf.		119,521	17,230		750	1,109,410
1966	Undr.		60,441		26,531		4,036
1967	Surf.		80,729				1,100,834
1967	Undr.		60,500				
1968	Surf.		119,889				1,045,141
1968	Undr.		41,000				
1969	Surf.		162,530				911,703
1969	Undr.		35,500				
1970	Surf.		179,542		90,983		803,724
1970	Undr.		48,417				
1971	Surf.		161,014		165,951		1,093,772
1971	Undr.		64,497				
1972	Surf.		133,135		80,468	80	1,012,394
1972	Undr.		71,131				
1973	Surf.		68,549		171,163		977,337
1973	Undr.		5,845				
1974	Surf.		201,065		214,933		982,328
1974	Undr.		52,412				
1975	Surf.		698,960		199,445		975,582
1975	Undr.		41,772				

WESTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Edmonson	Grayson	Hancock	Henderson	Hopkins	McLean
1951	Surf.		16,000	48,308		7,287,630	
1951	Undr.	2,260		680	402,331	5,009,790	25,291
1952	Surf.			60,000		4,756,554	
1952	Undr.				262,548	8,051,002	15,648
1953	Surf.					4,355,644	1,440
1953	Undr.				269,470	7,976,880	6,719
1954	Surf.			1,665		4,712,129	1,227
1954	Undr.		5,000	280	247,918	7,534,253	5,722
1955	Surf.		500	3,215		6,078,608	
1955	Undr.			150	226,677	8,353,468	4,078
1956	Surf.		400	2,980		6,179,242	615
1956	Undr.				281,212	8,855,823	1,596
1957	Surf.		1,125	48,901		6,476,830	1,220
1957	Undr.				272,862	7,507,124	610
1958	Surf.	1,795	1,886	24,395		5,025,865	1,350
1958	Undr.				235,241	6,762,096	1,000
1959	Surf.			118,511		4,635,169	1,790
1959	Undr.				277,791	6,754,110	1,800
1960	Surf.		2,373	3,152		4,431,607	58,197
1960	Undr.				311,209	6,968,302	667
1961	Surf.		3,040	800		3,811,752	78,642
1961	Undr.				235,974	6,568,050	200
1962	Surf.		1,600	3,330		3,397,304	73,763
1962	Undr.				275,847	6,600,291	210
1963	Surf.		300	26,126		3,607,973	56,654
1963	Undr.				144,229	7,233,418	12,000
1964	Surf.		175	3,759		3,413,311	18,498
1964	Undr.				155,295	6,450,595	
1965	Surf.			5,000		3,764,599	
1965	Undr.				157,652	5,956,037	
1966	Surf.					3,329,023	
1966	Undr.				157,495	6,474,356	
1967	Surf.					4,835,132	
1967	Undr.				215,768	7,305,250	
1968	Surf.					4,498,082	
1968	Undr.				194,950	6,838,142	
1969	Surf.					4,439,268	
1969	Undr.				117,960	7,588,911	
1970	Surf.					5,032,851	93,500
1970	Undr.				93,155	7,128,723	
1971	Surf.	390,094		73,000		5,224,321	474,353
1971	Undr.				69,187	6,255,825	
1972	Surf.	160,116		38,084		4,820,501	1,108,658
1972	Undr.				92,638	5,504,679	
1973	Surf.	95,862		200		4,039,519	1,309,335
1973	Undr.				524,175	5,779,555	
1974	Surf.	11,672		43,392		4,135,309	865,380
1974	Undr.				800,298	5,603,011	
1975	Surf.	34,555	40,292	261,088		4,341,026	855,790
1975	Undr.				1,180,016	5,448,431	

WESTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Muhlenberg	Ohio	Todd	Union	Warren	Webster
1951	Surf.	1,473,095	2,059,961				139,245
1951	Undr.	3,687,326	153,149		521,913		132,490
1952	Surf.	1,429,554	1,383,654				274,523
1952	Undr.	3,001,318	247,879		631,387		13,655
1953	Surf.	1,656,593	1,261,999				335,448
1953	Undr.	3,158,349	75,414		1,243,935		9,683
1954	Surf.	1,993,888	1,584,974				478,575
1954	Undr.	3,109,156	65,305		1,899,436		7,480
1955	Surf.	2,391,513	2,136,937				739,141
1955	Undr.	3,286,835	44,481		2,205,782		24,558
1956	Surf.	3,252,112	2,787,850		30,000		1,213,809
1956	Undr.	3,658,443	25,076		2,260,682		16,958
1957	Surf.	4,302,563	3,051,211		6,300		1,696,548
1957	Undr.	2,888,445	19,584		2,901,446		13,966
1958	Surf.	6,208,293	2,879,483		3,997		1,392,741
1958	Undr.	2,531,202	68,113		2,080,241		2,335
1959	Surf.	7,737,738	3,161,108		83,344		1,185,229
1959	Undr.	2,355,203	132,043		2,657,706		69,625
1960	Surf.	7,783,681	3,015,291		82,581		979,216
1960	Undr.	2,128,376	201,523		2,742,097		6,335
1961	Surf.	9,776,388	3,066,850				1,057,613
1961	Undr.	1,873,048	277,045		2,575,930		18,427
1962	Surf.	11,840,219	2,923,286				600,897
1962	Undr.	1,808,252	315,010		2,561,723		4,503
1963	Surf.	14,862,485	3,033,813		158,397		346,324
1963	Undr.	1,783,176	364,850		3,051,040		10,172
1964	Surf.	16,145,704	4,402,993		444,398		56,792
1964	Undr.	1,819,253	376,373		3,500,688		134,824
1965	Surf.	16,173,476	5,026,977		427,761		4,126
1965	Undr.	1,529,310	675,278		4,133,117		766,888
1966	Surf.	17,328,073	4,760,604		412,667		500
1966	Undr.	1,480,546	1,027,611		4,677,780		995,899
1967	Surf.	18,045,156	5,337,818		106,375		19,350
1967	Undr.	1,419,523	1,126,255		4,437,816		1,523,509
1968	Surf.	16,932,971	5,013,526				715,437
1968	Undr.	3,464,990	1,564,595		3,601,112		2,100,847
1969	Surf.	17,085,266	4,490,495				641,127
1969	Undr.	4,362,746	1,922,048		4,410,320		1,396,793
1970	Surf.	21,466,845	5,172,139				442,362
1970	Undr.	4,369,514	2,073,450		4,627,854		1,089,376
1971	Surf.	19,287,534	4,441,522				636,538
1971	Undr.	4,058,266	1,431,623		2,947,344		1,050,199
1972	Surf.	20,979,538	4,899,514				531,779
1972	Undr.	5,104,230	1,535,807		4,913,498		1,317,812
1973	Surf.	19,116,071	5,299,194				224,317
1973	Undr.	5,021,891	2,225,572		7,086,571		1,618,644
1974	Surf.	17,178,497	5,029,679				291,046
1974	Undr.	4,719,487	2,980,343		6,988,758		1,653,256
1975	Surf.	17,273,467	6,265,955				261,351
1975	Undr.	5,196,902	3,386,741		7,757,258		1,746,336

COAL PRODUCTION IN THE EASTERN KENTUCKY COAL FIELD, 1951-1975
(IN SHORT TONS)

Year	Type	Bath	Bell	Boyd	Breathitt	Carter	Clay
1951	Surf.		218,165	275,219	688,547		29,148
1951	Undr.		1,820,244	244,527	466,680	426,490	506,423
1952	Surf.		104,868	320,705	230,949	9,671	16,000
1952	Undr.		1,531,939	114,742	529,825	167,670	538,830
1953	Surf.		149,041	243,006	377,873		24,984
1953	Undr.		1,348,340	91,091	701,120	132,399	602,133
1954	Surf.		229,190	203,242	189,265	3,800	14,990
1954	Undr.		1,017,970	228,527	606,802	131,690	546,549
1955	Surf.		247,799	287,465			100,327
1955	Undr.		1,013,657	77,623	519,903	71,849	671,371
1956	Surf.		378,183	125,460	36,000	243,068	362,771
1956	Undr.		786,937	57,950	715,221	81,256	797,039
1957	Surf.		355,334	200,219	90,000	96,426	291,459
1957	Undr.		738,742	65,538	730,173	160,829	854,204
1958	Surf.		616,636	240,560	20,000	13,650	339,572
1958	Undr.		693,870	98,610	732,716	300,914	769,597
1959	Surf.		622,797	274,044		47,300	236,116
1959	Undr.		502,192	100,939	601,290	170,986	829,630
1960	Surf.		884,860			49,000	274,758
1960	Undr.		626,419	36,519	553,366	18,900	937,080
1961	Surf.		885,612	55,329	12,000	4,518	196,721
1961	Undr.		764,689	35,379	545,170	18,966	1,187,416
1962	Surf.		1,298,904	32,493	95,000		86,351
1962	Undr.		878,301	23,657	559,726	24,798	981,598
1963	Surf.		603,965	39,190	69,063		66,398
1963	Undr.		654,057	18,072	183,942	30,307	1,216,681
1964	Surf.		904,084		151,547	31,104	94,284
1964	Undr.		762,713	16,029	105,836	26,216	1,418,831
1965	Surf.		1,944,335	5,000	365,708	23,508	101,172
1965	Undr.		700,765	853	78,391	19,525	1,334,212
1966	Surf.		1,522,365		759,866	1,500	123,902
1966	Undr.		1,116,583	1,388	79,700	26,675	1,030,433
1967	Surf.		1,875,882	19,987	2,169,188	20,930	142,007
1967	Undr.		859,552	1,600	98,630		666,321
1968	Surf.		1,762,258		1,613,635		182,328
1968	Undr.		1,017,124	1,230	23,500	12,265	471,331
1969	Surf.		1,388,747	5,538	2,569,158	600	193,124
1969	Undr.		806,663	1,778	16,450	4,963	354,795
1970	Surf.		1,918,692	38,896	3,250,702	24,001	419,697
1970	Undr.		644,557	1,500	23,540	3,050	280,920
1971	Surf.		3,137,324	172,503	3,846,932	252,860	658,970
1971	Undr.		552,122	295	26,030	448	159,862
1972	Surf.		2,692,058	213,731	6,011,249	333,939	316,634
1972	Undr.		710,463	15	800		136,001
1973	Surf.		3,030,041	166,150	6,361,131	71,474	374,413
1973	Undr.		889,367	30		225	154,335
1974	Surf.		3,276,819	184,964	5,053,359	548,212	374,243
1974	Undr.		1,048,799		56,291	2,489	315,929
1975	Surf.		3,027,030	76,238	6,774,323	273,103	654,921
1975	Undr.		1,137,846		55,670	2,049	440,442

EASTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Clinton	Elliott	Estill	Floyd	Greenup	Harlan
1951	Surf.		266,361			110,485	156,479
1951	Undr.	62,000	114,220		6,364,825	125,743	10,565,811
1952	Surf.		116,280			195,050	14,618
1952	Undr.		56,860		5,288,420	50,942	9,671,462
1953	Surf.					35,900	81,294
1953	Undr.	20,144	17,945		5,385,976	6,543	9,826,100
1954	Surf.					35,000	59,019
1954	Undr.	56,749	16,763		4,357,606	21,168	8,825,516
1955	Surf.						161,158
1955	Undr.	57,423	18,760		5,417,103	12,310	9,275,815
1956	Surf.				2,385		115,219
1956	Undr.	34,479	17,885		5,136,372	2,059	9,342,706
1957	Surf.		10,800		2,100		367,130
1957	Undr.	24,069	14,528		5,220,661	8,983	8,907,502
1958	Surf.						336,545
1958	Undr.	36,343	15,992	500	4,272,393	5,020	7,685,562
1959	Surf.						463,983
1959	Undr.	22,642	12,406		3,740,018	10,160	5,734,418
1960	Surf.				23,925		743,249
1960	Undr.	38,869	17,031		4,279,239	2,580	6,261,310
1961	Surf.				122,029	245	664,751
1961	Undr.	20,362	15,157		3,716,028	3,254	5,255,315
1962	Surf.				48,991		608,496
1962	Undr.	7,621	14,975		3,771,543	352	5,389,777
1963	Surf.		520		59,020		363,764
1963	Undr.	4,400	15,025		4,321,340	3,000	5,692,154
1964	Surf.				75,492		1,216,671
1964	Undr.	14,041	14,152		4,428,549	265	5,355,862
1965	Surf.				380,290	2,198	1,170,075
1965	Undr.	11,500	10,702		4,554,457		5,425,032
1966	Surf.				558,019		669,048
1966	Undr.	13,400	1,620		4,916,587		6,232,658
1967	Surf.	2,250	4,503		86,600		728,112
1967	Undr.	12,990			4,985,794		6,425,317
1968	Surf.		8,100		377,809		773,806
1968	Undr.	15,775			4,223,935		7,135,466
1969	Surf.				650,629		909,040
1969	Undr.	9,275			3,874,705		7,138,960
1970	Surf.	155,020	300		1,129,919		1,619,638
1970	Undr.	13,172			4,352,624		7,282,862
1971	Surf.	479,013	10,987	100	2,002,137		1,885,238
1971	Undr.	36,721			2,502,229		6,844,084
1972	Surf.	62,310	54,140		1,774,702	45,266	1,947,156
1972	Undr.				2,523,580		7,407,522
1973	Surf.		175,661		1,952,800		1,290,609
1973	Undr.				2,381,487		9,225,547
1974	Surf.		678,152		2,480,371	179,180	2,021,059
1974	Undr.				2,812,476		8,196,074
1975	Surf.		476,039		2,025,642	178,377	1,812,776
1975	Undr.				2,540,033		9,119,131

EASTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Jackson	Johnson	Knott	Knox	Laurel	Lawrence
1951	Surf.	65,430			36,972	4,831	
1951	Undr.	440,811	846,319	1,617,598	502,582	124,957	117,986
1952	Surf.	720			1,734	10,737	47,070
1952	Undr.	265,597	497,220	822,927	245,862	134,990	43,273
1953	Surf.	13,850		3,487	31,270	81,195	21,340
1953	Undr.	169,984	459,050	780,170	165,741	83,384	35,183
1954	Surf.	500	16,593	23,960		59,950	
1954	Undr.	184,053	369,189	698,238	145,184	94,281	33,704
1955	Surf.	15,625		974	32,339	17,550	
1955	Undr.	182,896	517,630	974,120	137,996	57,342	31,206
1956	Surf.	18,000		9,460	177,655	97,355	
1956	Undr.	156,293	594,483	1,146,393	233,805	65,167	27,961
1957	Surf.	16,234		42,374	132,993	174,302	
1957	Undr.	173,945	454,055	1,413,201	187,250	57,700	23,760
1958	Surf.	42,000	1,750	87,335	90,536	188,808	
1958	Undr.	149,654	363,711	1,554,883	142,219	71,966	59,031
1959	Surf.	31,785	640	9,330	10,372	223,963	
1959	Undr.	200,835	277,783	1,137,885	135,585	98,416	43,435
1960	Surf.	35,153		165,207	54,260	32,702	16,436
1960	Undr.	94,192	264,534	1,192,589	209,071	77,345	12,377
1961	Surf.	23,658		655,630	148,517	6,000	4,455
1961	Undr.	50,878	194,268	1,427,670	132,255	39,559	9,069
1962	Surf.	33,300		692,364	129,974	123,631	6,083
1962	Undr.	34,964	181,178	1,371,587	211,694	25,248	11,088
1963	Surf.	48,795		879,556	198,915	149,398	10,000
1963	Undr.	15,309	248,392	1,589,597	232,642	28,530	12,018
1964	Surf.	36,196	143,969	390,929	54,800	160,187	2,100
1964	Undr.	9,945	237,213	1,502,619	238,428	23,317	7,898
1965	Surf.		2,050	731,455		104,500	
1965	Undr.	34,781	215,357	1,417,860	152,788	4,110	2,413
1966	Surf.		140,196	1,045,398	40,250		
1966	Undr.	32,963	206,329	1,995,143	172,784	16,800	
1967	Surf.		156,515	658,272	40,122		1,000
1967	Undr.	7,090	231,163	1,587,074	155,784	25,400	3,850
1968	Surf.	6,000	572,391	546,586	16,602		8,950
1968	Undr.	6,800	183,250	1,472,017	147,995	500	375
1969	Surf.		510,206	1,082,547	47,229		235,085
1969	Undr.	3,000	248,703	1,652,731	124,600	6,293	14,548
1970	Surf.	11,422	1,904,560	1,436,625	572,977	172,607	286,746
1970	Undr.	400	295,326	2,377,970	78,985	7,000	43
1971	Surf.	19,535	2,354,595	1,641,977	1,275,196	452,091	328,812
1971	Undr.		230,857	2,194,611	45,383		75
1972	Surf.	52,378	1,943,681	633,813	728,088	462,616	295,220
1972	Undr.		210,398	2,751,410	23,700		22,549
1973	Surf.	2,469	722,683	896,771	843,173	306,646	315,174
1973	Undr.		148,394	3,178,682	15,620		
1974	Surf.	53,250	1,265,549	1,253,836	1,459,576	951,185	1,176,592
1974	Undr.	500	140,233	3,319,367	39,158	76,269	11,792
1975	Surf.	512,711	1,263,503	1,079,375	1,834,048	1,400,378	794,450
1975	Undr.	2,049	150,421	2,894,287	47,934	137,430	

EASTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Lee	Leslie	Letcher	Lewis	Madison	Magoffin
1951	Surf.	25,400		110,241			128,141
1951	Undr.	279,517	2,403,282	4,590,910		2,600	7,472
1952	Surf.	18,100	21,873	185,852			229,177
1952	Undr.	154,450	2,160,204	4,402,871			15,222
1953	Surf.	9,150		150,482			45,850
1953	Undr.	117,100	2,407,848	4,676,648			6,400
1954	Surf.		5,250	52,875			34,318
1954	Undr.	140,985	2,141,242	4,514,985			2,366
1955	Surf.		58,470				98,218
1955	Undr.	120,750	2,283,594	5,314,749			5,313
1956	Surf.		99,200	5,816			
1956	Undr.	88,841	2,493,309	6,027,270			3,915
1957	Surf.	1,726	95,533	53,815			11,950
1957	Undr.	139,095	2,847,046	5,877,442			2,672
1958	Surf.	49,798	108,878	180,955			42,959
1958	Undr.	63,725	2,543,861	5,333,506			38,001
1959	Surf.		234,341	44,000			51,908
1959	Undr.	85,700	2,575,843	4,266,633			80,159
1960	Surf.		16,827	238,441			2,180
1960	Undr.	67,642	2,278,960	4,198,235			71,554
1961	Surf.		65,333	305,928			500
1961	Undr.	44,435	1,614,343	4,180,234			68,522
1962	Surf.			547,380			300
1962	Undr.	50,460	1,806,420	4,351,945			45,778
1963	Surf.		630,786	520,448			1,190
1963	Undr.	82,978	1,785,576	4,846,558			113,035
1964	Surf.		4,000	644,336			
1964	Undr.	115,486	1,598,364	5,437,775			101,773
1965	Surf.		8,000	927,017			
1965	Undr.	23,900	1,290,993	5,522,825			98,833
1966	Surf.		80,000	845,460			137,831
1966	Undr.	23,400	1,388,371	5,756,823			68,906
1967	Surf.	500	25,295	992,966			108,418
1967	Undr.	20,320	1,576,565	5,579,651			51,779
1968	Surf.	60	75,626	972,902			241,062
1968	Undr.	26,720	1,654,309	5,060,300			68,428
1969	Surf.	100	329,719	1,612,122			564,890
1969	Undr.	19,430	1,452,096	4,555,021			
1970	Surf.	125	948,386	3,143,403			711,177
1970	Undr.	27,035	1,294,276	4,247,230			3,100
1971	Surf.	10,784	768,279	2,685,377			860,852
1971	Undr.	20,418	1,143,196	3,431,164			
1972	Surf.		509,743	2,360,933			400,529
1972	Undr.	16,675	1,318,761	2,884,867			10,076
1973	Surf.		918,844	1,578,770			788,738
1973	Undr.	17,650	1,483,592	3,107,768			
1974	Surf.	225,109	1,376,058	1,900,614			1,343,418
1974	Undr.	20,300	1,674,673	3,570,958			
1975	Surf.	209,130	2,114,444	1,458,489			1,883,540
1975	Undr.	9,800	1,627,697	3,411,650			92,851

EASTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Martin	McCreary	Menifee	Montgomery	Morgan	Owsley
1951	Surf.		167,500			66,380	
1951	Undr.	155,639	685,282	11,150		148,860	14,050
1952	Surf.		54,450			77,571	4,358
1952	Undr.	91,631	430,372	381		99,924	13,726
1953	Surf.		69,133	1,135		21,064	
1953	Undr.	17,332	148,429	8,300		37,573	9,503
1954	Surf.		317,006			60,410	
1954	Undr.	9,947	249,646	12,368		71,303	16,433
1955	Surf.		441,617			81,072	
1955	Undr.	64,276	344,634	962		55,537	5,430
1956	Surf.		186,607			122,775	12,000
1956	Undr.	40,218	419,883	926		23,462	14,354
1957	Surf.		91,002			85,733	
1957	Undr.	38,947	390,620	992		48,860	1,585
1958	Surf.		84,584			40,963	
1958	Undr.	55,950	382,300	471		4,863	9,640
1959	Surf.	290	103,454			198,572	41,823
1959	Undr.	59,650	418,815	853		38,373	2,403
1960	Surf.		120,000			32,160	80,000
1960	Undr.	33,636	396,361	1,300		9,005	1,750
1961	Surf.		134,221			44,119	96,000
1961	Undr.	21,296	339,191			5,654	
1962	Surf.		127,709			39,612	
1962	Undr.	70,312	312,373			2,433	2,400
1963	Surf.					28,025	
1963	Undr.	135,403	334,243			9,252	4,175
1964	Surf.	4,000	1,500			29,508	
1964	Undr.	207,144	461,964			7,778	9,100
1965	Surf.	16,500				53,800	
1965	Undr.	353,232	475,441			7,526	3,500
1966	Surf.	6,060				28,990	
1966	Undr.	415,782	590,654			5,267	500
1967	Surf.	99,998	18,500			22,073	
1967	Undr.	697,650	539,628			5,000	265
1968	Surf.					14,360	
1968	Undr.	856,972	550,506			4,108	160
1969	Surf.	335,167	109,445			25,500	
1969	Undr.	911,976	408,237			2,233	55
1970	Surf.	875,608	118,981			18,125	
1970	Undr.	1,072,957	360,697			3,880	
1971	Surf.	937,669	132,939			448,933	28,000
1971	Undr.	1,110,468	575,349			466	
1972	Surf.	795,786	117,818			153,350	39,620
1972	Undr.	1,746,341	917,256				
1973	Surf.	3,509,013	145,946			129,636	223,733
1973	Undr.	2,674,021	892,690				
1974	Surf.	4,220,618	150,037			745,323	317,759
1974	Undr.	2,332,970	674,915	1,307			
1975	Surf.	4,617,507	261,015	6,962		1,137,325	309,309
1975	Undr.	2,262,964	705,743				2,400

EASTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Perry	Pike	Powell	Pulaski	Rockcastle	Rowan
1951	Surf.				180,130	89,529	
1951	Undr.	5,841,300	10,250,185		301,361	127,102	
1952	Surf.	170,995	32,352		20,625	22,200	2,790
1952	Undr.	4,858,690	8,418,050		256,406	158,280	19,801
1953	Surf.	27,932	14,085		114,669	42,555	
1953	Undr.	4,682,281	8,252,720		114,267	69,625	328
1954	Surf.	288,129	106,981		74,592	105,300	
1954	Undr.	3,709,286	5,376,337		249,775	97,496	
1955	Surf.	213,073	545,258		323,110	55,475	
1955	Undr.	4,541,811	7,568,013		170,449	81,130	
1956	Surf.	1,053,977	739,155		224,313	117,900	
1956	Undr.	4,589,710	8,445,150		181,335	34,120	
1957	Surf.	205,085	864,558		93,300	54,250	
1957	Undr.	5,099,958	7,843,417		92,132	33,190	
1958	Surf.	463,123	625,284		115,750	18,450	
1958	Undr.	4,177,111	5,652,195		124,996	43,563	
1959	Surf.	512,899	441,687		149,319	53,816	
1959	Undr.	3,552,347	5,673,260		91,914	57,389	
1960	Surf.	697,295	729,337		104,141	82,481	
1960	Undr.	3,748,543	6,377,584		97,793	51,094	
1961	Surf.	560,163	663,271		43,450	8,427	
1961	Undr.	2,880,086	6,873,224		50,029	5,250	
1962	Surf.	815,308	1,076,215		17,783	5,400	
1962	Undr.	2,723,092	8,897,048		25,047	2,620	
1963	Surf.	1,253,179	1,583,290		104,062	1,800	
1963	Undr.	2,408,272	11,095,340		31,752	3,860	
1964	Surf.	1,750,786	1,645,429		112,787		
1964	Undr.	2,100,051	12,813,719		56,316	3,143	
1965	Surf.	1,727,730	1,873,238		82,700		
1965	Undr.	2,376,015	12,992,324		163,622	1,610	
1966	Surf.	1,806,141	1,771,912		119,600		
1966	Undr.	2,922,099	13,988,557		179,048	1,000	
1967	Surf.	2,132,516	1,875,743		166,532		
1967	Undr.	2,672,876	16,352,485		237,610		
1968	Surf.	2,078,634	1,939,995		160,000		
1968	Undr.	2,310,516	17,484,661		328,312		
1969	Surf.	3,363,995	2,110,313		359,012	1,700	
1969	Undr.	2,698,101	19,210,049		195,050		
1970	Surf.	4,880,946	3,775,178		490,000	14,000	
1970	Undr.	3,057,306	18,354,688		85,400		
1971	Surf.	4,276,983	4,654,100		355,467	5,900	
1971	Undr.	2,878,576	14,852,119		5,920		
1972	Surf.	2,467,445	4,379,115		352,493	28,757	
1972	Undr.	2,486,602	14,675,701		19,740		
1973	Surf.	3,126,075	4,786,288		239,699	10,476	
1973	Undr.	2,508,146	14,161,380		65,847		
1974	Surf.	3,409,337	7,220,506		326,362	30,032	
1974	Undr.	2,128,315	14,447,794		127,602	1,518	
1975	Surf.	4,321,954	5,094,875		412,069	67,513	
1975	Undr.	2,007,619	14,237,554		51,000	8,000	

EASTERN KENTUCKY COAL FIELD, 1951-1975 (Continued)

Year	Type	Wayne	Whitley	Wolfe
1951	Surf.		219,951	7,933
1951	Undr.	46,904	246,883	34,187
1952	Surf.		251,563	2,460
1952	Undr.	44,821	204,359	9,970
1953	Surf.		259,645	5,255
1953	Undr.	32,917	91,076	10,035
1954	Surf.	27,450	157,933	2,982
1954	Undr.	13,754	80,670	9,185
1955	Surf.	60,514	152,197	2,053
1955	Undr.	35,240	120,752	10,730
1956	Surf.	55,400	196,490	2,097
1956	Undr.	7,470	171,862	9,860
1957	Surf.	16,988	157,369	1,420
1957	Undr.	25,989	409,536	12,134
1958	Surf.		132,513	
1958	Undr.	36,545	261,567	9,878
1959	Surf.		135,930	2,500
1959	Undr.	18,431	210,215	11,792
1960	Surf.		300,841	1,185
1960	Undr.	10,407	182,344	16,146
1961	Surf.		355,112	923
1961	Undr.	2,477	211,378	17,560
1962	Surf.		605,242	300
1962	Undr.	2,220	206,462	11,423
1963	Surf.		425,193	
1963	Undr.	3,530	296,936	10,857
1964	Surf.	50,000	126,773	
1964	Undr.	3,760	538,030	8,795
1965	Surf.	20,000	48,350	
1965	Undr.	1,384	461,132	5,390
1966	Surf.		54,700	
1966	Undr.	4,000	308,667	
1967	Surf.	10,025	15,000	
1967	Undr.		324,407	700
1968	Surf.	26,400	16,824	
1968	Undr.		394,203	100
1969	Surf.	65,380	61,964	
1969	Undr.		219,771	
1970	Surf.	47,895	551,504	10,292
1970	Undr.	5,000	195,020	
1971	Surf.	11,114	810,965	16,063
1971	Undr.		210,453	
1972	Surf.	12,833	767,166	
1972	Undr.		152,159	
1973	Surf.	71,067	806,554	
1973	Undr.		194,705	
1974	Surf.	40,726	1,519,642	13,942
1974	Undr.	5,764	216,369	
1975	Surf.	222,825	2,475,247	182,330
1975	Undr.	7,000	328,526	

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