

BITUMINOUS COAL HISTORICAL PROFILE

TABLE 18
BITUMINOUS COAL STATISTICAL SUMMARIES
1877 to 1998

Year	Production (Tons)	Surface Production ⁽¹⁾	Employees	Fatalities	Production Per Fatality	Fatalities Per 1000 Employees	Fatalities Per 1,000,000 Tons Produced	No. of Mine Inspectors
1877	1,305,932	-	16,627	13	100,456	0.78	9.95	3
1878	12,500,741	-	26,787	48	260,432	1.86	3.84	3
1879	14,341,369	-	27,286	55	242,570	2.01	3.84	3
1880	16,564,440	-	33,391	48	345,092	1.43	2.90	3
1881	15,916,123	-	35,530	57	279,230	1.80	3.58	4
1882	20,694,110	-	42,393	94	220,150	2.22	4.54	4
1883	18,729,817	-	35,091	54	346,848	1.54	2.88	6
1884	20,553,090	-	39,904	105	195,744	2.83	5.11	6
1885	23,413,692	-	44,145	83	282,092	1.88	3.54	8
1886	27,107,173	-	52,364	74	366,313	1.41	2.73	8
1887	29,966,855	-	57,868	84	356,748	1.45	2.80	8
1888	33,772,286	-	61,565	90	375,248	1.46	2.66	8
1889	34,625,054	-	62,084	105	329,762	1.69	3.03	8
1890	40,884,103	-	67,383	146	273,179	2.17	3.57	8
1891	41,805,642	-	74,135	237	176,395	3.20	5.67	8
1892	46,581,575	-	78,805	134	347,623	1.70	2.88	8
1893	43,421,898	-	81,872	131	334,015	1.60	3.02	10
1894	39,800,210	-	86,118	123	320,969	1.43	3.09	10
1895	51,818,112	-	84,976	156	332,167	1.84	3.01	10
1896	50,284,692	-	83,901	180	279,359	2.15	3.58	10
1897	54,625,272	-	86,553	150	364,168	1.73	2.75	10
1898	64,247,665	-	87,803	200	321,238	2.28	3.11	10
1899	73,066,945	-	91,505	258	283,205	2.82	3.53	10
1900	79,318,362	-	108,735	265	299,315	2.44	3.34	10
1901	80,914,236	-	117,501	301	268,818	2.56	3.72	12
1902	98,529,122	-	135,611	456	216,072	3.36	4.63	12
1903	103,713,982	-	151,745	402	257,995	2.65	3.88	15
1904	99,600,167	-	155,747	536	185,821	3.44	5.38	15
1905	119,361,514	-	164,941	479	249,189	2.90	4.01	16
1906	129,532,989	-	172,928	477	271,557	2.76	3.66	18
1907	149,559,047	-	183,121	806	185,557	4.40	5.39	20
1908	114,937,375	-	181,840	572	200,939	3.15	4.98	20
1909	136,205,695	-	185,921	506	269,181	2.72	3.71	21
1910	148,770,858	-	193,488	539	276,013	2.79	3.62	21
1911	142,189,329	-	182,653	515	276,096	2.82	3.62	25
1912	160,830,492	-	182,642	446	360,606	2.44	2.77	26
1913	172,965,659	-	189,909	611	283,086	3.22	3.53	28
1914	145,884,530	-	196,038	413	353,231	2.11	2.83	28
1915	157,420,068	-	187,734	442	356,154	2.35	2.81	30
1916	169,123,814	-	174,304	436	387,899	2.50	2.58	30
1917	171,074,411	-	186,586	494	346,304	2.65	2.89	30
1918	177,217,294	-	181,678	494	358,739	2.72	2.79	30
1919	147,065,781	-	180,831	401	366,797	2.22	2.73	30
1920	166,929,002	-	184,168	424	393,700	2.30	2.54	30
1921	114,447,134	-	200,419	284	402,983	1.42	2.48	30

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TABLE 18 (Continued)
BITUMINOUS COAL STATISTICAL SUMMARIES
1877 to 1998

Year	Production (Tons)	Surface Production ⁽¹⁾	Employees	Fatalities	Production Per Fatality	Fatalities Per 1000 Employees	Fatalities Per 1,000,000 Tons Produced	No. of Mine Inspectors
1922	108,310,046	-	194,630	424	255,448	2.18	3.91	30
1923	169,181,137	-	200,538	401	421,898	2.00	2.37	30
1924	128,751,028	-	174,469	345	373,191	1.98	2.68	30
1925	135,266,612	-	165,586	312	433,547	1.88	2.31	30
1926	151,746,464	-	164,782	421	360,443	2.55	2.77	30
1927	131,644,922	-	158,204	355	370,831	2.24	2.70	30
1928	129,846,153	-	137,944	508	255,603	3.68	3.91	30
1929	142,351,359	-	135,272	378	376,591	2.79	2.66	30
1930	123,417,850	-	133,703	296	416,952	2.21	2.40	30
1931	96,844,250	-	119,265	208	465,597	1.74	2.15	30
1932	74,162,485	-	106,597	155	478,468	1.45	2.09	30
1933	78,511,846	-	116,917	135	581,569	1.15	1.72	26
1934	89,592,481	-	127,868	157	570,653	1.23	1.75	26
1935	91,140,273	-	129,346	161	566,089	1.24	1.77	26
1936	108,964,865	-	133,914	190	573,499	1.42	1.74	26
1937	110,417,947	-	133,487	186	593,645	1.39	1.68	25
1938	76,881,944	-	115,347	119	646,067	1.03	1.55	25
1939	89,397,222	2,792,966	117,959	120	744,977	1.02	1.34	25
1940	111,416,916	2,808,607	117,832	188	592,643	1.60	1.69	25
1941	127,469,207	6,479,207	124,941	166	767,887	1.33	1.30	23
1942	142,759,573	10,303,160	115,451	187	763,420	1.62	1.31	27
1943	139,801,363	17,177,054	105,903	178	785,401	1.68	1.27	26
1944	144,408,418	22,211,661	99,942	164	880,539	1.64	1.14	25
1945	130,696,854	26,675,095	98,784	141	926,928	1.43	1.08	27
1946	123,587,965	31,027,425	103,894	126	965,524	1.23	1.04	27
1947	144,761,964	35,946,734	109,202	134	1,080,313	1.23	0.93	27
1948	130,627,789	33,483,099	110,326	114	1,145,826	1.03	0.87	27
1949	87,351,892	21,326,389	100,119	85	1,343,875	0.65	0.74	29
1950	103,439,887	25,460,343	94,514	83	1,246,264	0.88	0.80	29
1951	106,680,097	22,688,543	86,369	70	1,524,011	0.81	0.66	28
1952	87,308,999	19,462,488	76,676	63	1,385,857	0.82	0.72	30
1953	91,938,156	19,538,037	69,126	67	1,372,211	0.97	0.73	30
1954	70,823,985	16,954,885	55,405	44	1,609,636	0.79	0.62	29
1955 ⁽²⁾	85,042,677	19,212,869	52,103	50	1,700,854	0.96	0.59	27
1956	88,595,658	21,694,916	50,529	51	1,737,170	1.01	0.58	26
1957	84,064,493	20,558,733	46,989	53	1,586,123	1.13	0.63	30
1958	67,398,564	19,548,293	41,309	32	2,106,205	0.77	0.47	31
1959	65,627,585	20,506,999	37,337	35	1,875,074	0.94	0.53	31
1960	65,595,999	21,028,887	33,396	26	2,522,923	0.78	0.40	29
1961	63,171,313	20,892,758	29,633	22	2,871,423	0.74	0.35	26
1962	65,648,015	22,235,984	27,264	59	1,112,678	2.16	0.90	28
1963	71,268,957	24,233,668	26,216	21	3,393,284	0.80	0.29	30
1964	77,321,793	24,019,760	26,008	18	4,295,655	0.69	0.23	30
1965	80,119,548	23,681,102	25,206	33	2,427,865	1.31	0.41	32
1966	81,449,647	24,701,150	24,729	28	2,908,916	1.13	0.34	33

B I T U M I N O U S

TABLE 18 (Continued)
BITUMINOUS COAL STATISTICAL SUMMARIES
1877 to 1998

Year	Production (Tons)	Surface Production ⁽¹⁾	Employees	Fatalities	Production Per Fatality	Fatalities Per 1000 Employees	Fatalities Per 1,000,000 Tons Produced	No. of Mine Inspectors
1967	79,101,385	21,729,033	23,811	27	2,929,681	1.13	0.34	33
1968	75,714,811	20,512,477	23,117	29	2,610,849	1.25	0.38	33
1969	78,185,036	21,652,731	22,969	25	3,127,401	1.09	0.32	33
1970	80,091,922	24,161,015	24,667	30	2,669,731	1.21	0.37	42
1971	71,776,681	26,861,508	26,549	32	2,243,021	1.21	0.45	42
1972	75,863,137	25,717,040	25,627	19	3,992,797	0.74	0.25	45
1973	76,796,661	29,326,629	26,722	17	4,517,450	0.64	0.22	45
1974	80,042,191	36,056,422	29,108	20	4,002,109	0.68	0.24	45
1975	84,479,031	37,577,930	34,170	17	4,969,354	0.49	0.20	45
1976	85,747,874	40,242,401	36,240	19	4,513,046	0.52	0.22	49
1977	86,421,876	46,605,297	38,307	12	7,201,823	0.31	0.14	51
1978	80,342,913	46,552,420	39,230	7	11,477,559	0.18	0.09	55
1979	89,168,894	45,116,917	37,051	13	6,858,992	0.35	0.14	55
1980	87,068,738	43,447,368	35,071	13	6,697,595	0.37	0.15	55
1981	78,062,676	43,542,877	32,229	13	6,006,360	0.40	0.17	64
1982	74,755,461	37,821,238	26,819	5	14,951,092	0.19	0.07	81
1983	68,732,731	31,147,516	23,872	12	5,727,728	0.50	0.17	81
1984	73,806,213	35,907,980	22,677	8	9,225,777	0.35	0.11	81
1985	65,534,892	29,170,139	19,661	4	16,383,723	0.20	0.06	81
1986	69,452,755	30,896,059	19,493	5	13,890,551	0.26	0.07	81
1987 ⁽³⁾	66,864,202	28,523,928	16,936	6	11,144,033	0.35	0.09	81
1988	67,552,570	27,310,555	15,175	2	33,766,285	0.13	0.02	81
1989	68,350,235	28,079,333	13,644	2	34,175,117	0.15	0.03	81
1990	67,947,083	27,066,611	14,083	4	16,986,770	0.28	0.06	81
1991	62,801,667	21,218,805	12,610	2	31,400,833	0.16	0.03	81
1992	66,759,376	21,742,972	12,195	2	33,379,688	0.16	0.03	81
1993	57,903,913	20,051,642	10,336	3	19,301,304	0.29	0.05	81
1994	57,977,792	17,759,263	9,219	3	19,325,931	0.32	0.05	81
1995	60,834,057	15,689,619	7,986	4	15,208,514	0.50	0.07	81
1996	68,973,910	17,464,716	7,434	3	22,991,303	0.40	0.04	81
1997	73,491,175	18,147,133	7,885	4	18,372,763	0.50	0.05	81
1998	79,544,949	18,260,446	7,969	0		0	0	75

(1) Included in total

(2) In 1955, and subsequent years, the production, employees and fatalities of deep mines employing fewer than five (5) persons inside are included in the Division totals.

(3) Beginning with 1987, stripping production included auger and refuse production.

**TABLE 19
BITUMINOUS PRODUCTION OF COAL, EMPLOYES, FATALITIES AND NUMBER OF MINES BY COUNTY**

County	Deep Production	Surface Production	Auger Production	Refuse Production	TOTAL PRODUCTION (Tons)	Deep Employees	Surface Employees	Auger Employees	Refuse Employees	Tipple & Preparation Plant Employees	TOTAL EMPLOYEES	Fatal Accidents	Production Per Fatality	No. of Non-Fatal Accidents	No. of Deep, Surface & Auger Mines	No. of Refuse Piles	Total No. of Tipple & Preparation Plants
Allegheny		251,732		145,636	397,368		92		10		102			1	8	3	
Armstrong	5,411,287	1,263,439	56,863		6,731,589	572	133	6		87	798			49	45		4
Beaver	1,872	102,681			104,553	23	23				46			2	7		
Blair		32,699			32,699		19				19				2		
Butler		369,574			369,574		47				47			1	11		
Cambria	14,099	1,478,278	52,336	727,642	2,272,355		263	9	23		295			8	35	7	
Centre		598,049			598,049		75				75			4	4		
Clarion		585,337			585,337		51				51			1	13		
Clearfield	179,652	3,904,324	34,066		4,118,042	36	651	12			699			15	113		
Elk		675,305			675,305		75				75			2	17		
Fayette		647,445		490,315	1,137,760		81		10		91			1	23	5	
Greene	38,220,605	57,962	10,898		38,289,465	2,032	7			269	2,308			108	13		1
Indiana	4,515,980	926,473	15,546		5,457,999	960	133	6		14	1,113			104	44		1
Jefferson	674,339	880,440	18,224		1,573,003	106	200				306			37	51		
Lawrence		46,316			46,316		3				3				1		
Lycoming		313,677			313,677		33				33				2		
Mercer		2,641			2,641		3				3				1		
Somerset	2,480,388	3,459,854		117,042	6,067,284	336	381		4		721			33	68	2	
Venango		47,967			47,967		3				3				2		
Washington	9,786,281	405,926		15,612	10,207,819	923	108		7	38	1,076			212	12	2	1
Westmoreland		526,147			526,147		105				105			1	27		
REGION TOTAL	61,284,503	16,676,266	187,933	1,496,247	79,544,949	4,988	2,486	33	64	408	7,969			579	489	19	7

TABLE 20
BITUMINOUS MINES - SUMMARY BY DISTRICT/COUNTY

Deep Mine by District No./ Surface Mine by County	No. of Operators*	No. of Deep Mines	No. of Surface Mines	No. of Surface Mines Where Auger Mining Occurs	No. of Refuse Operations	No. of Tipples Preparation Plants	Total No. of Operations	No. of Gaseous Mines	No. of Non-Gaseous Mines
1	2	2				1	3		2
2	2	2					2		2
3	2	2					2		2
4	4	4					4		4
5	1	1				1	2		1
6	2	2					2		2
7	3	5				1	6	1	4
8	3	5				1	6	1	4
9	4	5				1	6	3	2
10	1	2				1	3		2
11	2	3					3	3	
12	3	6					6		6
13	4	4				1	5	3	1
14	6	6					6	2	4
15	2	4					4		4
Allegheny	5		8		3		11		
Armstrong	20		34	7			34		
Beaver	1		6				6		
Blair	1		2				2		
Butler	10		11				11		
Cambria	17		34	6	7		41		
Centre	3		4				4		
Clarion	7		13				13		
Clearfield	40		111	4			111		
Eik	4		17				17		
Fayette	18		23		5		28		
Greene	3		3	1			3		
Indiana	22		31	4			31		
Jefferson	24		47	3			47		
Lawrence	1		1				1		
Lycoming	1		2				2		
Mercer	1		1				1		
Somerset	29		60		2		62		
Venango	2		2				2		
Washington	6		9		2		11		
Westmoreland	10		27				27		
REGION TOTAL	225	53	446	25	19	7	525	15	38

* Due to some companies operating in more than one district/county, this figure does not represent the actual number of total coal mine operators.

**TABLE 21
BITUMINOUS DEEP MINE OPERATORS
PRODUCING MORE THAN 200,000 TONS OF COAL**

	Company	Total Production (Tons)	Employees	Inspection District
1	Consol Pa Coal Co.	17,142,474	773	2
2	Cyprus Cumberland Resources Co.	7,740,021	530	1
3	Cyprus Emerald Resources Corp.	7,397,395	270	1
4	Eighty Four Mining Co.	5,838,114	257	5
5	Consolidation Coal Co.	5,330,425	339	4
6	Maple Creek Mining, Inc.	2,963,493	458	6
7	Canterbury Coal Co.	2,200,000	149	7
8	Keystone Coal Mining Corp.	1,977,026	531	8,10
9	Helvetia Coal Co.	1,667,493	322	11
10	Roxcoal, Inc.	1,406,271	161	15
11	Rosebud Mining Co	1,266,179	82	7,8
12	Mon View Mining Corp.	984,674	208	6
13	TJS Mining Inc.	796,453	83	9
14	Doverspike Bros Coal Co.	674,339	99	12
15	Tanoma Coal Co., Inc.	530,401	185	13
16	DLR Mining Inc.	451,885	39	7
17	Solar Fuel Co., Inc.	410,686	57	14
18	Penncoal Inc.	378,704	67	15
19	Dunkard Mining Co.	375,251	37	3
20	GM & S Coal Corp.	203,314	25	14
	Subtotal	59,933,598	4,672	
	Total For All Operators	61,284,503	4,988	
	Percentage	98	94	

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**TABLE 22
BITUMINOUS SURFACE MINE
OPERATORS PRODUCING MORE THAN 200,000 TONS
OF SURFACE, AUGER AND REFUSE COAL**

	Company	Total Production (Tons)	Employees	County
1	PBS Coals, Inc.	1,284,772	72	Somerset
2	MB Energy, Inc.	1,023,319	83	Armstrong, Cambria, Clearfield, Jefferson, Indiana and Westmoreland
3	Amerikohl Mining, Inc.	928,800	108	Allegheny, Armstrong, Beaver, Butler, Fayette and Westmoreland
4	AL Hamilton Contracting Co.	842,904	96	Clearfield
5	Cooney Brothers Coal Co.	797,491	144	Blair, Cambria and Somerset
6	Power Operating Co., Inc.	581,116	58	Centre and Clearfield
7	Sky Haven Coal, Inc.	562,603	75	Cambria, Clearfield and Jefferson
8	River Hill Coal Co., Inc..	561,780	69	Clearfield
9	EP Bender Coal Co., Inc.	543,157	61	Cambria and Clearfield
10	Twilight Ind. Div. US Natural Resources	489,983	33	Fayette and Washington
11	Future Industries, Inc.	443,675	26	Somerset
12	Energy Resources, Inc.	389,183	34	Elk
13	C & K Coal Co.	332,212	18	Clarion
14	M & Y Services, Inc.	328,295	8	Fayette
15	Fisher Mining Co.	313,677	33	Lycoming
16	Hoffman Mining, Inc.	298,112	31	Somerset
17	Action Mining, Inc.	277,565	21	Somerset
18	Thomas J. Smith, Inc.	265,371	17	Armstrong
19	K & J Coal Co., Inc.	260,770	130	Cambria and Clearfield
20	Ebensburg Power Co.	252,889	7	Cambria
21	Senate Coal Mines, Inc.	244,643	28	Elk and Somerset
22	State Industries, Inc.	241,809	30	Armstrong and Butler
23	Hepburnia Coal Co., Inc.	239,031	31	Clearfield and Jefferson
24	RNS Services, Inc.	233,555	5	Cambria
25	Robinson Coal Co.	215,521	130	Allegheny and Washington
26	P & N Coal Co., Inc.	214,526	36	Indiana and Jefferson
27	Marquise Mining Corp.	206,447	24	Armstrong and Somerset
28	Maple Coal Co.	202,662	5	Cambria
	Subtotal	12,555,868	1,413	
	Total For All Operators	18,260,446	2,519	
	Percentage	69	56	