

**BITUMINOUS COAL
HISTORICAL PROFILE**

TABLE 11
BITUMINOUS COAL STATISTICAL SUMMARIES
1877 to 1997

Year	Production (Net 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	-	25,787	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	346,092	1.43	2.90	3
1881	15,916,123	-	35,530	57	279,230	1.60	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	2.63	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	358,748	1.45	2.80	8
1888	33,772,286	-	61,565	90	375,246	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	-	83,801	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	5.36	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	3.68	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	283,066	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	147,085,781	-	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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Year	Production (Net 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	98,764	141	926,928	1.43	1.08	27
1946	123,587,065	31,027,425	103,894	128	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	1,145,857	1.03	0.87	27
1949	87,351,892	21,326,389	100,119	65	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	19,462,498	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	16,954,895	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	20,556,733	46,989	53	1,586,123	1.13	0.63	30
1958	87,398,564	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	71,258,957	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	23,661,102	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

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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	75,883,137	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	89,166,894	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	78,082,678	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	16,988,770	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	17,759,283	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	7,985	4	18,372,793	0.50	0.05	81

(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 12
BITUMINOUS COAL REGION
PRODUCTION OF COAL, EMPLOYEES, FATALS AND NUMBER OF MINES BY COUNTY
PENNSYLVANIA 1997 ANNUAL

County	Deep Production	Surface Production	Auger Production	Refuse Production	(Net Tons) Total Production	Deep Employees	Surface Employees	Auger Employees	Refuse Employees	Tipple & Preparation Plant Employees	Total Employees	Fatal Accidents	Production Per Fatal	No. of Nonfatal Accidents	No. of Deep, Surface & Auger Mines	No. of Refuse Piles	Total No. of Tipple & Preparation Plants
Armstrong	5,065,583	1,417,118	109,690	40,874	6,633,265	552	134	12	5	67	770				58	1	3
Beaver		102,684			102,684		33				33				6		
Bedford																	
Blair		46,643			46,643		28				28				3		
Butler		151,800			151,800		16				16				5		
Cambria	106,070	1,398,235	42,473	374,489	1,921,267	38	201	14	12		265			8	49	3	
Centre		315,017			315,017		49				49			3	3		
Clarion		605,854			605,854		25				25			1	10		
Clearfield	180,431	4,239,598	25,780	58,886	4,504,695	26	524	10	7		567			29	133	1	
Clinton																	
Elk		427,321			427,321		35				35				7		
Fayette		602,307		305,420	907,727		106		14		120			1	27	2	
Fulton																	
Greene	34,067,061	49,212			34,116,273	2,052	15			215	2,282	1	34,116,273	102	16		3
Huntingdon																	
Indiana	3,934,643	867,424	19,270		4,821,337	905	130	4		31	1,070			137	47		2
Jefferson	613,650	774,758	858		1,389,266	112	127	1			240			19	31		
Lawrence		9,662			9,662		2				2				1		
Lycoming		386,520			386,520		32				32				2		
Mercer							1				1				1		
Somerset	2,631,492	3,490,672	2,087	131,740	6,255,991	389	425	5	5		824	1	6,255,991	47	79	1	
Tioga																	
Venango																	
Washington	8,745,112	458,167		13,544	9,216,823	1,260	73			127	1,469	2	4,608,115	249	16	2	3
Westmoreland		858,586			858,586		108				108			5	21		
REGION TOTAL	55,344,042	16,201,578	200,158	924,953	72,670,731	5,334	2,064	46	52	440	7,936	4	44,980,379	601	515	10	11

**TABLE 13
SUMMARY OF BITUMINOUS COAL MINES BY DISTRICT/COUNTY
PENNSYLVANIA ANNUAL 1997**

Deep Mine by District No./ Surface Mine by County	No. of Operators*	No. of Deep Mines	No. of Surface Mines	No. of Auger Mines	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				2	4	2	
2	1	2				1	3	2	
3	5	5					5	1	4
4	1	1					1	1	
5	1	1				1	2	1	
6	2	2				2	4	2	
7	3	5				1	6	2	3
8	3	4				2	6	2	2
9	2	5					5	3	2
10	3	4				1	5	2	2
11	3	6					6		6
12	2	3				1	4	3	
13	4	4					4	3	1
14	5	5					5	2	3
15	2	5					5	1	4
Allegheny	6		7		3		10		
Armstrong	21		36	10	1		47		
Beaver	2		6				6		
Bedford									
Blair	1		3				3		
Butler	4		5				5		
Cambria	15		36	11	3		50		
Centre	2		3				3		
Clarion	6		10				10		
Clearfield	44		128	3	1		132		
Clinton									
Elk	3		7				7		
Fayette	22		27		2		29		
Fulton									
Greene	4		6				6		
Huntingdon									
Indiana	21		32	4			36		
Jefferson	15		26	1			27		
Lawrence	1		1				1		
Lycoming	1		2				2		
Mercer	1		1				1		
Somerset	31		67	2	1		70		
Tioga									
Venango									
Washington	8		13		2		15		
Westmoreland	10		21				21		
REGION TOTAL	257	54	437	31	13	11	546	27	27

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

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TABLE 14
BITUMINOUS COAL REGION
OPERATORS PRODUCING 200,000 TONS OF DEEP COAL
1997

District	Operators	Production	Employees
2	Consol Pa Coal Co.	15,893,546	803
1	Cyprus Cumberland Resources Corp.	7,537,712	394
4	Consolidation Coal Co.	5,546,580	366
5	Eighty-Four Mining Co.	4,783,950	667
1	Cyprus Emerald Resources Corp.	4,728,138	423
6	Maple Creek Mining, Inc.	2,850,142	471
8, 9	Keystone Coal Mining Corp.	2,059,821	580
7	Canterbury Coal Co.	1,891,408	124
15	Rox Coal, Inc.	1,683,595	178
12	Helvetia Coal Co.	1,680,185	350
6	Mon View Mining Co.	1,111,020	249
7, 8	Rosebud Mining Co.	991,693	81
9	T J S Mining Co.	842,792	107
11	Doverspike Brothers Coal Co.	613,650	112
10	Tanoma Mining Co., Inc.	530,866	175
14	Genesis, Inc.	430,860	66
7	D L R Coal Co.	362,989	27
3	Target Industries, Inc.	262,215	32
13	Valley View Coal Co.	214,073	36
14	Penn Coal, Inc.	193,629	32
14	Lion Mining Co.	192,699	62

Note: All the above company names shown as submitted by the operator.

TABLE 15
BITUMINOUS COAL REGION
OPERATORS PRODUCING 200,000 TONS
OF SURFACE, AUGER AND REFUSE COAL
1997

County Code No.	Operators	Production	Employees
56	PBS Coals, Inc.	1,223,634	80
11, 17, 32, 65	M. B. Energy, Inc.	965,775	91
7, 11, 56	Cooney Bros. Coal Co.	837,297	175
14, 17	Power Operating Co., Inc.	748,385	93
2, 3, 10, 26, 65	Amerikohl Mining Co.	740,529	74
17	River Hill Coal Co., Inc.	703,967	20
11, 17	Bender Coal Co., Inc., E.P.	612,332	68
2	ACV Power Corp.	558,548	13
11, 17	Sky Haven Coal, Inc.	512,742	75
26, 63	Twilight Industries, Div. of U.S. Natural Resources, Inc.	477,795	37
17	Hamilton Contracting, AI	431,324	43
41	Fisher Mining Co.	386,520	32
56	Future Industries, Inc.	381,841	23
16	C & K Coal Co.	345,838	13
11, 17	K & J Coal Co., Inc.	286,795	95
2, 63	Robinson Coal Co.	275,471	38
11, 16, 32, 56	Dunamis Resources, Inc.	270,746	33
17, 33	Hepburnia Coal Co.	250,616	40
3	Smith, Inc., Thomas J.	248,362	12
11	Ebensburg Power Co.	247,237	7
26	Carbon Fuel Resources, Inc.	236,798	2
17, 33	Falls Creek Energy, Inc.	234,046	11
33	Original Fuels, Inc.	207,333	36
3, 10	State Industries, Inc.	204,744	16
32	Pitt Mining Co.	191,918	28
16, 32	Doverspike Bros. Coal Co.	182,316	7
17, 32, 33	P & N Coal Co.	159,729	19