

**ANTHRACITE  
REGION  
STATISTICAL  
REPORTS**

ANTHRACITE REGION

Production, Employes, Fatalities, 1870 to 1993

Year	Production (Net Tons)	Bank Production*	Stripping Production*	Employes	Fatalities	Production per Fatality	Fatalities Per 1,000,000 Tons Produced	No. of Mine Inspectors
1870	14,172,004			35,600	211	67,166	14.89	5
1871	15,532,252			37,488	210	73,963	13.52	5
1872	15,567,973			44,745	223	69,811	14.32	5
1873	21,001,521			48,199	264	79,551	12.57	5
1874	19,930,240			53,402	231	86,278	11.59	5
1875	23,402,646			69,966	238	98,330	10.17	6
1876	23,440,666			70,474	228	102,810	9.73	6
1877	24,727,213			66,842	194	127,460	7.85	6
1878	20,900,966			63,964	187	111,770	8.95	6
1879	31,036,600			68,847	262	118,460	8.44	6
1880	27,974,532			73,373	202	138,488	7.22	6
1881	34,202,558			76,031	273	125,284	7.98	7
1882	35,057,430			82,200	295	118,839	8.41	6
1883	37,747,369			91,421	323	116,865	8.56	6
1884	36,468,738			101,073	332	109,846	9.10	6
1885	38,232,155			100,320	332	115,157	8.68	7
1886	38,950,932			103,044	279	139,609	7.16	7
1887	42,156,300			106,517	316	133,406	7.50	7
1888	46,635,037			122,218	364	128,118	7.81	8
1889	43,650,768			119,646	397	109,952	19.09	8
1890	44,986,286			119,919	378	110,011	8.40	7
1891	49,701,322			123,308	428	116,125	8.61	8
1892	51,226,978			130,300	418	122,553	8.16	8
1893	52,841,110			138,069	456	115,880	8.63	8
1894	50,966,920	386,960		139,939	446	114,276	8.75	8
1895	56,948,756	386,534		143,705	421	135,270	7.39	8
1896	53,843,250	527,809		150,088	502	107,257	9.32	8
1897	52,581,036	732,743		149,557	423	124,305	8.04	8
1898	52,812,675	697,759		142,420	411	129,498	7.78	8
1899	60,518,331	1,055,426		140,604	461	131,276	7.62	8
1900	57,363,396	1,818,170		143,824	411	139,570	7.16	8
1901	67,094,665	2,009,864		147,651	513	130,789	7.65	8
1902	41,340,935	2,965,792		148,139	300	137,803	7.26	8
1903	75,232,585	4,119,258		151,827	518	145,237	6.89	15
1904	73,594,369	3,440,420		161,330	595	123,688	8.08	15
1905	78,647,020	3,987,688		168,254	644	122,123	8.19	15
1906	72,139,510	4,880,402		166,175	557	129,514	7.72	19
1907	86,056,412	5,630,169		168,774	708	121,549	8.23	20
1908	83,543,243	4,635,923		174,503	678	123,220	8.12	20
1909	80,223,833	5,206,562		171,195	567	141,488	7.07	20
1910	83,683,994	5,412,167		168,175	601	139,241	7.18	20
1911	90,917,176	4,555,457		173,338	699	130,067	7.69	21
1912	84,426,869	4,317,161		175,098	601	140,477	7.12	21
1913	91,626,964	2,934,157		175,310	624	146,838	6.81	21
1914	91,189,641	2,702,537		180,899	600	151,983	6.58	21
1915	89,377,706	3,418,427		177,339	588	152,003	6.58	21
1916	87,680,198	4,432,606		159,169	565	155,186	6.44	25

ANTHRACITE REGION  
Production, Employes, Fatalities, 1870 to 1993

Year	Production (Net Tons)	Bank Production*	Stripping Production*	Employes	Fatalities	Production per Fatality	Fatalities Per 1,000,000 Tons Produced	No. of Mine Inspec- tors
1917	100,445,299	6,408,227		156,148	581	172,883	5.78	25
1918	99,445,794	7,246,454		148,226	556	178,859	5.59	25
1919	87,838,024	3,616,675		153,780	636	138,110	7.24	25
1920	89,636,036	5,435,697		149,117	490	182,931	5.47	25
1921	90,358,642	1,842,096		161,926	546	165,492	6.04	25
1922	53,910,201	2,525,402		159,880	300	179,701	5.56	25
1923	92,653,641	4,212,001		158,764	515	179,910	5.56	22
1924	87,277,449	1,141,796		162,503	496	175,963	5.68	22
1925	61,334,145	894,187		163,825	401	152,953	6.54	18
1926	83,874,500	1,365,175		168,734	455	184,340	5.42	18
1927	79,367,154	1,841,440		167,648	492	161,315	6.20	25
1928	4,552,312	1,614,863		160,721	447	166,784	6.00	25
1929	72,985,844	878,599		153,422	483	151,109	6.62	25
1930	68,776,559	890,389		151,171	444	154,902	6.46	25
1931	59,115,387	1,468,572		138,400	384	153,946	6.50	25
1932	49,501,511	1,062,853	3,545,948	119,480	243	203,710	4.91	21
1933	49,507,577	2,090,996	4,308,811	102,469	232	213,395	4.69	21
1934	56,798,951	1,516,393	4,461,894	106,251	260	218,458	4.58	19
1935	51,359,111	1,876,700	4,962,514	100,539	267	192,256	5.20	17
1936	54,264,016	1,411,988	3,757,678	99,704	241	225,162	4.44	16
1937	51,700,296	1,882,062	5,014,052	99,117	212	243,869	4.10	22
1938	46,269,511	2,031,432	5,080,344	96,998	223	207,487	4.82	20
1939	51,399,707	2,347,269	5,308,049	93,352	210	244,761	4.09	24
1940	51,526,454	2,599,280	6,010,364	90,790	182	283,112	3.53	23
1941	53,942,177	3,689,538	7,855,945	88,849	189	285,408	3.50	22
1942	57,939,629	4,045,970	9,657,307	83,707	225	257,509	3.88	22
1943	60,511,730	7,715,860	8,688,896	79,369	218	277,577	3.60	23
1944	64,112,589	10,527,481	10,925,619	78,145	171	374,927	2.67	24
1945	55,901,235	9,454,205	10,521,174	76,265	137	408,038	2.45	23
1946	61,978,710	9,214,678	12,912,992	80,556	169	366,738	2.73	24
1947	58,227,985	7,076,796	12,691,382	80,730	165	352,897	2.83	24
1948	59,108,810	6,735,688	13,485,837	80,390	131	451,212	2.22	26
1949	44,710,118	4,823,144	11,081,087	79,209	92	485,980	2.06	26
1950	46,339,255	4,027,249	12,291,325	75,231	86	538,829	1.86	25
1951	42,389,055	4,843,834	11,376,379	70,357	94	450,927	2.22	25
1952	40,067,130	4,710,495	11,019,185	66,483	92	435,512	2.30	25
1953	30,495,391	3,892,083	8,883,984	56,952	59	516,871	1.93	25
1954	26,612,312	3,055,528	7,852,186	44,731	47	566,219	1.76	24
1955**	25,934,792	3,618,121	7,826,029	37,397	60	432,247	2.31	20
1956	28,175,633	4,336,168	8,527,613	35,029	54	521,771	1.92	18
1957	25,163,466	4,356,958	7,831,511	32,767	51	493,401	2.03	21
1958	20,456,474	2,711,152	7,001,422	26,738	31	659,886	1.52	20
1959	19,670,615	2,981,696	7,272,661	24,112	46	427,622	2.34	20
1960	17,721,113	3,006,803	7,138,743	20,269	35	506,318	1.98	23
1961	16,506,612	2,418,433	7,279,371	16,971	19	868,769	1.15	23
1962	16,496,315	2,829,421	6,942,675	14,704	26	634,474	1.58	22
1964	16,524,687	3,013,307	7,248,900	13,584	24	688,529	1.45	22
1965	14,229,817	2,611,189	5,996,536	11,839	8	1,778,727	0.56	21

**ANTHRACITE REGION**  
**Production, Employees, Fatalities, 1870 to 1993**

Year	Production (Net Tons)	Bank Production*	Stripping Production*	Employees	Fatalities	Production per Fatality	Fatalities Per 1,000,000 Tons Produced	No. of Mine Inspectors
1966	12,031,375	2,662,558	5,317,432	9,621	5	2,406,275	0.41	21
1967	11,552,441	3,335,557	4,910,209	7,828	9	1,283,605	0.78	21
1968	11,025,482	3,571,862	4,918,353	6,682	4	2,756,370	0.36	16
1969	10,165,805	3,319,018	4,696,123	6,461	13	781,985	1.28	16
1970	9,248,001	2,956,707	4,624,610	6,286	4	2,312,002	0.43	16
1971	8,187,961	2,492,178	4,450,457	5,816	2	4,093,980	0.24	16
1972	6,462,093	2,072,658	3,492,444	4,431	3	2,154,031	0.47	16
1973	6,293,013	2,305,265	3,284,905	4,053	1	6,293,013	0.16	12
1974	6,090,421	2,645,613	2,812,618	3,831	2	3,045,210	0.32	12
1975	5,628,741	2,520,415	2,511,703	3,877	1	5,628,741	0.17	14
1976	5,291,776	1,817,306	2,958,115	3,641	1	5,291,776	0.18	13
1977	5,060,689	1,663,864	2,896,979	3,603	11	460,063	2.17	13
1978	5,036,807	1,480,352	2,961,727	3,472	1	5,036,887	0.20	13
1979	4,835,118	1,331,655	2,961,129	3,310	1	4,835,118	0.21	13
1980	5,983,149	1,945,054	3,454,821	3,429	3	1,994,383	0.50	16
1981	5,125,389	1,256,640	3,247,489	3,609	1	5,125,389	0.20	13
1982	3,993,385	992,493	2,525,882	3,641	-	-	-	19
1983	2,923,452	597,590	1,887,531	3,003	1	2,923,452	0.34	18
1984	3,893,898	544,076	2,708,194	3,239	-	-	-	16
1985	5,228,623	1,046,252	3,428,652	3,225	6	871,437	1.14	17
1986	3,748,390	686,342	2,433,025	2,723	3	1,249,463	0.80	20
1987	5,225,696	1,117,775	3,492,876	2,617	-	-	-	18@
1988	4,180,968	674,433	2,952,581	2,540	1	4,180,968	0.23	19@
1989	3,375,315	526,850	2,247,395	2,443	1	3,375,315	0.30	19@
1990	3,414,967	976,875	1,908,545	2,258	1	3,414,967	0.30	19@
1991	4,846,247	1,992,433	2,473,295	2,289	1a	4,846,247	0.21	23@
1992	4,879,958	2,373,570	2,049,921	2,497	-	-	-	22@
1993	5,170,398	2,933,712	1,739,135	2,158	2	2,585,199	0.39	19@

\* Included in Total Production

# No accurate record previous to 1870

€ No accurate record previous to 1894

% No accurate record previous to 1932

\*\* In 1955 and subsequent years the production, employees, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in this report.

@ Estimated

a Surface mining fatal.

PENNSYLVANIA ANTHRACITE REGION  
PRODUCTION OF COAL, EMPLOYES, AND FATALITIES BY COUNTY

1993 ANNUAL

County	Deep Mined Production	Strip Mined Production	Refuse & Bank Production	(Net Tons) TOTAL PRODUCTION	Deep Employes	Strip Employes	Refuse & Bank Employes	Breaker & Washery Employes	TOTAL EMPLOYES	Fatal Accidents	Production Per Fatal	Non-fatal Accidents
Carbon	-	-	192,121	192,121	-	-	58	11	69	-	-	2
Columbia	120,184	42,964	-	163,148	39	13	-	-	52	-	-	-
Dauphin	2,530	-	3,345	5,875	3	-	1	30	34	-	-	-
Lackawanna	-	13,926	277,874	291,800	5	8	-	13	26	-	-	1
Luzerne	35,167	389,084	605,129	1,029,380	5	126	148	131	410	-	-	22
Northumberland	54,372	105,889	146,829	307,090	82	36	64	113	295	-	-	6
Schuylkill	285,298	1,187,272	1,708,414	3,180,984	216	366	287	403	1,272	2	1,590,492	202
Sullivan	-	-	-	-	-	-	-	-	-	-	-	-
<b>REGION TOTAL</b>	<b>497,551</b>	<b>1,739,135</b>	<b>2,933,712</b>	<b>5,170,398</b>	<b>350</b>	<b>549</b>	<b>558</b>	<b>701</b>	<b>2,158</b>	<b>2</b>	<b>2,585,199</b>	<b>233</b>

SUMMARY OF ANTHRACITE MINES PRODUCTION AND FATALITIES BY DISTRICT/COUNTY  
PENNSYLVANIA 1993 ANNUAL

Deep Surface Districts/County	Opera- tors	Number of Deep Mines	Number of Refuse and Bank Mines	Number of Strip Mines	Number of Breaker and Washery Plants	TOTAL NUMBER OF OPERA- TIONS	Number of Gaseous Mines	Number of Non- Gaseous Mines	Deep Empley- es	Refuse and Bank Empley- es	Strip Empley- es	Breaker and Washery Empley- es	TOTAL EMPLOY- ES	Deep Mine Produc- tion	Refuse and Bank Mines Produc- tion	Strip Mine Produc- tion	TOTAL PRODUCTION	No. of Fatalis	Produc- tion Per Fatal	Number Non- fatal Acci- dents
1	17	5	5	-	14	24	-	5	18	64	-	134	216	36,009	357,316	-	393,325	-	-	29
2	22	9	8	-	11	28	1	8	63	109	-	130	302	170,238	397,099	-	567,337	1	567,337	47
3	29	17	4	-	9	30	2	15	80	18	-	93	191	49,899	107,408	-	157,307	-	-	1
4	25	10	15	-	16	41	-	10	43	58	-	235	336	53,936	172,128	-	226,064	-	-	58
5	23	17	-	-	7	24	3	14	63	-	-	52	115	75,447	-	-	75,447	-	-	3
6	20	17	1	-	3	21	6	11	82	3	-	34	119	107,549	7,408	-	114,957	-	-	-
Carbon	1	-	1	-	-	1	-	-	-	36	-	-	36	-	190,714	-	190,714	-	-	1
Columbia	4	-	1	3	-	4	-	-	-	-	13	-	13	-	-	42,964	42,964	-	-	-
Dauphin	1	-	1	-	1	2	-	-	-	1	-	-	1	-	3,345	-	3,345	-	-	-
Lackawanna	9	-	7	3	-	10	-	-	-	-	8	12	20	-	277,874	13,926	291,800	-	-	-
Luzerne	18	-	13	14	-	27	-	-	-	84	126	-	210	-	247,813	389,084	636,897	-	-	22
Northumberland	11	2*	5	5	2	14	-	2	1	13	36	8	58	4,473	39,377	105,889	149,739	-	-	3
Schuylkill	43	-	21	37	1	59	-	-	-	172	366	3	541	-	1,133,230	1,187,272	2,320,502	1	2,320,502	69
Sullivan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>REGION TOTAL</b>	<b>223</b>	<b>77</b>	<b>82</b>	<b>62</b>	<b>64</b>	<b>285</b>	<b>12</b>	<b>65</b>	<b>350</b>	<b>558</b>	<b>549</b>	<b>701</b>	<b>2,158</b>	<b>497,551</b>	<b>2,933,712</b>	<b>1,739,135</b>	<b>5,170,398</b>	<b>2</b>	<b>2,585,199</b>	<b>233</b>

\*Deep operations but submit by surface inspector.

ANTHRACITE REGION  
 PRODUCTION, HOW SHIPPED, EMPLOYES AND AVERAGE DAYS  
 PENNSYLVANIA ANNUAL 1993

Deep Mine District/Surface Mine County	Shipped to Market			Sold to Local Trade	Used to Mine for Steam and Heat	TOTAL PRODUCTION	Number of Employes	Average Days Worked
	By Rail	By Water	By Truck					
1	-	-	393,325	-	-	393,325	216	216
2	-	-	567,337	-	-	567,337	302	250
3	650	-	126,419	30,222	16	157,307	191	214
4	-	-	225,949	-	115	226,064	336	231
5	169	-	47,178	27,935	165	75,447	115	212
6	9	-	91,001	23,939	8	114,957	119	239
Carbon	-	-	190,714	-	-	190,714	36	254
Columbia	-	-	42,964	-	-	42,964	13	233
Dauphin	-	-	3,345	-	-	3,345	1	307
Lackawanna	-	-	291,800	-	-	291,800	20	154
Luzerne	201,443	-	435,454	-	-	636,897	210	193
Northumberland	-	-	149,739	-	-	149,739	58	228
Schuylkill	135,436	-	2,185,066	-	-	2,320,502	541	229
Sullivan	-	-	-	-	-	-	-	-
<b>REGION TOTAL</b>	<b>337,707</b>	<b>-</b>	<b>4,750,291</b>	<b>82,096</b>	<b>304</b>	<b>5,170,398</b>	<b>2,158</b>	<b>226</b>

**Anthracite Region  
Operators Producing 25,000 or More Tons of Coal  
1993**

Deep District No. & Surface County Code No. Operations Are In	Operators	Production	Employees
54C	Northeastern Power Co.	539,895	10
1, 3, 4	Devil's Hole, Inc.	428,932	28
40C, 54C	Jeddo-Highland Coal Co.	353,078	121
2	Anthracite Energy, Inc.	337,240	25
54C	Export Waste	337,240	22
4, 54C	Lehigh Coal & Navigation	319,969	116
2, 49C, 54C	Blaschak Coal Co.	267,269	17
2, 4, 54C	Reading Anthracite Co.	263,233	223
35C	Archbald Power Corp.	222,121	4
4, 13C	Panther Creek Partners	190,714	36
2	U A E Coal Corp.	118,684	37
1	Continental Energy Assoc. Ltd.	98,771	17
54C	Kuperavage Coal Co., Joe	97,551	10
54C	Parker V Coal Co.	96,397	11
4, 54C	Ginther Coal Co.	85,551	19
54C	K & K Coal Co.	71,268	8
2, 49C, 54C	White Pine Coal Co., Inc.	65,648	10
1, 35C, 40C	Silverbrook Anthracite, Inc.	57,377	20
4, 54C	South Tamaqua Coal Pockets, Inc.	56,114	12
40C	UGI Utilities, Inc.	51,575	2
2, 54C	Schuylkill Coal Processing, Inc.	39,601	4
3, 49C	Split Vein Coal Co., Inc.	30,689	9
54C	Harriman Coal Corp., The	28,311	26
5	Jeff Coal Co.	27,939	2
2, 49C	Savitski Bros. Coal Co.	26,970	4
2	Mercury Coal Co.	26,565	13



ANTHRACITE  
ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED  
1847 - 1993

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1847	Feb.	Spencer	Spencer Coal Co.	Pottsville	Explosion of gas	7
1869	Sep. 6	Avondale	Delaware, Lackawanna & Western Railroad Co.	Plymouth	Mine fire	110
1870	Mar. 22	Potts	Locust Dale Coal Co.	Locust Dale	Boiler Explosion	5
	Aug. 10	Heins & Glassmire	Heins & Glassmire	Middleport	Cage fell down shaft	9
	Aug. 29	Preston No. 3	Preston Coal & Improvement Co.	Girardville	Car fell down slope	7
1871	May 27	West Pittston	Lehigh Valley Railroad Co.	West Pittston	Suffocated by smoke from burning breaker	20
	Oct. 2	Otto Red Ash	Cain, Hacker & Cook	Branch Dale	Explosion of gas	5
1873	June 10	Henry Clay	Langdon & Co., R.	Shamokin	Explosion of gas	10
1877	May 9	Wadesville	Wadesville Shaft Colliery	Wadesville	Explosion of gas	7
1878	Jan. 15	Potts	Philadelphia & Reading Coal & Iron Co.	Locust Dale	Explosion of gas	5
1879	May 6	Audenried	Lehigh & Wilkes-Barre Coal Co.	Audenried	Explosion of gas	6
	Nov. 2	Mill Creek	D. & H. Canal Co.	Mill Creek	Explosion of gas	5
1880	May 3	Lykens Valley	Short Mountain & Lehigh Valley Coal Co.	Shamokin	Explosion of gas	5
1882	May 24	Kohinoor	Heckscher & Co., R.	Shenandoah	Explosion of gas	5
1884	Aug. 21	Buck Ridge	Philadelphia & Reading Coal & Iron Co.	Shamokin	Mine fire	7
1885	Apr. 6	Cuyler	Heaton & Co., S. M.	Raven Run	Fall of Roof	10
	Aug. 11	West End	West End Coal Co.	Mocanaqua	Suffocated by gas from boiler fire	10
	Oct. 21	Plymouth No. 2	D. & H. Coal Co.	Plymouth	Explosion of gas	6
	Dec. 18	Nanticoke No. 1	Susquehanna Coal Co.	Nanticoke	Inrush of quicksand	26
1886	Aug. 30	Fair Lawn	Fair Lawn Coal Co.	Scranton	Explosion of gas	6
	Sep. 13	Marvine	D. & H. Coal Co.	Scranton	Suffocated by gas	8
	Nov. 26	Conyngham	D. & H. Coal Co.	Wilkes-Barre	Explosion of gas	12
1887	Apr. 27	Tunnel	Philadelphia & Reading Coal & Iron Co.	Ashland	Suffocated by gas	5
	Oct. 1	Bast	Philadelphia & Reading Coal & Iron Co.	Big Mine Run	Explosion of gas	5
1889	May 9	Kaska, William	L. C. & N. Co.	Middleport	Car fell on cage in shaft	10
1890	Feb. 1	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	8
	Mar. 3	S. Wilkes-Barre No. 3	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	8
	Apr. 2	Susquehanna No. 4	Susquehanna Coal Co.	Nanticoke	Explosion of gas	5
	May 15	Jersey No. 8	Lehigh & Wilkes-Barre Coal Co.	Ashley	Explosion of gas	26

ANTHRACITE  
ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED  
1847 - 1993

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1891	Feb. 4	Spring Mountain No. 1	Spring Mountain Coal Co.	Jeanesville	Drowned-water from old workings	13
	Oct. 23	Richardson	Philadelphia & Reading Coal & Iron Co.	Glen Carbon	Suffocated by gas	7
	Nov. 8	Susquehanna No. 1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	12
1892	Apr. 20	Lytle	Lytle Coal Co.	Minersville	Drowned-water from old workings	10
	July 23	York Farm	Lehigh Valley Coal Co.	Pottsville	Explosion of gas	15
1893	Apr. 1	Neilson	Langdon & Co., Inc., A. L.	Shamokin	Mine fire	10
	July 22	Susquehanna No. 1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	5
1893	Sep. 21	Lance No. 11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	6
1894	Feb. 13	Gaylord	Kingston Coal Co.	Plymouth	Fall of Roof	13
	July 17	East Sugar Loaf	Linderman & Skeer	Stockton	Explosion of powder & dynamite	8
	Oct. 8	Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Mine fire	5
	Oct. 11	Henry Clay	Philadelphia & Reading Coal & Iron Co.	Shamokin	Boiler explosion	6
1895	Feb. 18	West Bear Ridge	Philadelphia & Reading Coal & Iron Co.	Mahanoy Plane	Explosion of gas	5
	Oct. 7	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	7
1896	June 28	Twin	Newton Coal Co.	Pittston	Fall of Roof	58
	Oct. 29	S. Wilkes-Barre No. 3	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	6
1897	Jan. 13	Wadesville	Philadelphia & Reading Coal & Iron Co.	Wadesville	Crosshead fell down shaft	5
	Sep. 28	Jermyn No. 1	Jermyn & Co.	Rendham	Mine fire	5
	Oct. 30	Von Storch	D. & H. Coal Co.	Scranton	Mine fire	6
1898	May 26	Kaska, William	Dodson Coal Co.	Middleport	Drowned-water from old workings	6
	Oct. 1	Midvale	Lehigh Valley Coal Co.	Wilkes-Barre	Mine fire	5
	Nov. 5	Exeter	Lehigh Valley Coal Co.	West Pittston	Car fell on cage in shaft	9
1900	Nov. 9	Buck Mountain	Mill Creek Coal Co.	Mahanoy City	Explosion of gas	7
1901	Oct. 25	Buttonwood	Parrish Coal Co.	Plymouth	Explosion of gas	6
1902	Nov. 29	Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	7
	Dec. 9	S. Wilkes-Barre	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	5
1904	Jan. 30	Maple Hill	Philadelphia & Reading Coal & Iron Co.	Mahanoy City	Explosion of powder & dynamite	5
	May 5	Lance	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of powder & dynamite	5
	May 5	Locust Gap	Philadelphia & Reading Coal & Iron Co.	Locust Gap	Mine fire	5
	May 25	Williamstown	Summit Branch Mining Co.	Williamstown	Suffocated by gas from mine locomotive	10
	Nov. 2	Auchincloss	Delaware, Lackawanna & Western Railroad Co.	Nanticoke	Falling down shaft	10

ANTHRACITE  
ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED  
1847 - 1993

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1905	Feb. 18	Lytle	Lytle Coal Co.	Minersville	Fall of Roof	5
	Mar. 9	Clear Spring	Clear Spring Coal Co.	West Pittstown	Falling down shaft	7
	Apr. 26	Conyngham	D. & H. Coal Co.	Wilkes-Barre	Falling down shaft	10
1906	May 15	Shenandoah City	Philadelphia & Reading Coal & Iron Co.	Shenandoah	Explosion of powder & dynamite	7
	Aug. 6	Susquehanna No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	6
1907	Mar. 2	Holden	Delaware, Lackawanna & Western Railroad Co.	Taylor	Explosion of gas	7
1908	June 18	Johnson No. 1	Scranton Coal Co.	Priceburg	Explosion of gas	7
	May 12	Mount Lookout	Temple Iron Co.	Wyoming	Explosion of gas	12
	May 13	Prospect	Lehigh Valley Coal Co.	Midvale	Fall of Roof	5
	July 15	Williamstown	Summit Branch Mining Co.	Williamstown	Explosion of powder & dynamite	6
	Aug. 28	Warior Run	Lehigh Valley Coal Co.	Wilkes-Barre	Mine cars	6
1909	Mar. 2	Pennsylvania No. 14	Pennsylvania Coal Co.	Pittston	Explosion of gas	8
	Nov. 9	Auchincloss	Glen Alden Coal Co.	Nanticoke	Mine fire	9
1910	Jan. 11	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	7
	Mar. 12	S. Wilkes-Barre No. 5	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	7
1911	Apr. 7	Pancoast	Price-Pancoast Coal Co.	Throop	Mine fire	72
	May 10	Plymouth No. 5	Delaware & Hudson Co.	Dorrancetown	Suffocated by gas from underground fire	5
	May 27	Cameron	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	5
1911	Sep. 12	Marvine	Delaware & Hudson Co.	Scranton	Mine Cars	5
	Oct. 3	Drifton No. 2	Coxe Bros. Co., Inc.	Freeland	Cave-in	5
1912	Jan. 9	Parrish	Parrish Coal Co.	Plymouth	Explosion of gas	6
1913	Aug. 2	East Brookside	Philadelphia & Reading Coal & Iron Co.	Tower City	Explosion of gas	20
1914	May 29	Maryd	Maryd Coal Col.	Maryd	Overwinding of cage	6
	Sep. 16	Lehigh No. 4	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	7
	Dec. 9	Diamond	Delaware, Lackawanna & Western Railroad Co.	Scranton	Falling down shaft	13
1915	Feb. 17	Prospect	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	13
1916	Feb. 8	Lance No. 11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	7
	Mar. 9	Hollenback No. 2	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	6
	Aug. 8	Woodward	Delaware, Lackawanna & Western Railroad Co.	Edwardsville	Explosion of gas	6
1919	June 5	Baltimore Tunnel	Hudson Coal Co.	Wilkes-Barre	Explosion of power & dynamite	92
	July 8	Lansford	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	8

ANTHRACITE  
ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED  
1847 - 1993

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1921	Mar. 9	Rahn	Lehigh Coal & Navigation Co.	Seek	Explosion of gas	5
1922	Nov. 3	Eddy Creek	Hudson Coal Co.	Scranton	Premature blast	6
1923	Feb. 21	Alliance	Alliance Coal Mining Co.	Middleport	Explosion of gas	5
	June 26	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	5
	Dec. 8	Mount Jessup No. 2	Mount Jessup Coal Co.	Jessup	Fall of Roof	5
1924	June 6	Loomis	Glen Alden Coal Co.	Nanticoke	Explosion of gas	14
1925	May 22	Woodward	Glen Alden Coal Co.	Edwardsville	Explosion of gas	7
	Aug. 3	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	10
1926	May 6	Randolph	So. Penn Collieries Co.	Port Carbon	Explosion of gas	5
	July 3	Pettebone	Glen Alden Coal Co.	Kingston	Explosion of gas	7
	Oct. 30	Susquehanna No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	9
1927	May 26	Woodward	Glen Alden Coal Co.	Edwardsville	Fall of Roof, followed by an explosion of gas	7
1928	May 25	Baltimore No. 5	Hudson Coal Co.	Wilkes-Barre	Explosion of gas	10
1930	Aug. 8	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Fall of Roof	8
1931	May 29	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	5
1935	Jan. 21	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Explosion of gas	13
	May 7	S. Wilkes-Barre	Glen Alden Coal Co.	Wilkes-Barre	Piece of rock fell down shaft, struck cage	7
1936	Aug. 24	Clear Spring	Sullivan Trail Coal Co.	West Pittston	Explosion of gas	5
1938	Apr. 27	St. Clair	St. Clair Coal Co.	St. Clair	Explosion of gas	8
	June 2	Volpe	Volpe Mining Co.	Pittston Twp.	Explosion of gas	10
1943	Sep. 24	Primrose	M. & S. Coal Co.	Minersville	Explosion of gas	14
1947	Jan. 15	Nottingham	Glen Alden Coal Co.	Wilkes-Barre	Explosion of gas	15
	Apr. 10	Schooley	Knox Coal Co.	Exeter Boro.	Explosion of gas	10
	Dec. 11	Franklin	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	8
1951	Mar. 29	Buttonwood	Glen Alden Coal Co.	Hanover Twp.	Explosion of gas	5
1952	Mar. 27	Holmes Slope	Cano & Martin, Inc.	Forrestville	Drown-blast blew through to old workings	5
1959	Jan. 22	Ewen	Knox Coal Co.	Port Griffith	Drown - river broke into mine	12
1977	Mar. 1	Porter Tunnel	Kocher Coal Co.	Tower City	Inrush of water	9

## STUDY OF ANTHRACITE BY COUNTY

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	2,654,820	1,044,724	1,113,048	20,392,400	34,711,150	7,207,553	19,238,222	214,773	655,000	45,759	87,277,449
1930	1,754,134	685,253	867,363	15,312,853	27,456,102	6,749,282	15,673,224	64,071	91,296	122,981	68,776,559
1935	1,703,018	824,803	549,467	10,437,254	21,059,166	5,469,278	10,761,971	179,134	216,010	159,010	51,359,111
1936	1,873,797	1,546,144	400,758	11,154,691	21,315,049	5,208,201	12,333,446	213,847	19,169	198,914	54,264,016
1937	2,076,398	1,251,044	484,403	9,117,509	22,487,109	4,604,212	11,461,545	99,879	15,339	102,858	51,700,296
1938	1,947,771	1,157,913	425,871	8,439,828	20,365,737	4,090,787	9,774,216 a	49,383	7,030	10,975	46,269,511
1939	2,514,152	964,346	476,960	9,198,552	23,377,666	4,815,235	9,885,719 b	36,684	124,791	5,602	51,399,707
1940	2,175,348	1,026,366	505,558	9,259,463	22,672,016	4,499,464	11,242,175 c	50,844	86,149	9,071	51,526,454
1941	2,401,741	1,067,473	345,545	8,973,827	24,316,481	4,934,077	11,822,153 d	49,179	21,686	10,015	53,942,177
1942	2,796,798	998,124	57,479	9,344,388	25,767,343	5,295,913	13,520,462 e	49,113	62,761	47,248	57,939,629
1943	3,150,839	861,015	229,826	9,149,647	24,082,663	5,463,150	17,396,092 f	101,977	73,037	3,484	60,511,730
1944	3,644,877	1,147,941	299,349	9,427,467	24,810,042	5,743,444	18,834,594 g	147,756	46,216	10,903	64,112,589
1945	3,345,258	1,121,228	292,662	8,083,021	21,073,255	5,001,063	16,731,289 h	187,007	66,452	*	55,901,235
1946	3,166,205	1,457,754	141,800	9,058,331	22,770,658	6,342,793	18,811,399	105,862	123,908	*	61,978,710
1947	2,933,809	1,507,884	28,731	8,538,164	21,990,960	6,779,549	16,259,688	46,785	142,415	-	58,227,985
1948	2,801,893	1,679,495	10,254	8,610,881	21,591,846	6,937,340	17,275,544 i	63,230	138,327	-	59,108,810
1949	2,126,682	1,380,732	61,389	6,221,743	15,989,846	5,200,490	13,538,194 j	23,585	167,457	-	44,710,118
1950	1,988,317	1,281,807	52,275	6,526,466	17,112,757	5,211,307	14,066,493 k	26,690	73,143	-	46,339,255
1951	1,894,035	985,177	30,133	5,775,808	14,882,432	5,749,967	13,021,079 m	28,762	21,662	-	42,389,055
1952	1,899,297	760,695	868	5,303,545	13,774,952	5,326,146	12,977,572 n	24,055	-	-	40,067,130
1953	1,561,836	745,649	21,811	3,555,642	10,201,927	4,247,561	10,142,880 o	18,085	-	-	30,495,391
1954	1,272,419	568,733	52,281	2,903,470	10,675,181	3,283,315	7,836,675	20,238	-	-	26,612,312
1955 #	1,749,692	639,990	212,239	2,594,928	9,921,275	2,749,383	8,057,660 p	9,625	-	-	25,934,792
1956	1,746,287	841,201	254,495	3,232,566	9,762,753	3,524,853	8,801,402 q	5,715	-	6,361	28,175,633
1957	1,107,042	850,479	195,499	2,680,409	8,389,265	3,415,614	8,518,317 r	6,841	-	-	25,163,466
1958	623,195	888,009	123,861	2,094,170	6,774,033	2,600,831	7,307,839 s	15,173	1,680	27,683	20,456,474
1959	518,252	692,224	142,720	2,147,827	6,172,748	2,551,604	7,432,081 t	8,052	-	5,107	19,670,615
1960	519,583	474,234	129,002	1,853,008	5,380,696	2,414,599	6,933,916 u	13,828	679	1,568	17,721,113
1961	579,106	464,421	108,542	1,194,971	5,307,953	2,004,278	6,827,844 v	16,534	1,645	1,318	16,506,612
1962	497,925	411,185	110,384	1,079,459	6,090,572	1,702,891	6,583,012 w	10,786	9,512	589	16,496,315
1963	727,445	445,749	230,324	964,475	6,412,375	2,082,968	6,531,130 x	8,729	-	8,007	17,411,202
1964	551,442	910,704	237,555	879,898	5,649,906	2,267,083	6,011,519 y	15,081	-	1,499	16,524,687
1965	444,826	416,272	196,495	660,558	5,346,676	1,600,886	5,538,420 z	23,096	2,395	193	14,229,817
1966	507,724	299,622	167,568	501,187	4,478,217	1,431,414	4,624,032 aa	20,474	1,137	-	12,031,375
1967	545,089	507,236	162,213	431,073	4,192,283	1,417,420	4,261,992 bb	34,766	369	-	11,552,441
1968	533,757	309,860	122,743	558,459	3,476,065	1,680,202	4,297,648	37,159	9,589	-	11,025,482
1969	497,159	327,999	52,613	441,475	3,360,976	1,309,666	4,133,984	40,808	1,125	-	10,165,805
1970	465,359	389,255	85,958	402,420	2,719,940	1,025,830	4,043,335	115,914	-	-	9,248,011
1971	323,810	232,698	45,400	397,957	2,598,269	894,462	3,569,335	125,913	117	-	8,187,961
1972	172,217	128,798	47,040	282,737	2,022,194	957,087	2,786,598	65,422	-	-	6,462,093
1973	98,164	10,565	36,652	214,460	1,960,579	955,362	2,975,474	38,130	3,627	-	6,293,013

Total  
Production  
(net tons)

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1974	204,516	37,975	73,103	133,287	1,453,190	1,044,012	3,102,366	34,691	7,281	-	6,090,421
	1975	95,263	45,833	25,118	202,320	1,690,049	790,973	2,750,777	28,408	-	-	5,628,741
	1976	255,955	67,588	25,252	105,428	1,414,307	716,907	2,646,600	57,353	2,386	-	5,291,776
	1977	147,719	51,417	21,229	141,896	1,203,768	739,437	2,676,827	78,396	cc	-	5,060,689
	1978	128,671	57,375	29,895	80,439	1,318,836	683,436	2,547,616	190,539	dd	-	5,036,807
	1979	87,682	136,236	33,733	39,608	1,215,583	566,220	2,608,804	137,337	ee	9,915	4,835,118
	1980	75,518	134,475	8,018	58,263	1,291,639	549,946	3,627,762	232,880	ff	4,648	5,983,149
	1981	82,044	117,500	11,534	67,714	802,873	575,713	3,210,484	256,527	gg	-	5,125,389
	1982	86,068	82,303	104,110	124,754	784,340	418,664	2,294,729	26,986	-	71,431	3,993,385
	1983	93,156	49,237	117,236	25,112	1,194,261	351,570	1,050,038	28,115	-	14,748	2,923,452
	1984	142,215	120,942	139,923	50,714	1,028,179	390,565	1,964,657	56,703	-	-	3,893,898
	1985	162,746	135,900	149,786	84,913	1,131,442	819,485	2,744,351	-	-	-	5,228,623
	1986	133,672	80,577	101,310	74,246	649,716	621,246	2,053,246	34,377	-	-	3,748,390
	1987	583,791	47,923	16,465	61,579	1,574,363	617,208	2,308,211	16,156	-	-	5,225,696
	1988	312,960	141,945	84,954	57,809	926,193	373,983	2,251,872	31,252	-	-	4,180,968
Total	1989	56,389	81,860	17,609	52,134	1,026,338	268,394	1,833,153	39,438	-	-	3,375,315
Production	1990	49,329	60,286	113,134	121,061	876,307	434,736	1,731,500	28,614	-	-	3,414,967
(net tons)	1991	-	108,770	15,737	222,262	1,124,142	328,210	2,993,030	54,096	-	-	4,846,247
	1992	87,304	123,531	8,031	228,770	1,147,243	358,805	2,894,811	31,463	-	-	4,879,958
	1993	192,121	163,148	5,875	291,800	1,029,380	307,090	3,180,984	-	-	-	5,170,398

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	4,776	2,213	2,043	35,846	63,308	14,660	37,672	708	1,178	99	162,503
1930	4,216	1,757	2,016	36,317	61,114	11,354	33,082	584	457	274	151,171
1935	4,935	1,324	1,012	20,889	43,701	7,757	19,697	596	403	225	100,539
1936	5,517	1,697	888	19,607	44,454	7,525	19,159	611	27	219	99,704
1937	4,282	1,871	877	19,188	45,755	7,489	19,002	426	158	69	99,117
1938	4,713	1,951	918	17,818	45,731	7,473	18,065 a	290	42	20	97,021
1939	4,686	1,943	904	17,875	43,344	7,637	16,494 b	215	235	19	93,352
1940	4,376	1,664	867	16,860	43,238	7,397	16,039 c	187	145	17	90,790
1941	4,446	1,489	587	14,974	43,726	6,815	16,615 d	144	37	16	88,849
1942	4,433	1,486	553	14,388	39,219	6,498	16,945 e	104	38	43	83,707
1943	4,337	1,316	130	13,064	35,807	6,485	18,052 f	164	14	*	79,369
1944	4,940	1,711	149	12,344	33,660	6,409	18,721 g	211	*	*	78,145
1945	4,588	1,954	195	11,400	32,888	5,877	19,127 h	207	29	*	76,265
1946	4,599	2,162	300	12,010	34,526	6,124	20,613	181	41	*	80,556
1947	4,891	2,319	152	12,381	33,869	6,636	20,302	127	53	*	80,730
1948	4,637	1,963	61	12,222	34,282	6,521	20,523 i	140	41	*	80,390
1949	4,420	1,760	83	11,702	35,040	6,009	20,047 j	104	44	*	79,209
1950	3,739	1,705	125	11,005	33,176	5,852	19,458 k	101	70	*	75,231
1951	3,872	1,496	153	10,410	30,596	5,583	18,159 m	79	9	*	70,357
1952	3,279	1,352	40	9,717	28,512	5,538	17,937 n	63	-	-	66,438
1953	2,987	1,298	71	8,496	23,974	4,949	15,116 o	61	-	-	56,952
1954	2,483	957	72	7,074	17,202	4,090	12,747	106	-	-	44,731
1955 #	2,197	1,121	203	4,954	14,399	4,380	10,123 p	20	-	-	37,397
1956	2,092	1,104	210	4,415	14,218	3,169	9,806 q	7	-	8	35,029
1957	1,892	1,143	191	4,309	12,442	3,239	9,544 r	7	-	-	32,767
1958	837	1,064	167	3,448	9,642	3,022	8,512 s	25	3	18	26,738
1959	613	853	208	3,235	8,397	2,857	7,923 t	22	-	4	24,112
1960	759	583	208	2,937	6,002	2,817	6,928 u	21	4	10	20,269
1961	349	416	201	2,167	5,126	2,689	5,998 v	16	3	6	16,971
1962	339	387	223	1,523	4,558	2,115	5,538 w	13	2	6	14,704
1963	387	366	187	1,239	4,626	1,994	5,497 x	13	-	14	14,323
1964	334	549	188	1,171	4,538	1,948	4,832 y	19	-	5	13,584
1965	200	288	159	992	4,167	1,647	4,363 z	17	3	3	11,839
1966	231	158	117	915	3,428	1,312	3,437 aa	15	5	3	9,621
1967	224	240	90	475	3,021	866	2,892 bb	15	5	-	7,828
1968	198	188	77	421	2,366	765	2,646	15	6	-	6,682
1969	283	154	80	410	2,077	806	2,617	26	8	-	6,461
1970	299	150	71	370	2,038	731	2,591	36	-	-	6,286
1971	287	116	60	323	1,799	659	2,534	36	2	-	5,816
1972	150	95	47	284	1,401	493	1,941	20	-	-	4,431
1973	44	24	50	251	1,343	472	1,842	21	6	-	4,053

Employees

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1974	69	39	44	239	1,149	451	1,807	16	17	-	3,831
1975	63	88	37	111	884	507	2,148	31	8	-	3,877
1976	61	92	38	85	780	501	2,045	33	6	-	3,641
1977	55	75	34	113	682	504	2,098	42 cc	-	-	3,603
1978	93	65	34	57	673	489	2,004	57 dd	-	-	3,472
1979	27	91	35	36	624	438	2,008	48 ee	3	-	3,310
1980	31	102	28	32	693	472	2,068	@	3	-	3,429
1981	41	114	10	33	599	451	2,285	76 gg	-	-	3,609
1982	67	101	58	43	668	482	2,179	39	-	-	3,641
1983	46	74	49	16	614	525	1,638	39	2	-	3,003
1984	79	101	59	18	542	564	1,816	60	-	-	3,239
1985	70	67	66	33	586	391	2,007	5	-	-	3,225
1986	44	69	76	43	568	360	1,526	37	-	-	2,723
1987	78	45	18	40	664	327	1,418	27	-	-	2,617
1988	72	62	55	74	445	248	1,545	39	-	-	2,540
1989	66	44	51	68	501	212	1,472	29	-	-	2,443
Employes 1990	33	33	50	64	407	225	1,404	42	-	-	2,258
1991	-	71	55	44	463	242	1,397	17	-	-	2,289
1992	74	59	46	48	463	293	1,498	16	-	-	2,497
1993	69	52	34	26	410	295	1,272	-	-	-	2,158