

**COMMONWEALTH OF PENNSYLVANIA**

**RAYMOND P. SHAFER**

**Governor**



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**DEPARTMENT of MINES and MINERAL INDUSTRIES**

**H. B. CHARMBURY**

**Secretary**

**ANTHRACITE and BITUMINOUS DIVISION**

**1969**

**ANNUAL REPORT**

**Harrisburg**

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H. B. CHARMBURY  
THE SECRETARY



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF MINES AND  
MINERAL INDUSTRIES  
HARRISBURG

April 15, 1970

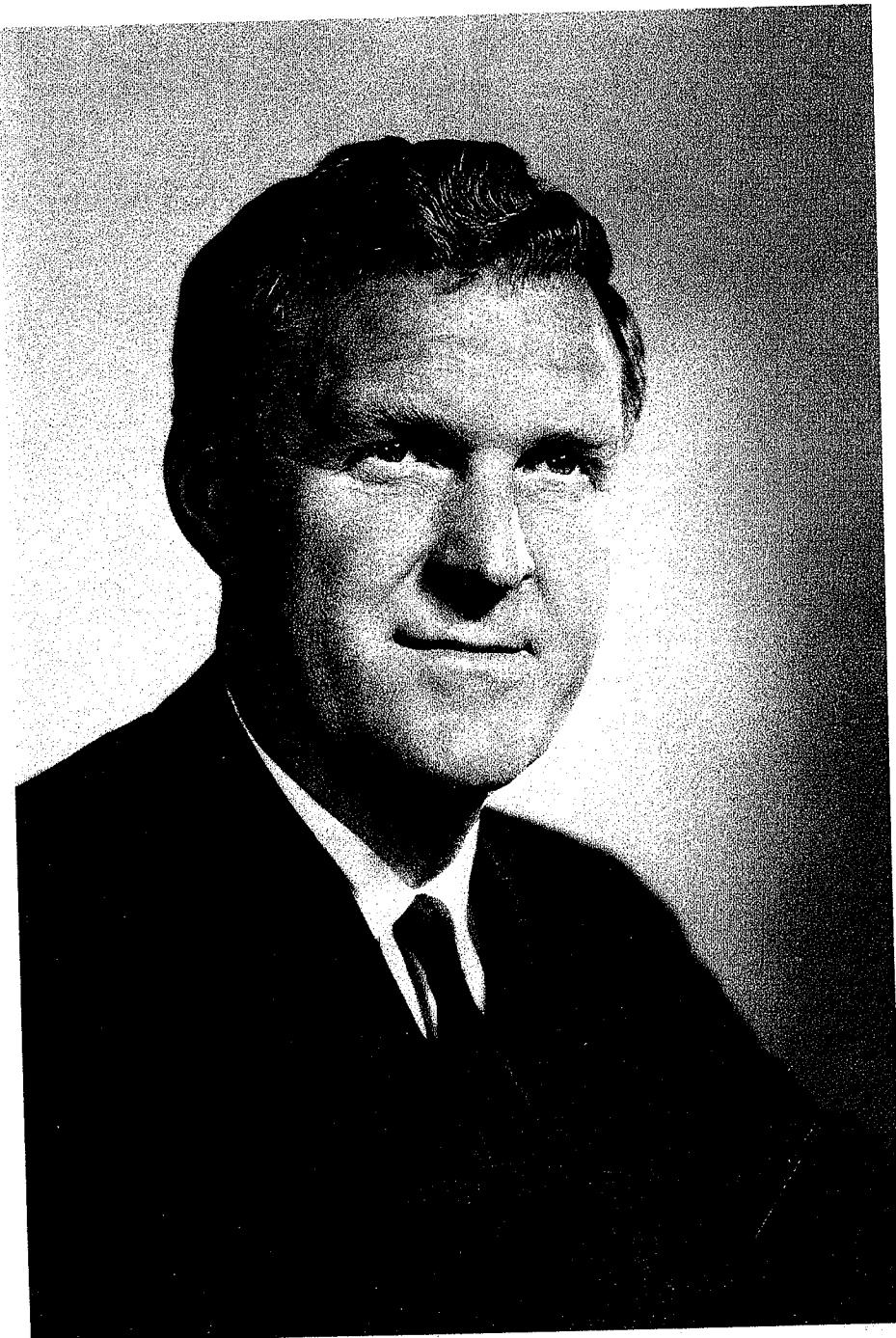
The Honorable Raymond P. Shafer  
Governor  
Commonwealth of Pennsylvania  
Harrisburg, Pennsylvania

Dear Governor Shafer:

In compliance with the Act of April 14, 1903, I transmit herewith the Report of the Department of Mines and Mineral Industries for the year ending December 31, 1969, covering in detail the operations in the Anthracite and Bituminous Coal Divisions of Pennsylvania.

Respectfully submitted,

*H. B. Chambury*  
H. B. Chambury



**RAYMOND PHILIP SHAFER**  
GOVERNOR, COMMONWEALTH OF PENNSYLVANIA

Pennsylvania's Governor Raymond Philip Shafer was born March 5, 1917, in New Castle, Pennsylvania, and raised in Meadville where he attended the public schools. At his high school commencement in 1934 he proved that a star basketball player could be class valedictorian.

His athletic-academic abilities were displayed on a greater scale at Allegheny College. A political science major, he made Phi Beta Kappa, won nine varsity letters (basketball, soccer and track), was class president each year and was the student body president in his senior year.

After graduation in 1938 he went to Yale Law School. Members of his law fraternity included future Governor Scranton, two future U. S. Supreme Court Justices (Stewart and White), a future U. S. Senator (Dominick, Colorado), future author (Walter S. Lord) and others who made their mark on the national scene. LIFE magazine in 1966 reprinted this extraordinary group's portrait taken in 1940. Shafer had then become Lieutenant Governor of Pennsylvania and was the Republican nominee for Governor.

After getting his law degree in June 1941, Shafer, the following month, married his college sweetheart, Jane Harris Davies of Pittsburgh. In August the couple moved to New York City where Shafer was associated with Secretary of War Stimson's law firm (Winthrop, Stimson, Putnam and Roberts). In 1942 he was commissioned an ensign in the Navy. Before returning to inactive duty in 1945, he had logged over 80 combat missions in PT Boats, brought General MacArthur back to Corregidor in fulfillment of the famous promise, and had added the Bronze Star and the Purple Heart to his campaign medals. The official U. S. Navy Volume on PT-Boat Operations carries a photograph of Shafer, aboard a rubber raft, evacuating paratroopers pinned down by sniper fire on a small Pacific Island.

After the war, Shafer returned to Meadville to practice law. He was affiliated with the office of the late former Judge Mook, and subsequently became a partner in the firm of Thomas, Shafer, Dornhaffer and Swick. He taught business law at Allegheny College while practicing. In 1947 he was elected district attorney of Crawford County on both tickets, a feat he repeated in 1951. In 1958 he was elected to the Pennsylvania Senate, representing Mercer and Crawford Counties. In 1962 he was elected Lieutenant Governor of Pennsylvania, and two years later was the acting Chairman of the Pennsylvania delegation to the 1964 Republican National Convention in San Francisco. In November 1966 he was elected Governor, marking the first time in Pennsylvania's political history that a lieutenant governor successfully ran for the highest office.

An ardent sportsman, Governor Shafer is a top-flight golfer. His civic activities are legion. He holds memberships in many community and fraternal organizations, together with his professional associations as a member of the Bar.

Governor and Mrs. Shafer have three children: Diane, Raymond, Jr., and Jane as well as two grandchildren—(grandson) "Flip", age seven (son of Raymond, Jr.) and (granddaughter) Shona Elizabeth (born February 15, 1970), daughter of Diane.



**DR. H. B. CHARMBURY**  
PENNSYLVANIA SECRETARY OF MINES  
AND MINERAL INDUSTRIES

Pennsylvania's Secretary of Mines and Mineral Industries, Dr. H. Beecher Charmbury, was born September 21, 1914 in Hanover, Pennsylvania, and educated in Hanover public schools.

Dr. Charmbury commands a wealth of professional education and experience in his post as Secretary of Mines and Mineral Industries.

He was first appointed to this position by former Governor William W. Scranton in January, 1963, and subsequently reappointed by present Governor Raymond P. Shafer in December, 1966.

He received his A. B. degree in chemistry, cum laude, from Gettysburg College in 1936, and his Master's degree in chemistry from Pennsylvania University the following year. He was awarded his Ph. D. degree in Fuel Technology from the Pennsylvania State University in 1942. He was also awarded his Sc. D. at Gettysburg College in June 1969.

Prior to his appointment as Secretary of Mines and Mineral Industries, Dr. Charmbury has been associated with The Pennsylvania State University since 1937 and currently is on leave of absence from that school. He started out as a research assistant in the Department of Petroleum and Natural Gas, and from there went on to become Professor and Head of the Department of Mineral Preparation at Penn State in 1953.

He was one of the first people to be invited as a lecturer at the Third International Coal Preparation Congress in Liege, Belgium in 1958, and was also a lecturer at the First European Symposium on Coal Size Reduction in Frankfurt, Germany in 1962.

The firms to which he has been a consultant on problems related to coal, metallic and non-metallic minerals, as well as air pollution, reads like a blue chip list of American industry. A partial list includes the Molybdenum Corporation of America; Rochester and Pittsburgh Coal Company; Esso Research and Engineering Company; The Babcock and Wilcox Company; The American Tool and Supply Company; The Lampa Mining Company, Ltd.; Corn Products Company; "Rock Products" (Maclean-Hunter Publications); and Titan Metal Manufacturing Company. In addition he has also served as consultant to many municipalities on similar problems.

He has authored numerous articles on coal and other mineral technology for such publications as "Mechanization", "Utilization", "Rock Products", "Mineral Industries", "Brick and Clay Record", and "Mining Engineering". Many of his technical papers have been translated and reprinted abroad in German, French and Chinese publications.

As a renowned authority on coal, its preparation and usage, as well as other minerals, Dr. Charmbury has also presented technical papers before such conclaves as the American Mining Congress, the American Chemical Society, and the National Association of Industrial and Mechanical Engineers.

He is listed in *American Men of Science*, *Who's Who in American Education*, *Who's Who in Engineering*, *Who's Who in the East*, and *Leaders in American Science*.

As Secretary of Mines and Mineral Industries in Pennsylvania, Dr. Charmbury serves as chairman of the following boards and commissions: Bituminous Land Reclamation Board; Coal Research Board; State Mine Subsidence Insurance Fund; Oil and Gas Conservation Commission; Anthracite and Bituminous State Mine Inspectors' Examining Board; Oil and Gas Inspectors' Examining Board; and the Anthracite Mine Drainage Commission.

In addition, he is vice-chairman of the Anthracite Allocation Committee as well as a member of the State's Sanitary Water Board and the Air Pollution Commission. He also is a member of the Board of Trustees for the Pennsylvania State University.

He is a member of the Lutheran Church, A. F. & A. M., and a past exalted ruler and past district deputy grand exalted ruler of the B. P. O. Elks. He currently serves as a National Grand Trustee to this fraternal order.



This strip mine reclamation project, in Northumberland County, is typical of the kind of restoration being performed by both the active surface mining industry as well as by the Commonwealth Department of Mines in its 'Scarfift' action program. This area is in the Ferndale section near Shamokin.

## A REPORT ON THE ACCOMPLISHMENTS OF PENNSYLVANIA'S DEPARTMENT OF MINES AND MINERAL INDUSTRIES DURING 1969

by

**Dr. H. B. Charmbury, Secretary**

Tremendous progress has been made over the past year in areas of this Department's primary concern.

For example, Pennsylvania's coal industry has not only made the Commonwealth the electricity capital of the nation, but it is also the best example in the state of an industry that's doing a good job in complying with our air and stream pollution laws.

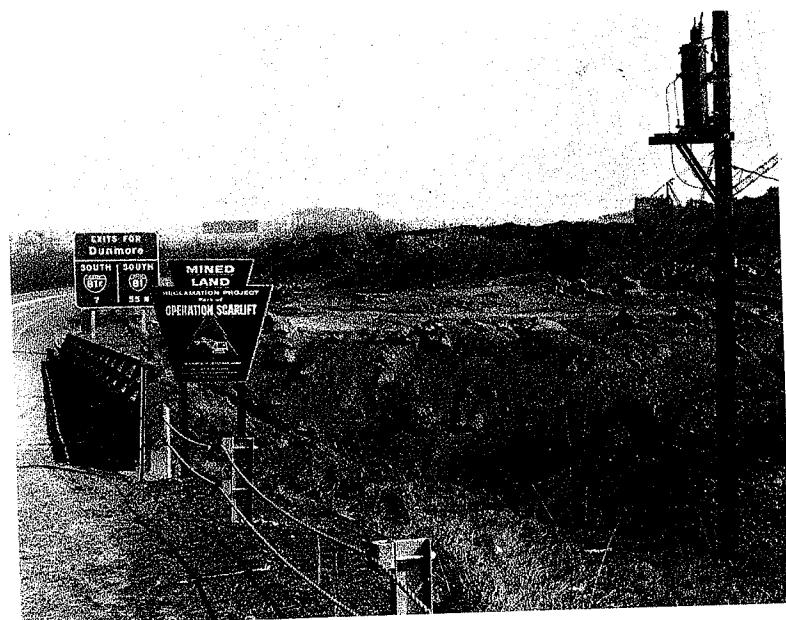
**Two of my main** objectives when I first became Secretary of Mines and Mineral Industries back in 1963, were to do all I could to help the coal industry make Pennsylvania the electric power producing capital, and to see to it that the technological answers to this industry's air and stream pollution problems were provided.

I am most happy to report that both of those goals have been overwhelmingly realized during the past year.

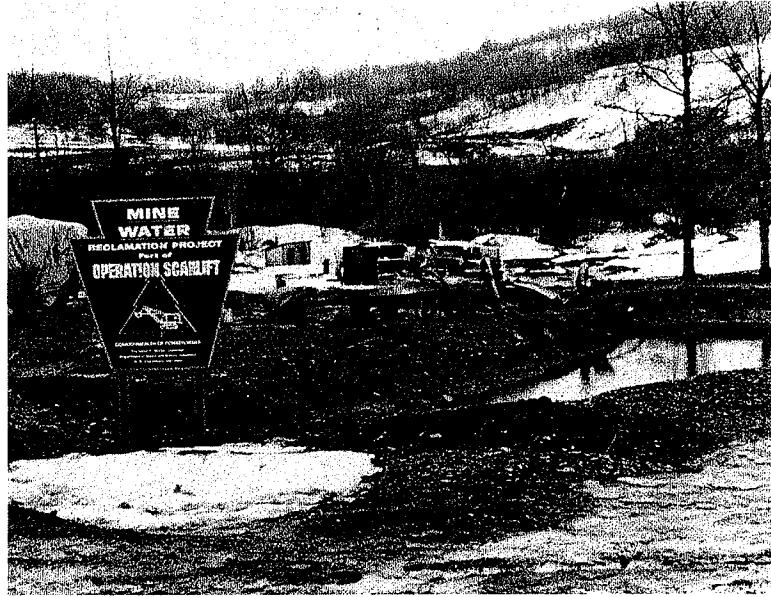
By and large, the coal industry of Pennsylvania, at least, has succeeded in reversing its former image as a wholesale contributor to the air and water pollution problems confronting our State. We're still fighting scars from the past, and we're making great strides in correcting them, too. But future generations of Pennsylvanians should not have to worry about the current coal industry from a pollution standpoint.

**As a member of** both the Sanitary Water Board and Air Pollution Commission, I have seen three major factors at work during the past year which, to my way of thinking, have all but eliminated the surface and deep coal mine industries from the roles of major industrial polluters in Pennsylvania. These are 1. our strong, but fair anti-pollution laws, 2. a healthy attitude on the part of the overall coal industry to comply with those laws, and 3. strong, but equally fair, enforcement by our own Department of Mines and Mineral Industries.

These factors may not exist in other coal mining states, in fact, I'm sure they don't all prevail at the same time. But they have all been combined in Pennsylvania to make our state a showcase of conservation achievement for the rest of the nation. For example, during the past year, our Department was host on several field trips to sportsmen, officials, and even other coal industry representatives from West Virginia, Kentucky, Tennessee, Ohio and the TVA. On each of these occasions, the visitors expressed amazement over the technology that was manifested and the progress we have made in the areas of strip mine land reclamation and mine acid water control under our present laws.



In June, 1967, workmen from the Department of Mines and Mineral Industries installed the 'Scarlift' project sign along I-81 and near the bank, signifying the beginning of the end for this mountain of air pollution. Bank temperatures ranged well over a thousand degrees. Lower photo shows area as it looked near project's end.



The Department's abandoned mine water reclamation segment of 'Scarlift' got a boost during 1968 with the purchase and deployment of five "fire engine" portable neutralization plants. Used for emergency purposes throughout both the Anthracite and Bituminous regions, these little plants are proving significant in prevention of huge acid drainage "slugs" which materially affect aquatic life in our streams and rivers. Photos show two of the portable plants in use at Hillsdale, Grant Township, Indiana County.

**By way of review** of the past year, current surface or strip mine operators in the state restored 9,306 acres of despoiled lands during their active mining operations in 1969. They have averaged close to 10,000 acres per year in restoration for the past four years. Anthracite strip mine operators restored 432.56 acres in 1969.

In addition, deep coal mine operators now have some 140 treatment plants onstream in controlling their mine water wastes, while applications for another 204 such plants are now before the state for approval.

Not only that, but solid coal wastes or refuse from these active deep mines are being deposited, compacted, covered, and then seeded with suitable plant life so as not to create any new mountainous banks that are unsightly and potential air pollution hazards, too.

**Bituminous coal production** went up over the previous year, from 75,714,611 tons to 78,185,036 tons through 1969.

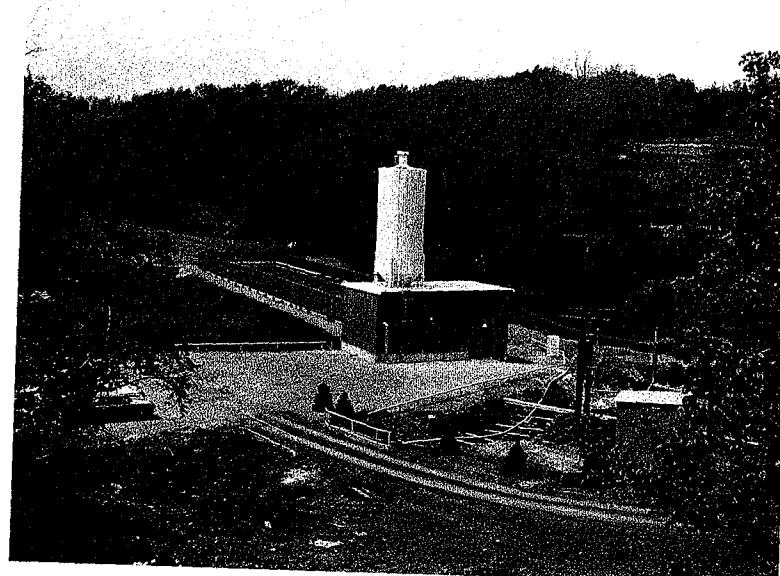
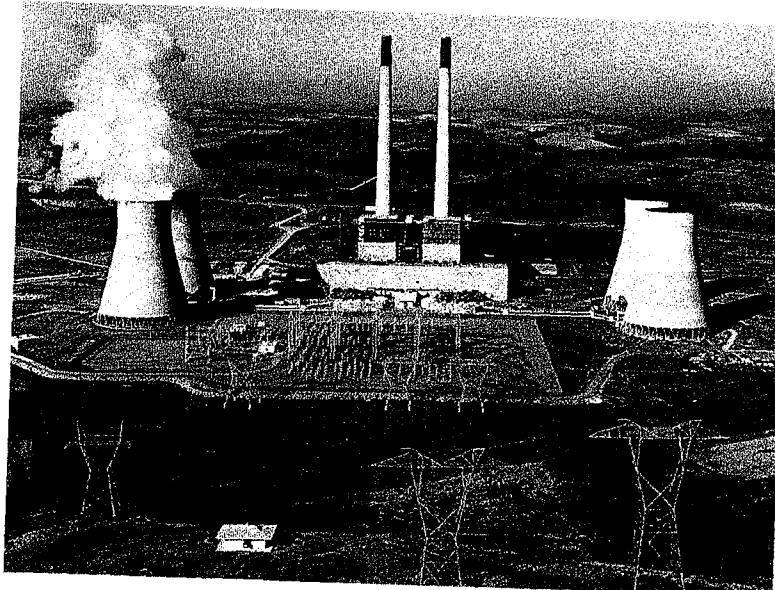
The future of the coal-by-wire concept has also never been brighter due to the instant success of mine-mouth power installations and the unit coal train. As evidence, witness the fact that the Penn Central Railroad is now carrying Pennsylvania-mined bituminous coal to 51 different electric power stations scattered throughout the northeastern United States. These coal-burning installations have a combined power output of 24,304,320 KW.

Of that total, the Chestnut Ridge energy center located in the central highlands area of Pennsylvania is producing 6,757,130 KW, and that surpasses the combined output of Niagara Falls, Grand Coulee and Hoover Dams. Chestnut Ridge is made up of eight mine-mouth power installations, such as the Conemaugh complex near Johnstown and the Keystone complex near Indiana, Pennsylvania. These mine-mouth power installations are currently employing 10,000 men, and by 1975, it is estimated that they will be employing 14,000 men all told. Coal production in the central highlands area totalled 26 million tons in 1965, and I expect that figure will be doubled by 1975 when planned new mine-mouth installations go into operation.

On the other hand, anthracite production continued its downward trend, however, due to market failures experienced over the past years. Through 1969, only 10,165,805 tons were produced, while 11,025,482 tons were produced during the corresponding period in 1968.

**Control of dust** and gas accumulations in the deep mines through better ventilation procedures, along with more rigid roof control, remain pressing problems. Critical, too, is the urgency of finding trained manpower to fulfill the coal industry's market commitments in the months and years ahead, but unquestionably a key factor as to whether or not the industry finds that much needed manpower will be the intensity of our combined efforts to minimize the hazards created by dust, gas and roof falls.

During 1970, I intend to see that research we began two years ago on these problems is completed and brought to the work faces in the mines so that we can prove or disapprove the results.



**KEYSTONE GENERATING STATION** every hour converts 650 tons of Central Pennsylvania coal into 1,800,000 kilowatt-hours of electricity for transmission to 5,000,000 customers of its seven owning private utilities in Pennsylvania, Maryland, New Jersey, Delaware, Virginia and the District of Columbia. It is the bellwether of a huge energy development which makes Chestnut Ridge the most powerful energy center in the nation. PHOTO BELOW shows typical example of a coal treating mine waste water in Commonwealth by the state's coal companies. This plant, owned by Pittsburgh Coal Division of Consol, neutralizes some 1.1 million gallons per day from the Montour No. 4 mine in Washington County.

We must find the answers, and we will, just as we did on acid mine drainage.

**Our progress in** mine area restoration work during the past year is also nothing less than a landmark conservation achievement which has vaulted Pennsylvania to the point of being 10 years ahead of other states plagued by similar problems.

In this regard, there is no question in my mind, that what Pennsylvania has accomplished and the progress we have made in attacking mine drainage pollution and air pollution from burning refuse banks constitutes not only a technological breakthrough, but a major scientific contribution to the world, wherever coal is or has been mined.

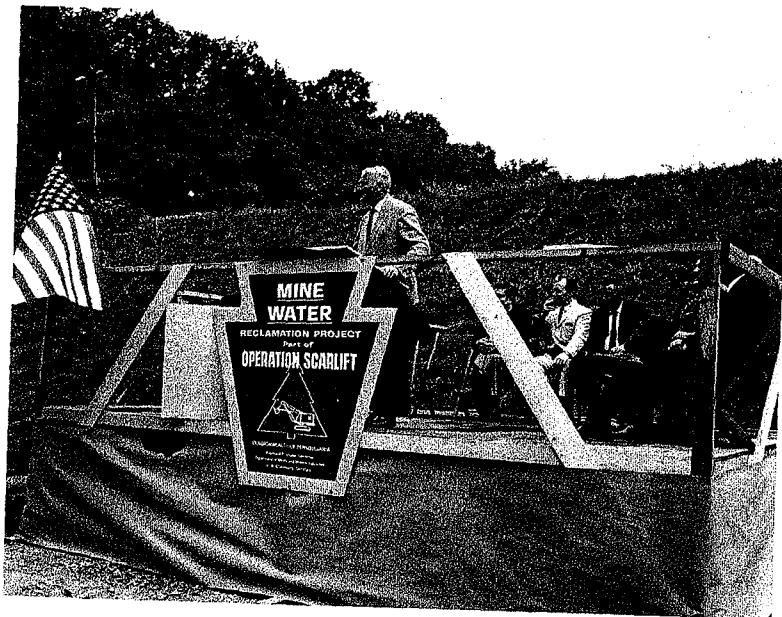
I must credit the \$500 million Land and Water Conservation Act (Project 500), which provides our Department with \$200 million in project money over a 10-year span, as the financial catalyst which is helping us to transform the coal regions of our State from an area of blight, to one of new industrial and tourist potential. Without the bond issue money, which is our principal source of funds, we would be just like the other coal mining states—and that is nowhere when it comes to comprehensive action and results.

**The rest of the Nation** seems to be just now awakening to the critical need for environmental pollution controls, while we have been working in the field for the past seven years doing something about them. If the Nation, as President Nixon has indicated, is going to undertake an all-out effort on air and water pollution control, then certainly Pennsylvania's progress over the past few years on these matters should put us in the best position of any of the states to achieve maximum results.

Depending on the Federal money allocated in the years ahead, and what's equally important, the dispatch with which that money reaches the State agencies to do the job, we can foresee the time within the next 10 years when Pennsylvania's coal regions will truly enhance the overall beauty of the state, not detract from it.

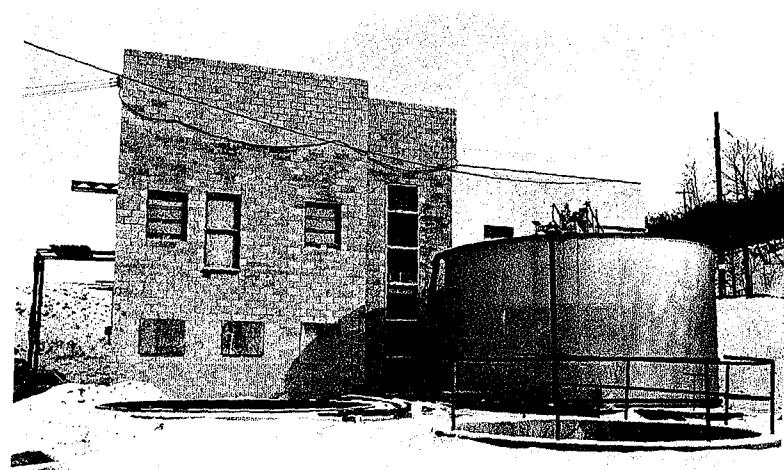
**Our Department successfully** completed a total of 99 anthracite and bituminous mine area reclamation projects under 'Operation Scarlift' during 1969, at a cost of \$6,703,086. Besides the bond issue, additional funds for this program were supplied to the Department from direct allocations by the legislature, matching grants from the federal government and Coal Research Board field-demonstration type grants.

Of the total, there were 28 stream pollution abatement projects completed at a cost of \$585,836; eight air pollution elimination projects (burning refuse banks), extinguished at a cost of \$2,430,258.03; 10 mine subsidence prevention projects completed at a cost of \$2,065,825.41; 14 underground mine fire extinguishment projects completed at a cost of \$1,309,826.33; 13 strip mine reclamation projects completed on public lands at a cost of \$286,879.75; and 26 abandoned deep mine openings sealed at a cost of \$24,457.05.



DR. CHARMBURY DEDICATES NEW BURGETTSTOWN PLANT

Mines Secretary H. B. Charmbury tells crowd assembled for groundbreaking "This new plant signifies the dawn of a golden era of conservation for Pennsylvania". Burgettstown plant will purify up to a million gallons daily of mine drainage polluted Raccoon Creek which flows into Dinsmore Reservoir, and is main supply source of Smith Township Water Authority. Photo below shows plant near completion. It will be dedicated in the summer of 1970.



BURGETTSTOWN  
ION EXCHANGE  
TREATMENT PLANT  
Smith Township  
Water Authority



# **ANTHRACITE DIVISION STATISTICAL REPORTS**

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF MINES AND MINERAL INDUSTRIES  
ANTHRACITE DIVISION  
TOTAL PRODUCTION OF COAL, PRODUCTION FROM STRIPPINGS AND WASHERIES  
EMPLOYEES, FATALITIES, ETC.  
1870 - 1969

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Fatalities	Production per fatality	Fatalities per million tons	No. of inspectors
	#	#	#	#	#	#	#
1870	11,172,004			35,600	211	67,166	11.89
1871	15,532,252			37,488	210	73,963	13.52
1872	15,567,973			44,715	223	69,811	14.32
1873	21,001,521			48,199	264	79,551	12.57
1874	19,930,240			53,402	231	86,278	11.59
1875	23,402,646			69,966	238	98,330	10.17
1876	23,440,666			70,474	228	102,810	9.73
1877	24,727,213			66,812	191	127,160	7.85
1878	20,900,966			63,964	187	111,770	8.95
1879	31,036,600			68,817	262	118,160	8.44
1880	27,974,532			73,373	202	138,488	7.22
1881	34,202,558			76,031	273	125,284	7.98
1882	35,057,430			82,200	295	118,839	8.41
1883	37,747,369			91,421	323	116,865	8.56
1884	36,468,738			101,073	332	109,846	9.10
1885	38,232,155			100,320	332	115,157	8.68
1886	38,950,932			103,044	279	139,609	7.16
1887	42,156,300			106,517	316	133,106	7.50
1888	46,635,037			122,218	361	128,118	7.81
1889	43,650,768			119,616	397	109,952	9.09
1890	44,986,286			119,919	378	119,011	8.40
1891	49,701,322			123,308	428	116,125	8.61
1892	51,226,978			130,300	418	122,553	8.16
1893	52,811,110			138,069	456	115,880	8.63
1894	50,966,920	386,960		139,939	416	114,276	8.75
1895	56,918,756	386,534		143,705	421	135,270	7.39
1896	53,813,250	527,809		150,088	502	107,257	9.32
1897	52,581,036	732,713		149,557	423	124,305	8.04
1898	52,812,675	697,759		142,420	411	129,498	7.78
1899	60,518,331	1,055,426		140,604	461	131,276	7.62
1900	57,363,396	1,818,170		143,824	411	139,570	7.16
1901	67,094,665	2,009,864		147,651	513	130,789	7.65
1902	41,340,935	2,965,792		148,139	300	137,803	7.26
1903	75,232,585	4,115,258		151,827	518	145,237	6.89
1904	73,594,369	3,440,420		161,330	595	123,688	8.08
1905	78,617,020	3,897,688		168,254	614	122,123	8.19
1906	72,139,510	4,880,402		166,175	557	129,514	7.72
1907	86,056,412	5,630,169		168,774	708	121,549	8.23
1908	83,513,243	4,635,923		171,503	678	123,220	8.12
1909	80,223,833	5,206,562		171,195	567	141,188	7.07
1910	83,683,994	5,412,167		168,175	601	139,241	7.18
1911	90,917,176	4,555,457		173,338	699	130,067	7.69
1912	81,426,869	4,317,161		175,098	601	140,177	7.12
1913	91,626,964	2,934,157		175,310	621	146,838	6.81
1914	91,189,641	2,702,537		180,899	600	151,983	6.58
1915	89,377,706	3,418,427		177,339	588	152,003	6.58
1916	87,680,198	4,432,606		159,169	565	155,186	6.44
1917	100,445,299	6,408,277		156,118	581	172,883	5.78
1918	99,445,794	7,246,454		148,226	556	178,859	5.59
1919	87,838,024	3,616,675		153,780	636	138,110	7.24
1920	89,636,036	5,435,697		149,117	490	182,931	5.47
1921	90,358,642	1,842,096		161,926	516	165,192	6.01
1922	53,910,201	2,925,402		159,880	300	179,701	5.56
1923	92,653,641	4,212,001		158,764	515	179,910	5.56
1924	87,277,449	1,141,796		162,503	496	175,963	5.68
1925	61,334,145	894,187		163,825	401	152,953	6.54
1926	83,874,500	1,365,175		168,734	455	184,340	5.42
1927	79,367,154	1,841,440		167,618	492	161,315	6.20
1928	71,552,312	1,611,863		160,721	447	166,784	6.00
1929	72,985,814	878,599		153,422	483	151,109	6.62
1930	68,776,559	890,389		151,171	444	154,902	6.46
1931	59,115,387	1,468,572		138,400	384	153,946	6.50

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Employees	Fatalities	Production per million persons	Fatalities per ton	No. of injuries
1922	49,501,511	1,062,922	3,355,916	119,180	213	203,710	4.91	21
1923	49,507,577	2,090,966	4,308,811	102,169	232	213,295	4.69	21
1931	56,788,951	1,516,393	4,161,894	106,251	260	216,458	4.58	19
1932	51,359,111	1,876,700	4,962,511	100,539	267	192,296	5.20	17
1935	46,261,016	1,411,908	3,757,678	99,704	211	225,162	4.44	16
1937	51,700,296	1,882,056	5,044,052	99,117	212	213,859	4.10	22
1938	46,269,511	2,031,424	5,080,344	96,998	223	207,487	4.62	20
1939	51,399,707	2,317,269	5,308,049	93,352	210	214,761	4.09	24
1940	51,328,454	2,559,200	6,010,364	90,370	182	283,112	3.53	23
1941	53,914,177	3,689,536	7,835,205	88,019	189	285,108	3.50	22
1942	57,939,629	4,045,970	9,657,307	83,707	225	257,509	3.68	22
1943	51,521,730	4,823,114	11,081,087	79,369	218	277,577	3.60	23
1944	64,112,569	7,715,860	8,688,996	79,369	218	277,577	3.60	23
1945	55,901,235	10,521,401	10,925,619	78,415	171	370,927	2.67	24
1946	61,978,710	9,154,425	10,521,174	76,365	137	408,038	2.45	23
1947	62,912,992	9,214,678	12,912,992	80,359	169	366,738	2.73	24
1948	7,076,796	7,076,796	12,691,382	80,730	165	352,897	2.83	24
1949	59,100,810	6,735,668	13,468,337	80,390	131	453,890	2.22	22
1950	7,715,118	4,027,219	12,291,225	75,231	86	536,829	1.86	26
1951	41,389,955	4,843,834	11,376,393	70,357	94	450,927	2.22	25
1952	40,067,120	4,110,495	11,015,085	66,483	92	435,512	2.30	25
1953	30,495,391	3,892,083	8,883,984	56,952	59	510,871	1.93	25
1954	26,613,312	3,055,528	7,852,886	44,731	47	566,219	1.76	24
1955**	25,915,792	3,618,221	7,866,029	37,997	60	432,217	2.31	20
1956	26,175,633	4,336,168	8,439,828	20,365,737	9,774,216 a	49,383	7,030	24
1957	25,151,152	4,026,366	176,960	9,198,552	23,377,666	4,815,235	9,885,719 b	36,684
1958	4,026,366	505,558	9,259,463	22,672,016	4,499,464	11,242,175 c	50,844	124,791
1959	1,507,615	2,981,446	7,711,152	7,003,442	4,499,464	11,822,153 d	49,179	5,602
1960	17,721,113	3,006,803	9,119,647	20,438,372	5,767,112	13,520,162 e	49,113	53,399,707
1961	16,506,612	2,118,433	1,400,758	21,039,166	5,469,278	10,761,971	179,134	216,010
1962	16,496,371	2,829,421	8,427,467	22,327,982	5,208,201	12,333,046	213,047	51,359,111
1963	17,111,202	2,965,213	1,425,871	8,117,109	22,487,109	4,601,212	11,461,515	19,169
1964	16,524,687	3,013,307	1,471,817	8,119,647	22,487,109	4,601,212	11,461,515	51,269,511
1965	2,611,189	5,998,536	10,254	8,610,881	21,591,846	6,937,310	17,396,092 f	10,977
1966	12,031,375	2,652,558	3,006,803	7,139,743	20,269	506,318	13,538,194 j	73,037
1967	11,552,441	3,335,457	1,411,185	2,829,421	16,971	866,769	13,538,194 j	3,484
1968	11,025,482	3,571,862	4,918,353	6,912,375	11,704	26	16,690	60,511,730
1969	10,165,805	3,319,018	6,602	4,756,370	11,704	26	16,690	61,112,589
Total production (net tons)	2,651,820	1,014,724	1,113,018	20,392,000	34,711,150	7,207,205	655,000	45,759
produc-	1,751,134	685,253	15,312,853	27,456,102	6,749,282	15,673,224	61,071	61,978,710
tion	1,886,084	865,424	12,768,631	23,766,625	5,728,763	12,925,765	75,512	59,115,387
(net tons)	1,821,911	497,966	673,078	11,729,255	13,327,982	4,679,188	10,479,627	157,506
1941	2,057,670	631,835	12,440,808	21,438,372	5,767,112	12,911,938	189,070	179,236
1942	1,703,018	824,803	549,167	10,437,254	21,059,166	5,469,278	10,761,971	216,010
1943	1,873,797	1,546,114	400,758	11,154,691	21,315,049	5,208,201	12,333,046	51,269,511
1944	2,076,398	1,251,014	484,403	9,117,109	22,487,109	4,601,212	11,461,515	19,169
1945	1,947,771	1,157,913	425,871	8,139,828	20,365,737	4,090,787	9,774,216 a	46,269,511
1946	2,157,348	1,026,366	176,960	9,198,552	23,377,666	4,815,235	9,885,719 b	5,602
1947	2,511,152	1,067,473	345,515	8,973,827	24,316,181	4,934,077	11,242,175 c	53,399,707
1948	2,796,798	998,124	57,479	9,314,388	25,767,313	5,295,923	11,822,153 d	49,179
1949	3,150,839	861,015	229,826	9,119,647	24,082,663	5,463,150	13,520,162 e	62,761
1950	3,614,877	1,147,911	299,319	9,427,467	21,810,042	5,713,144	18,831,594 g	17,700,296
1951	3,345,258	1,121,228	292,662	8,083,021	21,073,255	5,001,063	16,731,289 h	187,007
1952	3,166,205	1,457,754	141,800	9,058,331	22,770,658	6,312,793	18,811,399 i	66,152
1953	2,933,809	1,507,884	28,731	8,538,161	21,990,966	6,779,519	16,259,688	123,908
1954	2,801,893	1,679,495	10,254	8,610,881	21,591,846	6,937,310	17,275,574 i	112,415
1955	2,126,682	1,380,732	61,389	6,221,743	15,989,846	5,200,190	13,538,194 j	138,327
1956	1,988,317	1,281,807	52,275	6,526,466	17,112,757	5,211,307	14,066,493 k	167,457
1957	1,891,035	985,177	30,133	5,775,808	11,882,432	5,719,967	13,021,079 m	28,762
1958	1,899,297	760,695	868	5,303,545	13,774,952	5,326,116	12,977,572 n	24,055
1959	1,561,836	745,619	21,811	3,555,642	10,201,927	4,247,561	10,142,880 o	18,085
1960	1,272,419	568,733	52,281	2,903,470	10,675,187	3,283,315	7,836,675	20,238
1961	1,749,692	639,990	212,239	2,594,928	9,921,275	2,749,383	8,057,660 p	9,625
1962	1,746,287	841,201	254,495	3,232,566	9,762,753	3,524,853	8,801,402 q	5,715
1963	1,107,042	850,479	193,499	2,680,409	8,389,265	3,415,614	8,516,317 r	6,841
1964	623,195	888,009	123,861	2,094,170	6,774,033	2,600,831	7,307,839 s	15,174
1965	518,252	692,224	142,720	2,117,827	6,172,748	2,551,604	7,432,081 t	8,052
1966	519,583	474,234	129,002	1,853,008	5,380,696	2,411,599	6,933,916 u	13,828
1967	579,106	464,421	108,542	1,194,971	5,307,953	2,001,278	6,827,844 v	16,534
1968	497,925	411,185	110,384	1,079,459	6,090,572	1,702,891	6,583,012 w	10,786
1969	727,445	445,749	230,324	964,175	6,412,375	2,082,968	6,531,130 x	8,729
1970	551,442	910,704	237,555	879,898	5,649,906	2,267,083	6,011,519 y	15,081
1971	441,826	416,272	196,495	660,558	5,316,676	1,600,886	5,538,420 z	23,096
1972	507,724	299,622	167,568	501,187	4,478,217	1,431,144	4,621,032 aa	20,174
1973	545,089	507,236	162,213	431,073	4,192,283	1,417,420	4,261,992 bb	34,766
1974	533,757	309,860	122,743	558,459	3,476,065	1,680,202	4,297,684	37,159
1975	497,159	327,999	52,613	441,475	3,360,976	1,309,666	4,133,984	40,808

\* Included in total production.  
# No accurate record previous to 1870.  
\$ No accurate record previous to 1894.  
\*\* 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.

## FORTY-ONE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	4,776	2,213	2,043	35,816	63,308	14,660	37,672	708	1,178	99	162,503
1930	4,216	1,757	2,016	36,327	61,114	11,354	33,082	584	457	274	151,171
1931	4,160	1,290	1,766	33,797	59,225	11,326	25,654	586	254	342	138,400
1932	3,870	997	1,657	29,700	50,231	10,084	21,507	703	454	297	119,500
1933	3,392	1,009	1,285	21,375	44,450	7,980	21,517	718	203	510	102,469
1934	4,344	948	1,126	22,954	46,737	8,161	21,062	510	200	209	106,251
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	290	42	20	97,021
1939	4,686	1,943	904	17,875	43,344	7,637	16,494	215	235	19	93,352
1940	4,376	1,664	867	16,860	43,238	7,397	16,039	187	145	17	90,790
1941	4,446	1,489	587	14,974	43,726	6,815	16,615	144	37	16	88,819
1942	4,433	1,486	553	14,388	39,219	6,498	16,945	104	38	13	83,707
1943	4,337	1,316	130	13,064	35,807	6,485	18,052	164	14	*	79,369
Empl- oyes	4,980	1,711	149	12,344	33,660	6,409	18,721	211	*	*	78,145
	4,588	1,954	195	11,400	32,888	5,877	19,127	207	29	*	76,265
	4,599	2,162	300	12,010	31,526	6,124	20,613	181	41	*	80,556
	4,891	2,319	152	12,381	33,869	6,636	20,302	127	53	*	80,730
	4,637	1,963	61	12,222	31,282	6,521	20,523	110	41	*	80,390
	4,420	1,760	83	11,702	35,040	6,009	20,017	104	44	*	79,209
	3,739	1,705	125	11,005	33,176	5,852	19,458	101	70	*	75,231
	3,872	1,496	153	10,410	30,596	5,583	18,159	79	9	*	70,357
	3,279	1,352	40	9,717	28,512	5,538	17,937	63	-	-	66,438
	2,987	1,298	71	8,496	23,974	4,949	15,116	61	-	-	56,952
1954 #	2,197	1,121	203	4,954	14,399	4,380	10,123	20	-	-	44,731
1956	2,092	1,104	210	4,415	14,218	3,169	9,806	7	-	8	35,029
1957	1,892	1,143	191	4,309	12,442	3,239	9,544	7	-	-	32,767
1958	837	1,064	167	3,148	9,612	3,022	8,512	25	3	18	26,738
1959	613	853	208	3,235	8,397	2,857	7,923	22	-	4	24,112
1960	759	583	208	2,937	6,002	2,817	6,928	21	4	10	20,269
1961	319	416	201	2,167	5,126	2,689	5,998	16	3	6	16,971
1962	339	387	223	1,523	4,558	2,115	5,538	13	2	6	14,704
1963	387	366	187	1,239	4,626	1,994	5,497	13	-	14	14,323
1964	334	549	188	1,171	4,538	1,948	4,832	19	-	5	13,584
1965	200	288	159	992	4,167	1,617	4,363	17	3	3	11,839
1966	231	158	117	915	3,428	1,312	3,437	aa	15	5	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

## FORTY-ONE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	1,325,996	498,917	566,352	9,879,932	17,094,203	4,008,190	10,211,942	85,557	350,847	20,205	44,054,141
1930	738,578	257,535	371,794	7,689,354	12,990,705	3,010,032	6,482,976	38,184	52,749	43,458	31,675,665
1931	730,607	230,208	349,013	6,288,064	10,359,168	2,100,810	4,718,290	38,104	46,601	67,618	24,959,113
1932	537,711	160,097	276,268	5,011,732	7,724,183	1,822,717	3,516,543	67,632	25,763	31,228	19,173,874
1933	455,966	157,495	244,098	4,462,932	7,539,709	1,681,984	3,601,752	54,129	38,976	61,680	18,301,721
1934	756,434	206,878	248,595	5,384,563	8,991,190	1,958,718	4,097,156	88,891	53,800	56,430	21,812,955
1935	727,462	178,122	195,668	4,301,651	7,899,403	1,724,106	3,570,398	85,202	87,390	44,585	18,814,287
1936	781,883	367,474	141,498	4,439,859	8,018,873	1,606,329	3,598,172	127,098	4,275	39,496	19,154,957
1937	725,560	378,726	176,737	3,564,769	8,680,115	1,395,236	3,406,363	52,506	13,648	9,714	18,403,374
1938	783,886	372,519	175,918	3,162,859	7,699,347	1,316,707	3,039,160	a	28,581	3,570	3,257
1939	821,611	318,779	185,320	3,225,238	8,234,943	1,403,189	2,888,408	b	21,382	43,656	2,735
1940	789,117	322,265	176,868	3,288,238	7,959,512	1,328,685	3,067,119	c	24,683	20,590	16,979,821
1941	846,859	271,325	129,826	3,063,605	8,586,535	1,479,290	3,260,577	d	27,035	5,708	2,514
1942	1,021,633	349,214	21,313	3,162,164	10,163,813	1,535,344	3,972,274	e	21,884	8,066	9,432
1943	1,156,102	351,130	37,310	3,571,795	9,902,178	1,680,211	4,659,538	f	39,286	3,276	*
1944	1,446,126	500,067	46,488	3,703,717	10,216,301	1,681,792	5,125,620	g	59,589	*	*
1945	1,213,929	522,380	50,878	3,075,875	9,007,593	1,516,281	4,783,602	h	53,892	5,051	*
1946	1,203,296	506,786	22,220	3,308,524	9,599,152	1,572,477	5,179,903	39,356	16,225	*	21,447,339
1947	1,320,100	626,568	2,873	3,382,378	9,602,447	1,790,633	5,639,097	23,233	5,202	*	22,392,531
1948	1,259,080	319,830	12,152	3,409,360	9,611,708	1,725,123	5,130,772	i	28,335	7,704	*
1949	870,672	511,400	9,553	2,618,620	6,578,335	1,405,854	4,338,959	j	12,760	16,320	*
1950	823,173	526,441	21,361	2,511,870	6,612,519	1,961,803	5,035,433	k	14,265	30,131	*
1951	738,600	369,305	27,510	4,240,001	6,110,011	1,693,285	4,340,356	m	13,652	2,250	*
1952	699,734	301,122	10,857	2,011,500	5,989,000	1,119,720	3,790,865	n	12,970	-	13,995,768
1953	502,738	211,212	9,945	1,397,249	4,483,055	880,576	2,676,234	o	8,875	-	10,169,884
1954 #	367,751	161,373	15,110	839,153	3,085,312	9,918,934	2,261,934	p	5,819	-	7,691,116
Man-Days	377,622	152,351	31,613	812,613	3,015,005	519,882	1,768,767	p	1,953	-	6,709,836
	411,199	202,062	45,290	983,114	2,982,331	666,321	2,009,587	q	2,112	514	7,305,590
	267,133	213,100	39,381	825,397	2,364,390	670,183	1,803,776	r	1,820	-	6,185,180
	146,811	181,801	32,798	555,748	8,182,300	558,029	1,574,124	s	4,286	600	3,618
	88,229	142,597	32,261	602,415	1,370,903	535,169	1,382,621	t	2,950	-	4,157,984
	77,790	77,423	33,350	531,703	1,274,306	486,175	1,151,822	u	4,500	340	900
	79,052	69,179	32,200	438,525	1,139,925	408,027	1,119,644	v	4,176	363	696
	79,582	61,902	33,008	299,472	997,943	390,864	1,123,798	w	2,159	368	216
	102,359	55,766	38,158	259,189	1,098,611	432,184	1,100,426	x	1,730	-	2,576
	68,057	101,052	37,552	250,347	1,057,471	408,207	1,002,987	y	1,624	-	3,090,999
1965	35,696	61,212	27,274	166,990	852,831	297,408	811,710	z	2,693	660	360
1966	43,001	37,488	21,965	107,826	729,437	233,234	652,550	aa	2,221	406	30
1967	45,337	61,373	17,150	96,979	675,177	193,816	611,087	bb	3,749	188	1,707,856
1968	52,421	39,626	15,786	100,916	520,398	172,550	593,675	3,762	468	-	1,499,602
1969	61,244	43,544	15,673	85,247	452,572	153,040	558,604	4,850	132	-	1,374,906

## FORTY-ONE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	278	225	277	276	270	273	271	121	298	295	271
1930	175	147	184	212	213	265	196	66	115	159	210
1931	176	178	198	185	175	185	185	66	183	198	180
1932	139	161	167	169	154	181	164	96	57	106	160
1933	134	156	191	209	170	211	167	75	192	127	179
1934	174	218	221	235	192	240	195	174	269	270	206
1935	147	135	193	206	181	222	181	143	217	198	187
1936	112	215	159	224	181	213	188	208	171	181	193
1937	169	202	201	186	190	186	180	123	86	141	186
1938	166	191	192	178	168	176	168 a	103	85	163	171
1939	175	164	205	180	190	194	175 b	100	186	144	185
1940	180	194	204	195	183	180	191 c	132	142	142	187
1941	190	184	221	205	196	217	196 d	188	154	159	199
Aver-											
age											
days											
worked											
1942	230	235	39	211	259	236	234 e	210	212	219	246
1943	267	267	287	273	277	259	258 f	239	234	*	269
1944	293	292	312	300	304	262	274 g	282	*	*	292
1945	265	267	261	270	274	258	250 h	260	174	*	265
1946	262	234	74	275	278	257	251	217	272	*	266
1947	269	270	139	272	283	269	277	183	255	-	277
1948	272	163	199	279	281	265	250 i	202	188	-	268
1949	197	291	115	224	188	234	216 j	123	260	-	207
1950	220	280	195	235	205	280	250 k	140	280	-	220
1951	193	227	180	250	222	240	241 m	192	250	-	233
1952	213	222	224	240	238	210	215 n	206	-	-	211
1953	168	163	140	164	187	178	177 o	146	-	-	179
1954	148	172	210	119	179	232	178	55	-	-	172
1955 #	172	136	156	171	209	119	175 p	97	-	-	179
1956	198	183	216	223	210	210	205 q	306	-	68	209
1957	141	186	206	192	190	207	189	260	-	-	189
1958	175	171	196	161	188	185	185 s	171	200	201	182
1959	144	167	155	186	163	187	175 t	134	-	134	172
1960	102	133	160	181	212	173	166 u	214	85	90	180
1961	227	166	160	202	222	212	192 v	261	121	116	196
1962	235	168	148	197	219	185	203 w	166	184	41	204
1963	264	152	204	209	237	217	200 x	133	-	184	216
1964	204	190	200	214	233	210	208 y	85	-	62	216
1965	187	188	171	168	223	180	196 z	158	220	120	191
1966	186	237	188	118	213	178	190 aa	148	81	10	190
1967	202	268	191	204	224	224	211 bb	250	37	-	218
1968	265	146	205	240	220	226	225	251	78	-	224
1969	216	283	195	207	218	190	214	186	16	-	213

## FORTY-ONE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	11	11	7	125	193	38	110	-	1	-	496
1930	11	-	5	108	164	29	123	-	1	3	444
1931	6	4	4	116	151	32	67	-	1	3	384
1932	3	1	8	59	116	13	42	-	-	1	243
1933	3	-	1	59	110	14	43	2	-	-	232
1934	7	4	2	59	114	24	47	1	2	-	260
1935	4	3	7	50	123	16	61	3	-	-	267
1936	4	-	2	50	137	14	34	-	-	-	241
1937	5	6	9	35	102	15	38	1	-	1	212
1938	6	4	5	49	102	13	44	-	1	-	223
1939	7	5	3	46	108	13	27	-	-	1	210
1940	6	2	3	35	93	10	33	-	-	-	182
1941	8	2	2	37	98	7	35	-	-	189	189
1942	4	6	-	35	128	16	36	-	-	-	225
Fatal-				36	103	13	54	-	-	-	
ities				37	70	15	32	-	-	-	
1943	7	5	1	37	53	13	32	-	-	-	218
1944	12	4	1	27	53	13	32	-	-	171	171
1945	6	6	-	27	79	12	38	1	-	-	138
1946	6	6	-	25	104	13	15	-	-	-	166
1947	4	5	-	19	65	5	34	-	-	-	131
1948	5	3	-	8	60	2	18	-	-	-	92
1949	3	1	-	8	52	9	11	-	-	-	86
1950	4	2	-	13	44	8	22	-	-	-	94
1951	8	3	-	10	37	10	15	-	-	-	92
1952	3	1	-	7	30	3	8	-	-	-	59
1953	1	2	-	5	27	6	12	-	-	-	47
1954 #	5	4	-	7	23	6	14	-	-	-	60
1955	1	1	-	6	24	4	10	-	-	-	54
1956	-	-	1	2	14	4	9	-	-	-	51
1957	3	1	1	7	20	6	14	-	-	-	31
1958	-	-	1	2	15	4	10	-	-	-	46
1959	1	2	-	6	24	4	9	-	-	-	35
1960	1	1	1	11	14	3	14	4	8	-	19
1961	1	-	-	1	10	3	14	9	2	-	26
1962	-	-	-	-	11	1	14	9	3	-	30
1963	1	-	1	-	12	1	14	9	3	-	24
1964	-	-	1	1	7	8	1	8	-	-	8
1965	-	-	2	-	2	2	2	2	-	-	5
1966	-	-	1	-	4	4	3	3	-	-	9
1967	-	-	-	-	2	2	2	3	-	-	4
1968	-	-	-	-	4	4	2	2	-	-	13
1969	-	-	-	-	4	4	1	8	-	-	

## FORTY-ONE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1920	211,347	94,975	159,007	163,139	179,851	189,672	174,893	-	655,000	-	175,563
1930	159,467	-	173,473	111,786	167,415	232,734	127,425	-	91,296	40,994	151,902
1931	314,347	216,356	189,069	110,074	157,395	179,024	192,922	75,542	-	52,502	153,946
1932	607,304	497,966	81,135	108,801	166,621	369,938	249,515	-	-	124,196	203,710
1933	536,803	-	652,057	187,972	180,559	364,479	238,119	63,051	-	-	213,395
1934	293,953	229,380	315,918	210,861	188,056	210,296	274,722	189,070	89,618	-	218,158
1935	425,755	274,934	76,495	208,745	171,213	311,830	176,426	59,711	-	-	192,356
1936	468,449	-	200,379	223,094	155,584	372,014	362,748	-	-	-	225,162
1937	415,280	208,507	53,823	260,500	220,462	306,947	301,620	99,879	-	102,858	243,869
1938	324,629	289,478	85,174	172,211	199,664	314,676	222,111	-	-	-	207,487
1939	359,165	192,869	158,987	199,969	216,460	370,403	366,138	-	124,791	-	214,761
1940	362,558	513,813	166,519	261,556	213,785	149,946	340,672	-	-	-	283,112
1941	300,218	533,736	172,773	212,536	218,127	704,868	337,776	-	-	-	285,408
1942	699,200	166,354	-	266,983	201,307	330,995	375,568	-	-	-	257,509
1943	1,50,120	172,203	-	251,157	233,812	420,242	322,150	-	-	-	277,577
1944	303,740	286,985	299,349	251,796	354,429	382,896	588,581	-	-	-	374,927
1945	557,513	186,871	-	299,371	397,609	284,697	522,853	187,007	-	-	405,081
1946	527,701	242,959	-	335,494	288,236	528,566	495,037	105,862	-	-	366,738
1947	733,452	301,577	-	311,527	211,452	521,504	1,083,979	-	-	-	350,771
1948	560,379	559,832	-	453,204	332,182	1,387,168	508,104	-	-	-	451,212
1949	708,894	1,380,732	-	777,718	266,197	2,600,245	752,121	-	-	-	489,980
1950	497,079	640,904	-	815,808	329,091	579,034	1,278,772	-	-	-	538,829
1951	473,509	328,392	-	444,293	338,237	718,746	591,867	-	-	-	450,917
1952	237,412	152,130	-	530,355	372,296	532,615	589,890	-	-	-	435,512
1953	520,612	749,619	-	507,919	380,064	1,115,854	676,192	-	-	-	516,871
1954	1,272,419	284,366	-	444,781	395,377	1,611,657	979,584	-	-	-	566,219
1955 #	349,938	-	-	518,986	310,040	458,231	671,472	-	-	-	432,247
1956	436,572	-	-	461,795	424,168	587,476	628,672	-	-	-	521,771
1957	369,014	212,620	195,499	382,916	419,163	569,269	851,832	-	-	-	493,401
1958	-	888,009	-	1,047,085	451,602	650,208	811,982	-	-	-	659,886
1959	518,252	346,112	-	357,971	257,197	637,901	1,061,726	-	-	-	427,622
1960	519,583	474,234	-	168,455	384,335	804,866	1,386,229	-	-	-	506,318
1961	579,106	-	-	1,194,971	530,795	668,093	1,703,547	-	-	-	868,769
1962	-	-	-	-	533,688	1,702,891	669,279	-	-	-	631,474
1963	727,455	445,749	-	321,491	534,365	520,742	720,518	-	-	-	580,373
1964	-	208,136	196,495	879,898	807,129	263,385	747,312	-	-	-	688,529
1965	-	-	-	-	2,673,338	1,600,886	2,747,459	-	-	-	1,788,727
1966	-	-	-	-	2,239,108	-	1,541,344	-	-	-	2,406,275
1967	-	-	-	-	1,018,071	708,710	1,119,764	-	-	-	1,283,605
1968	-	-	-	279,229	1,738,032	-	-	-	-	-	2,756,370
1969	-	-	-	-	840,244	1,309,666	516,748	-	-	-	781,985

## FORTY-ONE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1924	8.30	22.05	12.36	12.65	11.29	9.48	10.77	-	2.85	-	11.26
1930	14.89	-	13.45	11.05	12.62	9.63	18.97	-	18.96	69.03	14.02
1931	8.21	17.38	11.46	18.45	14.58	15.23	11.11	26.04	-	14.35	15.39
1932	5.58	6.25	28.96	11.77	15.02	7.13	11.94	-	-	32.02	12.67
1933	6.58	-	4.10	13.22	14.59	8.32	11.94	36.95	-	-	12.68
1934	9.25	19.34	8.05	10.96	12.68	12.25	11.47	11.25	37.17	-	11.90
1935	5.50	16.84	35.77	11.62	15.57	9.28	17.08	35.21	-	-	14.19
1936	5.12	-	14.13	11.26	17.02	8.71	9.45	-	-	-	12.58
1937	6.89	15.84	50.92	9.82	11.75	10.75	11.16	19.04	-	102.94	11.52
1938	7.66	10.74	28.142	15.49	13.25	9.87	11.48	-	-	-	13.45
1939	8.52	15.68	16.19	11.26	13.11	8.76	9.35	-	22.91	-	12.19
1940	7.60	6.21	16.96	10.64	11.68	7.53	10.76	-	-	-	10.72
Fatal- ties per mill- lion man- days	9.45	7.29	15.41	12.08	11.41	4.73	10.73	-	-	-	10.69
1941	3.92	17.18	-	10.11	12.59	10.42	9.06	-	-	-	10.94
1942	6.05	11.24	-	10.08	10.40	7.74	11.59	-	-	-	10.19
1943	8.30	8.00	21.51	-	6.83	8.92	6.24	-	-	-	7.50
1944	14.94	11.49	-	8.78	5.88	8.57	6.69	18.56	-	-	6.82
1945	1.99	11.84	-	8.16	8.23	7.63	7.34	25.41	-	-	7.88
1946	3.03	7.98	-	7.39	10.83	7.26	2.66	-	-	-	7.41
1947	3.97	9.38	-	5.57	6.74	2.90	6.63	-	-	-	6.08
1948	3.15	1.96	-	3.06	9.12	1.42	4.15	-	-	-	5.62
1949	4.86	3.80	-	3.15	7.83	4.59	2.18	-	-	-	4.89
1950	5.42	8.12	-	5.37	7.20	4.72	5.07	-	-	-	5.98
1951	11.43	16.60	-	4.90	6.18	8.70	5.80	-	-	-	6.57
1952	5.97	4.73	-	5.01	6.69	3.11	5.60	-	-	-	5.80
1953	2.72	1.22	-	8.34	8.75	2.11	3.53	-	-	-	6.11
1954 #	13.24	-	-	5.93	10.61	11.54	6.78	-	-	-	8.94
1955	9.66	-	-	7.12	7.71	9.00	6.07	-	-	-	7.39
1956	11.23	18.77	25.39	8.48	8.46	8.95	5.54	-	-	-	8.25
1957	-	5.50	-	3.60	8.28	7.17	5.72	-	-	-	6.37
1958	11.33	14.03	-	9.96	17.51	7.47	6.51	-	-	-	11.06
1959	12.86	12.92	-	20.68	10.99	6.17	4.34	-	-	-	9.62
1960	12.65	-	-	2.28	8.77	7.35	3.47	-	-	-	5.72
1961	9.77	17.93	-	11.57	10.92	9.26	8.18	-	-	-	8.69
1962	-	-	-	-	11.02	2.56	12.46	-	-	-	9.71
1963	32.67	36.66	-	3.99	6.62	19.60	7.98	-	-	-	8.19
1964	-	-	-	-	2.35	3.36	2.46	-	-	-	3.54
1965	-	-	-	-	2.74	-	4.60	-	-	-	2.73
1966	-	-	-	-	5.92	10.13	4.91	-	-	-	5.26
1967	-	-	-	-	-	-	-	-	-	-	2.67
1968	-	-	-	-	-	-	-	-	-	-	9.40
1969	-	-	-	-	-	6.53	14.32	-	-	-	-

EXPLANATION OF SYMBOLS USED IN THIS REPORT

a -	Includes	6,184 tons	13 employees, 124 days and 1,612 man-days	for Lebanon County
b -	"	13,927 "	5	198 " " 290 " " " "
c -	"	17,330 "	13 "	136 " " 1,773 " " " "
d -	"	30,716 "	26	187 " " 4,856 " " " "
e -	"	35,611 "	39	118 " " 4,593 " " " "
f -	"	21,981 "	22	257 " " 5,650 " " " "
g -	"	21,550 "	14	210 " " 2,910 " " " "
h -	"	37,690 "	41	241 " " 9,881 " " " "
i -	"	21,992 "	6	223 " " 1,338 " " " "
j -	"	21,763 "	7	226 " " 1,582 " " " "
k -	"	22,978 "	5	267 " " 1,335 " " " "
m -	"	26,567 "	13	308 " " 2,020 " " " "
n -	"	24,767 "	11	286 " " 2,156 " " " "
o -	"	6,560 "	10	146 " " 460 " " " "
p -	"	3,752 "	20	120 " " 2,180 " " " "
q -	"	6,359 "	22	107 " " 2,358 " " " "
r -	"	3,550 "	11	188 " " 910 " " " "
s -	"	9,106 "	5	98 " " 585 " " " "
t -	"	4,450 "	6	153 " " 910 " " " "
u -	"	2,770 "	3	230 " " 690 " " " "
v -	"	13,654 "	5	72 " " 360 " " " "
w -	"	13,101 "	7	118 " " 821 " " " "
x -	"	26,192 "	15	192 " " 2,893 " " " "
y -	"	33,019 "	14	124 " " 1,737 " " " "
z -	"	43,000 "	10	163 " " 1,630 " " " "
aa -	"	39,237 "	5	70 " " 634 " " " "
bb -	"	2,700 "	"	18 " " 90 " " " "

NOTE: The year 1924 was selected as a normal year, in order that comparison might be made with the depression years that are a part of this report.

\* Not segregated from Lackawanna County.

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

 ANTHRACITE DIVISION  
 PRODUCTION OF COAL, EMPLOYEES AND FATALS BY COUNTY  
 1969

County	Mines Employing Five Or More Persons			Mines Employing Fewer Than Five Persons		Percentage of Total Production	Employees By County			Washery and Breaker	Total Employees	Total Fatalities
	Deep Mined Production	Strip Mined Production	Bank Mined Production	Deep Mined Production	Total Production		Large Deep	Small Deep	Strip	Bank		
Carbon	21,190	262,613	207,856	5,500	497,159	4.89%	17	6	168	71	21	283
Columbia	24,840	289,934	860	12,365	327,999	3.23%	20	19	113	2	-	154
Dauphin	-	-	34,379	18,234	52,613	0.52%	-	32	-	7	41	80
Lackawanna	-	253,172	187,963	340	441,475	4.34%	-	3	229	40	138	410
Lebanon	-	-	-	-	-	-	-	-	-	-	-	-
Luzerne	812,068	1,572,405	976,503	-	3,360,976	33.06%	789	-	530	261	497	2,077
Northumberland	230,718	340,174	672,119	66,655	1,309,666	12.88%	183	94	221	88	220	806
Schuylkill	785,710	1,937,799	1,237,431	173,044	4,133,984	40.67%	551	261	808	236	761	2,617
Sullivan	-	40,026	782	-	40,808	0.40%	-	-	14	1	11	26
Susquehanna	-	-	1,125	-	1,125	0.01%	-	-	-	8	-	8
Wayne	-	-	-	-	-	-	-	-	-	-	-	-
Division Total	1,874,526	4,696,123	3,319,018	276,138	10,165,805	100.00%	1,560	415	2,083	714	1,689	6,461
Percentage of Total Production	18.44%	46.19%	32.65%	2.72%	100.00%							

ANTHRACITE PRODUCTION (DEEP MINED, STRIPPING AND BANK), FATALITIES, PRODUCTION PER FATAL AND EMPLOYES  
BY DISTRICT  
1969

District	Inspector	Deep Mined	Stripping	Bank	Total Production	Fatalities Deep	Fatalities Strip	Fatalities Bank	Total Fatalities	Production Per Fatal	Total Employees
1	T. M. Beaney	-	919,681	-	919,681	-	2	-	2	459,840	516
2	A. J. Latz	-	1,593,607	-	1,593,607	-	1	-	1	1,593,607	673
3	J. R. Ruane	-	1,083,685	-	1,083,685	-	-	-	-	-	512
4	Walter Davis	-	1,099,150	-	1,099,150	-	-	-	-	-	389
5	W. A. Sanders	13,865	-	439,072	452,937	-	-	-	-	-	502
6	A. A. Joyce	781,447	-	356,518	1,137,965	1	-	-	1	1,137,965	900
7	P. P. Hino	26,760	-	1,107,716	1,134,476	-	-	1	1	1,134,476	702
8	Leonard Rogers	75,834	-	335,911	411,745	1	-	-	1	411,745	259
9	G. P. Gallagher	44,972	-	289,788	334,760	-	-	-	-	-	125
10	Leon Brass	142,848	-	34,203	177,051	1	-	-	1	177,051	198
11	C. E. Kashner	112,504	-	61,022	176,526	-	-	-	-	-	188
12	J. J. Stober, Jr.	82,984	-	428,022	511,006	-	-	1	1	511,006	506
13	Joseph Halaburda	122,689	-	126,950	249,639	-	-	-	-	-	238
14	W. D. Maurer	134,700	-	7,579	112,279	1	-	-	1	112,279	155
15	A. E. Hand	337,668	-	91,287	428,955	1	-	-	1	428,955	297
16	C. E. Miller	274,393	-	37,950	312,343	3	-	-	3	104,114	301
Division Total		2,150,664	4,696,123	3,319,018	10,165,805	8	3	2	13	781,985	6,461

SUMMARY OF ANTHRACITE MINES, PRODUCTION AND FATALITIES BY DISTRICT  
1969

District	Inspector	Total Number of Operators	No. of Large Mines	No. of Small Mines*	No. of Deep Mines	No. of Deep Banks	No. of Strip Mines	No. of Strip Banks	No. of Gaseous Atrations	No. of Gaseous Mines	No. of Non-Gaseous Mines	No. of Non-Gaseous Mines	No. of Deep Employees*	No. of Strip Employees*	No. of Breaker Employees*	No. of Deep Breaker Employees*	Machinery & Total Production*	No. of Deep Mined	Strip Mined	Bank Mined	Total Production	Fatalities	Production Per Fatal
1	T. M. Beaney	11	-	-	41	-	41	-	-	-	509	-	7	516	-	-	919,681	-	-	-	459,840	2	459,840
2	A. J. Latz	9	-	-	35	-	35	-	-	-	673	-	-	673	-	-	1,593,607	-	-	-	1,593,607	1	1,593,607
3	J. R. Ruane	21	-	-	80	-	60	-	-	-	512	-	-	512	-	-	1,083,685	-	-	-	1,083,685	-	-
4	Walter Davis	26	-	-	38	-	38	-	-	-	389	-	-	389	-	-	1,099,150	-	-	-	1,099,150	-	-
5	W. A. Sanders	29	1	2	-	22	26	3	1	15	-	224	-	263	502	13,865	-	-	-	439,072	-	-	
6	A. A. Joyce	7	1	-	5	9	4	8	-	765	-	31	900	781,447	-	-	919,681	-	-	-	1,137,965	-	-
7	P. P. Hino	32	10	8	-	32	42	2	8	36	-	198	668	-	702	26,760	-	-	-	1,107,716	-	-	
8	Leonard Rogers	28	19	15	-	8	27	6	13	81	-	47	131	-	259	75,834	-	-	-	1,134,476	1	1,134,476	
9	G. P. Gallagher	21	13	8	-	9	22	6	7	69	-	38	18	125	44,972	-	-	-	289,788	-	-		
10	Leon Brass	28	24	12	-	2	26	6	18	117	-	10	71	198	142,848	-	-	-	34,203	-	-		
11	C. E. Kashner	30	17	7	-	2	19	7	10	95	-	5	88	188	112,504	-	-	-	61,022	-	-		
12	J. J. Stober, Jr.	39	22	14	-	12	34	5	17	111	-	113	282	506	82,984	-	-	-	428,955	1	511,006		
13	Joseph Halaburda	41	29	15	-	7	36	6	23	137	-	25	76	238	122,689	-	-	-	126,950	-	-		
14	W. D. Maurer	23	20	13	-	4	28	2	18	107	-	8	40	155	134,700	-	-	-	7,579	1	112,279		
15	A. E. Hand	53	36	13	-	3	35	12	20	216	-	6	75	297	337,668	-	-	-	91,287	1	428,955		
16	C. E. Miller	43	40	29	-	3	43	12	28	226	-	9	66	301	274,393	-	-	-	37,950	3	104,114		
Division Total		421#	234	136	174#	109	517	71	163	1,975	2,083	714	1,689	6,461	2,150,664	4,696,123	3,319,018	10,165,805	13	781,985			

\* 136 Small Deep Mines are included in the total number of Deep Mines; 415 Small Deep Employees are included in Deep Employees; 276,138 Small Deep Production is included in Deep Mined Production.

# Due to some companies operating in more than one district, the actual total number of Anthracite Operators is 395, including 63 companies operating strip mines.

**Production, How Shipped, Average Days Worked, Employes, Explosives  
Fatal and Non-fatal Accidents**

By Inspection District - 1969

Dis-trict	Production - Net Tons					Pounds					Non-fatal acci-dents	
	Shipped to Market		Sold	Used at		permiss-	Pounds	Days	Empl-	Fatal		
	By railroad	By truck	local trade	colliery	for steam and heat	ible ex-plosives	dynamite used	worked	oyes	accidents		
1	297,358	211,619	378,961	1,713	919,681	6,228,727	1,001,477	243	516	2	11	
2	872,410	512,113	203,101	5,983	1,593,607	-	11,922,463	211	673	1	33	
3	114,232	552,762	115,158	1,533	1,083,685	7,977,910	550	213	512	-	28	
4	529,526	271,444	293,972	1,208	1,099,150	11,811,287	2,125	238	389	-	23	
5	163,365	223,863	63,970	1,739	452,937	7,590	250	191	502	-	16	
6	289,229	659,632	188,517	557	1,137,965	773,750	28,950	233	900	1	126	
7	824,074	179,653	128,894	1,855	1,134,476	10,475	400	181	702	1	38	
8	42,577	316,493	52,588	87	411,715	11,635	12,700	183	259	1	43	
9	63,438	236,039	34,752	531	334,760	31,620	-	200	125	-	1	
10	29,915	101,086	43,018	6	177,051	90,650	675	211	198	1	22	
11	53,225	100,126	23,175	-	176,526	57,015	-	234	188	-	6	
12	208,872	197,208	101,674	252	511,006	52,130	4,200	169	506	1	24	
13	61,832	135,478	51,019	1,310	249,639	116,943	16,875	218	238	-	13	
14	30,988	78,718	31,998	575	112,279	115,860	1,200	239	155	1	19	
15	120,144	221,304	85,518	1,989	428,955	249,125	-	245	297	1	9	
16	57,252	160,202	93,754	1,135	312,343	166,631	12,375	226	301	3	23	
Total	4,058,437	4,193,770	1,893,125	20,473	10,165,805	27,734,348	13,007,240	213	6,461	13	435	

ANTHRACITE DIVISION  
SMALL MINE REPORT - 1969\*

Dis-trict	Number of Small Mine Operators	Number of Small Mines	Number of Men Employed in Small Mines	Small Mine Production	Fatal Acci-dents	Non-fatal Acci-dents or Man-Days
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	2	2	3	340	-	264
6	-	-	-	-	-	-
7	8	8	17	8,258	-	3,478
8	15	15	42	19,409	-	4,865
9	8	8	24	14,656	-	4,798
10	12	12	35	34,730	-	7,407
11	7	7	26	15,420	-	4,626
12	14	14	45	21,096	-	10,991
13	15	15	47	22,054	-	6,570
14	13	13	38	29,881	-	6,378
15	13	13	46	45,457	-	12,120
16	29	29	92	64,837	1	21,582
Total	136	136	415	276,138	1	76,079

\* All figures included in report of Summary of Anthracite Mines, Production and Fatalities by District.

## ANTHRACITE DIVISION

District	Mechanical Loading			Electric Motors			Pumps Delivering Water to Surface		
	Number of Scrapers, Conveyors or Shaker Chutes	Number of Under-cutting or Mining Machines	Number of Loading Machines	Number of Tons Produced by Mechanical Loading	Number of Employees engaged in this class of work	Total Number	Horse-power	Total Number	Number of Gallons delivered per day of 24 hours
1	-	-	-	-	-	12	696	2	14,400,000
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	3	1,750	3	7,261,084
5	15	-	-	13,865	17	713	25,578	1	720,000
6	150	1	7	781,447	338	377	17,759	12	16,054,967
7	5	-	-	23,151	17	822	25,439	8	13,901,970
8	1	-	9	336,982	51	169	5,433	9	4,575,500
9	4	-	11	293,107	41	75	2,486	1	720,000
10	12	-	3	98,942	39	252	4,438	18	206,900
11	10	-	-	42,572	22	301	4,673	21	2,217,833
12	6	-	2	25,361	17	723	19,507	13	106,200
13	20	-	1	52,365	32	269	3,718	13	327,150
14	17	-	1	79,352	34	163	2,951	14	1,056,300
15	17	-	15	179,924	37	292	8,230	47	1,832,150
16	5	-	9	75,220	24	301	6,522	33	1,311,750
Total	262	1	58	2,002,288	669	4,472	129,180	195	64,721,804

SUMMARY OF EMPLOYEES BY DISTRICT  
ANTHRACITE DIVISION--1969

District	INSIDE EMPLOYEES					OUTSIDE EMPLOYEES					GRAND TOTAL	
	Mine Foreman	Miners	Miners Laborers	All Other	Total Inside	Super-intendents	Office	Breaker	All Other	Total Outside	Inside & Outside	
1	-	-	-	-	-	24	6	9	477	516	516	516
2	-	-	-	-	-	44	20	-	609	673	673	673
3	-	-	-	-	-	29	1	-	482	512	512	512
4	-	-	-	-	-	39	3	-	347	389	389	389
5	3	7	7	-	17	26	8	263	188	485	485	502
6	33	182	234	173	622	9	6	104	159	278	278	900
7	12	13	4	-	29	11	1	468	193	673	673	702
8	20	33	6	5	61	5	1	130	59	195	195	259
9	15	30	7	-	52	8	3	18	44	73	73	125
10	26	49	11	4	90	9	2	71	26	108	108	198
11	18	46	10	-	74	-	-	88	26	114	114	188
12	22	56	4	4	86	12	7	282	119	420	420	506
13	35	59	7	-	101	11	1	76	49	137	137	238
14	21	34	16	7	78	1	-	40	36	77	77	155
15	36	106	1	34	177	3	-	75	42	120	120	297
16	56	84	30	2	172	9	1	66	53	129	129	301
Total	297	699	337	229	1,562	240	60	1,690	2,909	4,899	4,899	6,461

## ANTHRACITE DIVISION

OPERATORS PRODUCING 50,000 OR MORE TONS

1969

District	Operator	Production
3-4-7-		
1-12-13	Reading Anthracite Co.	1,123,227
1-2-3-5-		
7-12-15	Lehigh Valley Anthracite, Inc.	938,529
2-7	Jeddo-Highland Coal Co.	862,092
1-5-6	Blue Coal Corporation	761,012
2	Greenwood Stripping Corporation	563,113
6	Glen-Nan Coal Co., Inc.	532,920
6-9-16	Gangloff Brothers	155,419
6	Ken Pollock, Inc.	311,638
7	B-D Mining Co.	261,338
3	Kerris & Hafrick, Inc.	209,452
12-15	Manbeck Dredging Co., Inc.	192,238
2-7	George Hus	182,445
1-15-16	Koher Coal Co., Inc., Leon E.	168,705
1	Northeast Mining Co., Inc.	138,082
1-13	Schuykill Contracting Co.	122,923
8-9-10	State Coal Co., Inc.	110,420
5	C. B. M. Coal Co.	89,825
5	Olphant Premium Anthracite, Inc.	80,133
12	William Schmidram Co.	74,674
1	Carbondale Coal Co.	74,027
5	Popple Coal Sales, Inc., Raymond	73,054
12	Mar. Strip & Construction Co.	71,156
3-7-8	Capparell Stripping & Construction Co.	69,812
11-15	Bush Coal Co.	62,705
2-7	Honeybrook Mines, Inc.	60,878
3	Colley Coal Co., Inc.	60,568
2	Rosini Coal Co.	59,259
	Gowen Coal Co.	51,382

PRODUCTION AND ACCIDENT RECORD  
FOR OPERATORS HAVING A FATALITY  
1969

Operator	Deep Mined	Stripping	Bank	Total Production	Fatal Accidents	Nonfatal Accidents	Production Per Fatal	Employees
				Deep	Strip	Bank	Total	
Lehigh Valley Anthracite, Inc.	-	599,122	339,407	938,529	-	1	1	546
Jeddo-Highland Coal Co.	-	721,623	110,469	862,092	-	1	1	252
Blue Coal Corporation	231,803	507,585	27,624	761,012	-	1	1	766
Greenwood Stripping Corp.	-	562,893	-	562,893	-	1	22	305
Glen-Nan Coal Co., Inc.	532,920	-	-	532,920	1	-	70	369
Rush Coal Co.	62,705	-	-	62,705	1	-	-	31
Hatter Coal Co.	49,817	-	-	49,817	1	-	1	22
Marion Mining Co., Inc.	33,365	-	-	33,365	1	-	-	23
H. & S. Coal Co.	30,008	-	-	30,008	1	-	7	25
Harner Coal Co.	15,181	-	-	15,181	1	-	-	8
Ginther Coal Co.	-	-	28,357	28,357	-	-	-	6
S.B.K. Coal Co.	4,375	-	-	4,375	1	-	-	4
Hornberger Coal Co.	974	-	-	974	1	-	-	3
Total Production for Operators with a fatality	961,148	2,391,223	535,857	3,888,228	8	3	2	2,362
Total Production for Operators without a fatality	1,189,516	2,304,900	2,783,161	6,277,577	-	-	-	4,099
Division Total	2,150,664	4,696,123	3,319,018	10,165,805	8	3	2	6,461

## CAUSES OF ANTHRACITE FATAL ACCIDENTS, BY COUNTY -- 1969

	Carbon	Columbia	Dauphin	Lackawanna	Lebanon	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Wayne	Total	Percentage of total accidents
<u>INSIDE</u>													
Falls of Roof, Face or Sides	-	-	-	-	-	-	-	1	-	-	-	1	7.69%
Methane Gas	-	-	-	-	-	1	-	1	-	-	-	2	15.39%
Rush of Material	-	-	-	-	-	-	-	1	-	-	-	1	7.69%
Fall of Person	-	-	-	-	-	-	-	2	-	-	-	2	15.39%
Transportation	-	-	-	-	-	-	1	1	-	-	-	2	15.39%
Total Inside	-	-	-	-	-	1	1	6	-	-	-	8	61.55%
<u>OUTSIDE</u>													
Transportation	-	-	-	-	-	1	-	1	-	-	-	2	15.39%
Stripping	-	-	-	-	-	2	-	1	-	-	-	3	23.06%
Total Outside	-	-	-	-	-	3	-	2	-	-	-	5	38.45%
GRAND TOTAL	-	-	-	-	-	4	1	8	-	-	-	13	100.00%
Percentage of total Accidents	-	-	-	-	-	30.77%	7.69%	61.54%	-	-	-	-	100.00%

## ANTHRACITE FATAL ACCIDENT VICTIMS -- 1969

Dis-trict	Name of Victim	Victim's Address	Company	Mine	Date of Accident	Cause of Accident
6	John Knaus	Wilkes-Barre	Glen-Nan Coal Co., Inc.	No. 3 Slope	Jan. 20	Methane Gas
8	Walter Balsavage	Girardville	Marion Mining Co., Inc.	Connerton Drift	Feb. 3	Fall of Person(Inside)
16	Kenneth P. Klinger	Hegins	Hatter Coal Co.	Middle Split Slope	Feb. 10	Fall of Person(Inside)
10	Henry Heiser	Mount Carmel	H. & S. Coal Co.	Water Level Drift	Mar. 27	Transportation(Inside)
16	Theodore A. Miller	Schuylkill Haven R.D.	Hornberger Coal Co.	Buck Mountain Slope	Apr. 28	Rush of Material
1	Louis Gonzalez	Wilkes-Barre	Lehigh Valley Anthracite, Inc.	Baltimore Strip	May 15	Stripping (Burns)
2	Peter Lohemitz	Tamaqua	Greenwood Stripping Corp.	Mammoth Strip No.33-1	June 9	Stripping (Truck)
16	Marvin L. Shadle	Hegins	Harner Coal Co., Inc.	Skidmore Slope	July 23	Methane Gas
15	Albert Bush	Tower City	Bush Coal Co.	Top Split Slope	July 25	Transportation(Inside)
7	John Smith	Hazleton	Jeddo-Highland Coal Co.	Jeddo No. 7 Breaker	Aug. 19	Transportation(Outside)
14	Mark Shadie	Hegins	S. B. K. Coal Co.	Buck Mountain Slope	Aug. 29	Fall of Roof
1	Joseph Sikora	Hunlock Creek	Blue Coal Corporation (Kingston Excavating Co.,Cont.)	Wanamie Main St.Strip	Oct. 21	Stripping(Machinery)
12	William Kapes	Hazleton	Ginther Coal Co.	Lucanna Fine Coal Pl.	Oct. 23	Transportation(Outside)

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1969

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 # 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	Hecksher & 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.	Macanaqua	Suffocated by gas from boiler fire	10
	Oct. 21	Plymouth No. 2	D. & H. Coal Co.	Plymouth	Explosion of gas	6
	Dec. 18	Manticoke 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	Funnel	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	5
	Apr. 2	Susquehanna No. 4	Susquehanna Coal Co.	Nanticoke	Explosion of gas	26
1891	May 15	Jersey No. 8	Lehigh & Wilkes-Barre Coal Co.	Ashley	Explosion of gas	7
	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	12
1892	Nov. 8	Susquehanna No. 1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	10
	Apr. 20	Lytle	Lytle Coal Co.	Minersville	Drowned-water from old workings	15
	July 23	York Farm	Lehigh Valley Coal Co.	Pottsville	Explosion of gas	

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1969

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
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
	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
	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.	Rendaham	Mine fire	5
1898	Oct. 30	Von Storch	D. & H. Coal Co.	Scranton	Mine fire	6
	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
1905	Feb. 18	Lytle	Lytle Coal Co.	Minersville	Fall of roof	5
	Mar. 9	Clear Spring	Clear Spring Coal Co.	West Pittston	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
	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	Warrior Run	Lehigh Valley Coal Co.	Wilkes-Barre	Mine cars	6

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1969

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
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 under ground fire	5
	May 27	Cameron	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	5
	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 Co.	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	Lehigh & Wilkes-Barre Coal Co.	Edwardsburg	Explosion of gas	6
1919	June 5	Baltimore Tunnel	Hudson Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	92
	July 8	Lansford	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	8
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.	Edwardsburg	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	Pettibone	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.	Edwardsburg	Fall of roof, followed by an explosion of gas	7
				Wilkes-Barre	Explosion of gas	10
1928	May 25	Baltimore No. 5	Hudson Coal Co.	Gilberton	Fall of roof	8
1930	Aug. 8	Gilberton	Philadelphia & Reading Coal & Iron Co.	Mount Carmel	Explosion of gas	5
1931	May 29	Richards	Susquehanna Collieries Co.	Gilberton	Explosion of gas	13
1935	Jan. 21	Gilberton	Philadelphia & Reading Coal & Iron Co.	Wilkes-Barre	Piece of rock fell down shaft, struck cage	7
	May 7	S. Wilkes-Barre	Glen Alden Coal Co.			

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1969

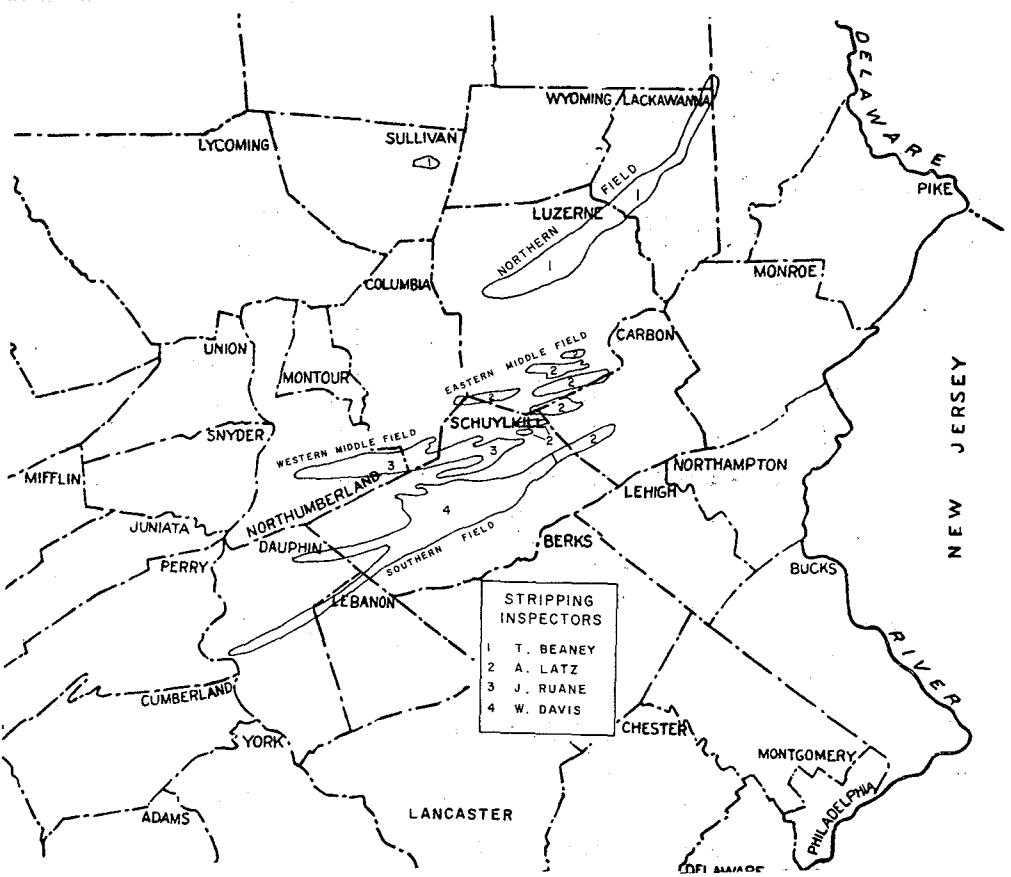
Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1936	Aug. 24	Clear Spring	Sullivan Trail Coal Co.	West Pittston	Explosion of gas	5
1938	Apr. 27	St. Clair	St. Clair Coal Co.	St. Clair	Explosion of gas	8
	June 2	Volpe	Volpe Mining Co.	Pittstown Twp.	Explosion of gas	10
1943	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.	Forestville	Drown - blast blew through to old workings	5
				Port Griffith	Drown - river broke into mine	12
1959	Jan. 22	Ewen	Knox Coal Co.			

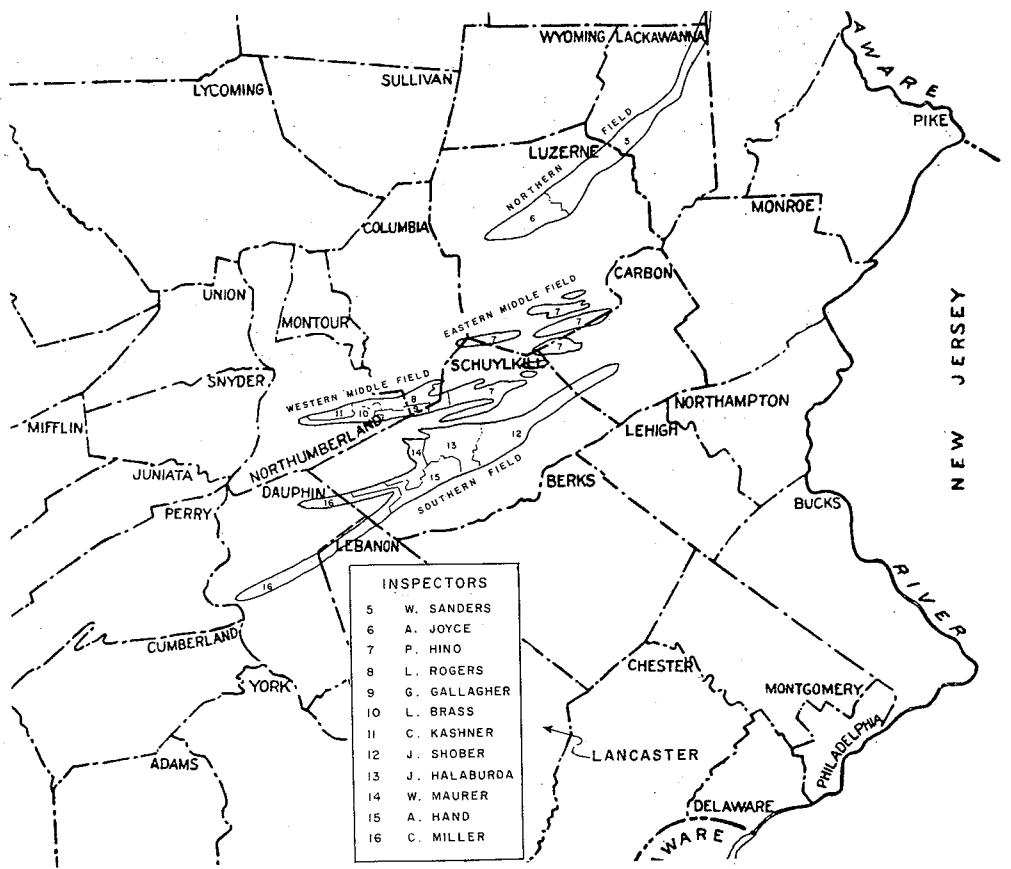
## ANTHRACITE DIVISION

## COUNTY--DISTRICT CROSS REFERENCE LIST

1969

County	Mine Inspection District
Carbon	2, 7, 12
Columbia	2, 3, 8, 9
Dauphin	16
Lackawanna	1, 5
Lebanon	
Luzerne	1, 2, 5, 6, 7
Northumberland	3, 8, 9, 10, 11
Schuylkill	2, 3, 4, 7, 8, 9, 12, 13, 14, 15, 16
Sullivan	1, 5
Susquehanna	5
Wayne	





# PRODUCTION TABLE

Operators and Collieries			District 1 Production - net tons			Pounds permis- sible ex- plosives used			Pounds dynamite used			Days worked			Non- Fatal acci- dents		
	County		Shipped to market	Sold By : railroad	Used at to colliery By : truck	Total production:	a	b	Total 106,000	2,010	103	4	-	-	-		
Barca Coal & Land Co.																	
Booth Strip	Permit 151-1	Sullivan	-	3,906	-	-	3,906	a	-	-	103	4	-	-	-		
Bliss Coal Co.																	
Bliss Strip	Permit 35-3	Sullivan	-	-	17,753	-	17,753	79,888	1,300	223	*	-	-	-	-		
Bernice Strip	Permit 35-4	Sullivan	-	-	6,073	-	6,073	26,112	710	67	7	-	-	-	-		
Bliss Crushing Plant											290	2	-	-	-		
Total						-	-	-	-	-							
Blue Coal Corporation																	
Huber	Permit 30-49	Luzerne	157	70	143	1	371	-	1,558	33	4	-	-	-	-		
Loomis	Permit 30-66	Luzerne	3,118	1,537	3,129	12	8,096	14,572	6,200	59	10	-	-	1	-		
Loree	Permit 30-51	Luzerne	6,969	3,132	6,380	21	16,502	236,990	1,179	291	16	-	-	2	-		
Middle Road	Permit 30-52	Luzerne	12,303	5,811	12,534	40	31,318	122,140	1,500	215	*	-	-	-	-		
Middle Road No. 2	Permit 30-68	Luzerne	3,520	1,540	2,499	10	7,569	29,519	760	43	12	-	-	-	-		
No. 21h Slope	Permit 30-38	Luzerne	4,876	2,192	4,464	14	11,516	45,000	-	263	6	-	-	-	-		
No. 20 Tunnel Fire Cut			404	182	370	1	957	9,450	80	54	3	-	-	-	-		
Stearns	Permit 30-67	Luzerne	2,379	1,069	2,178	10	5,636	80,940	403	50	15	-	-	-	-		
Sugar Notch	Permit 30-48	Luzerne	24,253	10,901	22,201	73	57,428	824,710	4,103	301	22	-	-	-	-		
Sugar Notch	Permit 30-55	Luzerne	17,382	7,814	15,913	47	41,156	591,054	2,911	229	6	-	-	-	-		
Sugar Notch	Permit 30-50	Luzerne	2,000	899	1,831	6	4,736	5,200	-	202	*	-	-	-	-		
Sugar Notch	Permit 30-72	Luzerne	250	112	228	1	591	800	-	18	54	*	-	-	-		
Truesdale	Permit 30-57	Luzerne	4,500	2,023	4,120	16	10,659	19,186	8,100	54	*	-	-	1	-		
Truesdale	Permit 30-58	Luzerne	2,817	1,266	2,578	10	6,671	12,007	5,200	36	*	-	-	1	-		
Truesdale	Permit 30-61	Luzerne	4,773	2,145	4,369	10	11,297	18,280	7,750	91	*	-	-	-	-		
Truesdale	Permit 30-61	Luzerne	9,824	4,416	8,993	26	23,259	334,029	1,662	127	8	-	-	-	-		
Wanamie	Permit 30-59	Luzerne	10,962	4,928	10,036	37	25,963	372,862	1,855	98	*	-	-	-	-		
Wanamie	Permit 30-63	Luzerne	2,141	962	1,959	6	5,068	72,783	362	21	*	-	-	-	-		
Wanamie	Permit 30-23	Luzerne	14,813	6,659	13,561	38	35,071	105,213	-	252	12	1	-	-	-		
Wanamie	Permit 30-21	Luzerne	9,898	4,449	9,061	32	23,440	70,300	-	125	*	-	-	-	-		
Wanamie	Permit 30-60	Luzerne	5,908	2,656	5,408	19	13,991	200,929	1,000	130	*	-	-	-	-		
Wanamie	Permit 30-6	Luzerne	2,862	1,287	2,621	7	6,777	20,300	-	142	12	-	-	-	-		
Wanamie	Permit 30-56	Luzerne	1,273	572	1,165	4	3,024	43,285	215	23	*	-	-	-	-		
Wanamie	Permit 30-47	Luzerne	66,079	29,703	60,492	195	156,469	2,217,098	11,180	299	55	-	5	-	-		
Total			214,361	96,355	196,233	636	507,585	c 5,476,677	56,048	186	1	11	-	-	-		
C. & S. Excavating Co.																	
Birdseye	Permit 78-8	Lackawanna	960	1,514	2,798	-	5,272	d 24,200	1,680	143	8	-	-	-	-		
Carbondale Coal Co.																	
Mine Fire Strip	Permit 64-1	Lackawanna	13,472	21,249	39,306	-	74,027	87,500	7,750	298	80	-	-	-	-		
No. 2 Cleaning Plant											216	7	-	-	-		
Total			13,472	21,249	39,306	-	74,027	e 87,500	7,750	87	-	-	-	-	-		
Coalbrook Sales Co.																	
Cedar Avenue Fire Cut		Lackawanna	953	1,506	2,805	-	5,264	f -	-	-	-	-	-	-	-	-	

Operators and Collieries	County	District 1 Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents	
		Shipped to market		Sold	Used at								
		By railroad	By truck	to colliery	for steam	Total production							
				local	trade and heat								
Empire Contracting Co.	Lackawanna	-	-	1,775	-	1,775	g	-	-	-	-	-	
Throop Fire Cut	Lackawanna	192	86	176	1	455	h	-	-	-	-	-	
Glasgow Construction Co.	Luzerne	-	-	365	-	365	i	1,100	190	24	4	-	
South Cross Valley Highway	Luzerne	36,411	55,942	23,421	1,004	116,778	-	831,040	356	52	1	-	
Kaminski Brothers, Inc.	Luzerne	405	623	261	11	1,300	-	6,110	34	24	-	-	
New Boston Permit 24-5	Luzerne	Total	36,816	56,565	23,682	1,015	118,078	j	-	837,150	76	1	
Lehigh Valley Anthracite, Inc.	Baltimore Permit 16-2	Luzerne	16,327	25,656	47,706	18	89,707	k	247,250	298	40	-	
Baltimore Permit 16-21	Luzerne	No. 8 Tunnel Permit 81-6	Lackawanna	979	1,538	2,861	1	5,379	1	18,950	83	20	-
Powdery Permit 81-7	Lackawanna	Gravity Permit 81-3	Lackawanna	939	1,441	2,765	-	5,188	d	32,750	52	*	-
Murrin Permit 81-9	Lackawanna	Greenfield Road Permit 81-8	Lackawanna	523	828	1,513	-	2,894	d	1,250	228	4	-
Total	1,687	2,666	4,968	1,319	13,635	6	9,322	m	47,250	3,650	171	15	-
Northwest Mining Co., Inc.	Edgerton Permit 81-10	Lackawanna	1,632	2,507	39,491	26	138,082	h	418,100	33,250	94	-	-
Pasternak Brothers Ontario Permit 21-1	Lackawanna	1,091	1,723	3,211	-	6,025	o	45,000	500	111	*	-	
Ontario No. 2 Permit 21-2	Lackawanna	921	1,456	2,713	-	5,090	p	35,000	500	114	4	-	
Blue Ridge Permit 21-3	Lackawanna	17	27	50	-	94	q	350	50	4	*	-	
Total	2,029	3,206	5,974	-	-	11,209	80,350	1,050	-	4	-	-	
Raymond Colliery Co. Owego Permit 149-1	Lackawanna	2,738	4,327	8,048	15	15,128	r	34,800	2,650	90	36	-	
S. & B. Trucking Co. Spruce Street Highway Cut	Lackawanna	750	1,150	495	20	2,445	s	-	-	-	-	-	
S. B. P. Coal Co. Louise No. 1 Permit 147-1	Sullivan	-	12,294	-	-	12,294	t	-	62,699	181	7	-	
S.B.P. Crushing Plant Total	Sullivan	-	-	-	-	-	-	-	62,699	181	1	-	
District Total	297,358	241,649	378,961	1,713	919,681	6,228,727	1,004,477	-	243	516	2	11	

NOTE: \* Workmen transferred to other operations of the same company.

(a) All coal prepared at Booth Breaker - District 5.

(b) All coal prepared at Eliss Crushing Plant.

(c) All coal prepared at Huber Breaker - District 5.

(d) All coal prepared at Raymond Breaker - District 5.

(e) 20,749 tons prepared at Taylor Breaker - District 5

16,612 tons prepared at Raymond Breaker - District 5

1,977 tons prepared at Olyphant Breaker - District 5

1,689 tons prepared at Huber Breaker - District 5

(f) All coal prepared at Taylor Breaker - District 5

Operators and Collieries	County	District 1 Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents
		Shipped to market		Sold	Used at							
		By railroad	By truck	to colliery	for steam	Total production						
				local	trade and heat							
NOTE: (g) Coal recovered at Throop mine fire excavation -		2,391	tons prepared at Olyphant Breaker - District 5									
1,200 tons prepared at Kassa Breaker - District 5		4,005	tons prepared at Huber Breaker - District 5									
575 tons prepared at Ace Breaker - District 5		3,138	tons prepared at Taylor Breaker - District 5									
(h) Coal recovered while excavating for South Cross Valley Highway -		16,039	tons prepared at Raymond Breaker - District 5									
all coal prepared at Huber Breaker - District 5		4,310	tons prepared at Ace Breaker - District 5									
(i) All coal prepared at Kassa Breaker - District 5.		1,685	tons prepared at Penbrook Breaker - District 5									
(j) All coal prepared at Harry E. Breaker - District 5.		2,100	tons prepared at Ace Breaker - District 5									
(k) 19,066 tons prepared at Huber Breaker - District 5		500	tons prepared at Penbrook Breaker - District 5									
22,902 tons prepared at Taylor Breaker - District 5		4,350	tons prepared at Ace Anthracite Breaker - District 5									
17,739 tons prepared at Raymond Breaker - District 5		(q) All coal prepared at Ace Breaker - District 5.										
(l) 453 tons prepared at Huber Breaker - District 5		9,709	tons prepared at Huber Breaker - District 5									
173 tons prepared at Taylor Breaker - District 5		3,672	tons prepared at Taylor Breaker - District 5									
1,753 tons prepared at Raymond Breaker - District 5		1,747	tons prepared at Raymond Breaker - District 5									
(m) 1,621 tons prepared at Olyphant Breaker - District 5		(s) Coal recovered while excavating for Spruce Street High- way Cut - all coal prepared at Harry E. Breaker - Dist. 5.										
981 tons prepared at Huber Breaker - District 5		(t) All coal prepared at S. B. P. Crushing Plant.										
50 tons prepared at Taylor Breaker - District 5												
6,670 tons prepared at Raymond Breaker - District 5												

Operators and Collieries	County	District 2					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents	
		Shipped to market		Sold	Used at								
		By railroad	By truck	to colliery	for steam	Total production							
				local	trade and heat								
Brook Contracting Corp.	Oneida Permit 86-1	Schuylkill	4,832	7,435	6,039	-	18,306	a	-	91,725	287	31	-
Oneida No. 2 Permit 86-2	Schuylkill	2,016	1,438	1,832	3	5,289	b	-	20,000	59	15	-	
Stockton Basin Permit 86-3	Luzerne	1,988	2,564	3,311	3	7,896	c	-	2,800	258	10	-	
Oneida No. 3 Permit 86-4	Schuylkill	3,217	4,774	3,930	-	11,921	d	-	7,250	187	19	-	
Humboldt Permit 86-5	Luzerne	1,470	1,196	1,482	1	4,152	e	-	68,225	68	17	-	
Total	13,523	17,407	16,624	10	47,564	-	190,000	-		92	-	-	
Gowen Coal Co.	Gowen Mammoth Permit 38-1	Schuylkill	28,004	-	13,180	-	41,184	-	96,000	284	19	-	
Gowen Buck Mountain Permit 38-6	Columbia	2,484	-	1,170	-	3,654	-	1,200	116	9	-	-	
Derringer Buck Mt. Permit 38-7	Luzerne	4,449	-	2,095	-	6,514	-	-	292	7	-	-	
Total	34,937	-	16,445	-	-	51,382	f	-	97,200	35	-	-	
Greenwood Stripping Corporation	Greenwood Mammoth Permit 33-1	Schuylkill	159,158	85,181	26,585	353	271,277	-	1,150,797	230	116	1	21
Primrose Pencil Permit 33-2	Carbon	-	-	-	-	-	-	-	-	114	1	-	-
55-N Mammoth S. B. Permit 33-3	Carbon	16,653	8,893	2,775	-	28,321	-	114,100	200	18	-	1	-
Orchard C. B. Permit 33-4	Carbon	37,759	20,164	6,293	-	64,216	-	605,250	271	34	-	-	
No. 10 W. L. Mammoth Permit 33-7	Schuylkill	339	181	57	-	577	**	-	-	69	8	-	-
Loonie Mammoth Permit 33-9	Schuylkill	18,971	10,131	3,162	-	32,261	-	15,892	279	18	-	-	
Wildip Orchard Permit 33-10	Carbon	17,144	9,155	2,857	-	29,156	-	42,108	279	13	-	-	
Wildip Orchard Permit 33-12	Carbon	4,041	2,158	674	-	6,873	-	12,700	216	11	-	-	

Operators and Collieries			County			District 2 Production - net tons				Pounds							
						Shipped to market		Sold	Used at	permis-							
						By railroad		By truck	local trade	colliery							
						Total			for steam and heat	Total production:	plosives used	dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal acci- dents	
Greenwood Stripping Corporation	(Continued)																
26-L & 27-L Primrose	Permit 33-15	Carbon	-	-	-	-	-	*	-	-	91	1	-	-	-		
5-N-3 Mammoth	Permit 33-21	Carbon	-	-	-	-	-	**	-	-	34	2	-	-	-		
Primrose C. B.	Permit 33-23	Carbon	27,301	14,579	4,550	-	46,430	-	204,510	279	23	-	-	-	-		
18-N-2 Primrose	Permit 33-24	Carbon	5,569	2,974	929	-	9,472	-	20,150	113	10	-	-	-	-		
Mammoth C. B. Spoon	Permit 33-25	Carbon	-	-	-	-	-	**	-	-	10	2	-	-	-		
Primrose S. B. Spoon	Permit 33-26	Carbon	43,693	23,332	7,282	-	74,307	-	231,030	287	35	-	-	-	-		
26-L & 27-L Primrose	Permit 33-28	Carbon	-	-	-	-	-	-	-	-	17	4	-	-	-		
44-N-2 Mammoth S.B.	Permit 33-29	Carbon	-	-	-	-	-	-	15,400	13	9	-	-	-	-		
Total			330,628	176,748	55,164	353	562,893	g	-	2,411,937	305	1	22				
Honeybrook Mines, Inc.																	
Tresckow	Permit 53-5	Carbon	-	48	391	-	439	h	-	-	57	2	-	-	-	-	
Huss, George																	
E-30 Buck Mountain	Permit 57-5	Luzerne	39,387	10,592	16,409	98	66,486	-	933,100	245	20	-	-	-	-	-	
Buck Mountain	Permit 57-8	Luzerne	2,016	551	853	3	3,453	-	44,050	97	2	-	-	-	-	-	
Buck Mountain	Permit 57-13	Luzerne	8,568	2,301	3,570	21	11,463	-	279,930	120	9	-	-	-	-	-	
Buck Mountain	Permit 57-14	Luzerne	38,529	10,361	16,051	97	65,038	-	653,170	245	21	-	-	-	-	-	
Total			88,530	23,808	36,883	219	119,440	i	-	1,910,250	55	-	-	-	-	-	
Jeddo-Highland Coal Co.																	
J-41	Permit 22-8	Luzerne	231,432	186,330	42,973	3,315	464,050	j	-	3,547,077	343	91	-	8			
J-43	Permit 22-8	Luzerne	115,974	84,379	25,555	1,665	257,573	k	-	2,902,151	350	63	-	2			
Total			377,406	270,709	68,528	4,980	721,623	-	-	6,449,231	154	-	-	10			
Kassa Coal Co.																	
Beaver Meadow No. 2	Permit 44-1	Carbon	-	-	3,387	12	3,399	l	-	14,000	173	3	-	-	-	-	-
Lehigh Valley Anthracite, Inc.																	
Stockton Basin	Permit 16-8	Luzerne	23,108	20,859	4,396	360	48,723	m	-	820,604	318	13	-	1			
Lattimer	Permit 16-19	Luzerne	4,278	2,468	749	49	7,544	n	-	29,011	175	8	-	-			
Total			27,386	23,327	5,145	409	56,287	-	-	849,615	21	-	-	1			
Meadow Coal & Excavating Co., Inc.																	
Oneida	Permit 89-5	Schuylkill	-	66	534	-	600	h	-	200	22	6	-	-			
District Total			872,410	512,113	203,101	5,983	1,593,607	-	-	11,922,463	211	673	1	33			

- NOTE: (a) 18,134 tons prepared at Blaschak Breaker - District 7  
172 tons prepared at Gowen Breaker - District 7  
(b) 3,508 tons prepared at Blaschak Breaker - District 7  
1,623 tons prepared at Gowen Breaker - District 7  
158 tons prepared at Kassa Breaker - District 5  
(c) 6,253 tons prepared at Blaschak Breaker - District 7  
532 tons prepared at Gowen Breaker - District 7  
1,111 tons prepared at Kassa Breaker - District 5
- (d) 11,642 tons prepared at Blaschak Breaker - District 7  
279 tons prepared at Gowen Breaker - District 7  
(e) 2,917 tons prepared at Blaschak Breaker - District 7  
1,045 tons prepared at Gowen Breaker - District 7  
190 tons prepared at Kassa Breaker - District 5  
(f) All coal prepared at Gowen Breaker - District 7.  
(g) All coal prepared at Greenwood Breaker - District 12  
(h) All coal prepared at Mazaika Breaker - District 7.

Operators and Collieries			County			District 2 Production - net tons				Pounds						
						Shipped to market		Sold	Used at	permis-						
						By railroad		By truck	local trade	colliery	sible ex-	Pounds	Fatal	fatal	Non-fatal	
						Total			for steam and heat	Total production:	plosives used	dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal acci- dents
NOTE: (i) All coal prepared at Buckley Breaker - District 7.																
(j) 122,215 tons prepared at Jeddo No. 7 Breaker - District 7																
341,835 tons prepared at Hazleton Shaft Breaker - District 7																
(k) 256,504 tons prepared at Jeddo No. 7 Breaker - District 7																
1,069 tons prepared at Hazleton Shaft Breaker - District 7																
** Backfilling																
** Discontinued operations in 1969																

Buck Coal Co.			Columbia			District 3 Production - net tons				Pounds						
						Shipped to market		Sold	Used at	permis-						
						By railroad		By truck	local trade	colliery	sible ex-	Pounds	Fatal	fatal	Non-fatal	
						Total			for steam and heat	Total production:	plosives used	dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal acci- dents
Aristes	Permit 49-1		-	5,104	-	-	5,104	a	8,200	550	280	3	-	-	-	-
Capparell Stripping & Construction Co., Inc.																
Locust Mountain	Permit 19-2	Schuylkill	-	12,258	-	-	12,258	90,000	-	-	181	19	-	1		
East Bear Ridge	Permit 19-3	Schuylkill	-	18,702	-	-	18,702	39,000	-	-	216	12	-	1		
Total			-	30,960	-	-	30,960	b	129,000	-	-	31	-	2		
Conyngham Contracting Co.																
Alaska No. 2	Permit 91-9	North'd	-	14,535	-	-	14,535	73,000	-	-	196	17	-	2		
Locust Gap No. 1	Permit 91-10	North'd	-	6,739	-	-	6,739	-	-	-	213	13	-	-		
Locust Gap No. 2	Permit 91-11	North'd	-	1,579	-	-	1,579	2,050	-	-	42	10	-	-		
Total			-	22,853	-	-	22,853	c	75,050	-	-	40	-	2		
D. & Z. Coal Co.																
Sterling	Permit 14-0-2	North'd	-	3,614	-	-	3,614	d	-	-	110	2	-	-	-	-
Folger & Chapleski																
Excelsior	Permit 119-2	North'd	-	6,463	-	-	6,463	15,500	-	-	219	2	-	-	-	-
Enterprise	Permit 119-3	North'd	-	782	-	-	782	-	-	-	50	2	-	-	-	-
Henry Clay	Permit 119-4	North'd	-	50	-	-	50	-	-	-	10	2	-	-	-	-
Total			-	7,295	-	-	7,295	e	15,500	-	-	6	-	-	-	-
Glenn Brass Coal Co.																
West Cameron	Permit 106-5		-	3,256	-	-	3,256	f	-	-	215	2	-	-	-	-
Glosek Brothers Coal Sales, Inc.																
Burnside	Permit 45-10	North'd	-	820	-	-	820	4,500	-	-	51	5)	-	-	-	-
Katherine	Permit 45-11	North'd	-	3,312	-	-	3,312	-	-	-	52	)	-	-	-	-
Katherine No. 2	Permit 45-12	North'd	-	980	-	-	980	-	-	-	13	)	-	-	-	-
Total			-	5,112	-	-	5,112	g	4,500	-	-	5	-	-	-	-
Howells, Thomas & Olaf, Stanley																
Marion Heights No. 2	Permit 4-9	North'd	-	809	-	-	809	150	-	-	52	2)	-	-	-	-
Marion Heights No. 3	Permit 4-10	North'd	-	2,985	-	-	2,985	-	-	-	200	)	-	-	-	-
Total			-	3,794	-	-	3,794	d	150	-	-	2	-	-	-	-
Jet Coal Co.																
Richards	Permit 3-6	North'd	-	1,300	-	-	1,300	150	-	-	80	4)	-	-	-	-
Richards	Permit 3-7	North'd	-	500	-	-	500	-	-	-	60	)	-	-	-	-
Richards	Permit 3-8	North'd	-	1,750	-	-	1,750	-	-	-	100	)	-	-	-	-
Total			-	3,550	-	-	3,550	h	150	-	-	4	-	-	-	-

Operators and Collieries			District 3 Production - net tons						Pounds permiss-able explosives used						Days worked				Fatal acci-dents		Non-fatal acci-dents	
	County		Shipped to market	Sold to colliery	Used at local trade	for steam and heat	Total production	Used	Days	Empl- oves	accident	days	fatal	accident					days	fatal	accident	
			By railroad	By truck																		
K. & J. Coal Co.																						
Midvalley No. 3	Permit 141-1	Columbia	-	2,451	-	-	2,451	i	2,000	-	91	2	-	-	-	-	-	-	-	-		
Kerris & Helfnick, Inc.																						
Morris Ridge	Permit 7-1	Columbia	-	62,353	-	-	62,353	300,000	-	199	16	-	-	6								
Edgewood	Permit 7-11	North'd	-	13,020	-	-	13,020	40,000	-	62	18	-	-									
Stewartsville	Permit 7-16	North'd	-	5,376	-	-	5,376	60,000	-	42	9	-	-	2								
Maysville	Permit 7-18	North'd	-	7,266	-	-	7,266	100,000	-	33	6	-	-									
Trevorton	Permit 7-19	North'd	-	33,317	-	-	33,317	50,000	-	178	10	-	-									
Sayre N. D.	Permit 7-20	Columbia	-	12,553	-	-	12,553	100,000	-	242	9	-	-									
Sayre S. D.	Permit 7-21	Columbia	-	61,106	-	-	61,106	150,000	-	62	14	-	-									
Excelsior	Permit 7-22	North'd	-	7,396	-	-	7,396	50,000	-	21	9	-	-									
Excelsior No. 2	Permit 7-23	North'd	-	4,065	-	-	4,065	10,000	-	105	8	-	-									
Total			-	209,452	-	-	209,452	j	890,000	-	105											
Lehigh Valley Anthracite, Inc.																						
Continental	Permit 16-9	(Columbia Schuylkill	-	-	-	-	Shop	-	-	298	23	-	-	-								
Germantown	Permit 16-12	Columbia	85,948	37,600	15,661	504	139,713	859,992	-	298	60	-	-									
Primrose	Permit 16-14	Schuylkill	140,633	17,865	25,626	825	181,919	2,000,000	-	293	60	-	-	11								
Mammoth-Hammond	Permit 16-17	Schuylkill	34,730	15,194	6,328	204	56,456	1,000,000	-	298	24	-	-	1								
Springdale	Permit 16-18	Schuylkill	-	43,659	-	-	43,659	1,000,000	-	293	13	-	-									
Total			261,311	114,318	47,615	1,533	424,771	i 4,859,992	-	180	-											
Minel, Inc.																						
Trevorton	Permit 53-2	North'd	-	10,544	-	-	10,544	k	37,252	-	313	6	-	-								
North Line Coal Co.																						
Burnside	Permit 52-1	North'd	-	10,639	-	-	10,639	l	115,000	-	285	11	-	-								
R. B. F. Coal Co.																						
Hickory Swamp	Permit 107-7	North'd	-	11,302	-	-	11,302	-	-	203	6	-	-									
Hickory Swamp	Permit 107-8	North'd	-	4,875	-	-	4,875	-	-	116	4	-	-									
Hickory Swamp	Permit 107-10	North'd	-	808	-	-	808	-	-	54	3	-	-									
Total			-	16,985	-	-	16,985	m	-	-	13	-	-									
Reading Anthracite Co.																						
Knickerbocker M-112	Permit 23-8	Schuylkill	55,371	11,686	29,751	-	96,808	822,733	-	269	18	-	-	2								
Knickerbocker M-112A	Permit 23-9	Schuylkill	25,395	5,359	13,645	-	44,399	634,098	-	251	18	-	-									
Trevorton S-5	Permit 23-12	North'd	69,382	39	23,217	-	92,638	249,100	-	200	19	-	-	2								
Trevorton S-5A	Permit 23-13	North'd	2,773	-	930	-	3,703	-	-	74	15	-	-									
Total			152,921	17,084	67,543	-	237,514	n 1,705,931	-	70	-	14	-									
Rosini Coal Co.																						
Bear Valley	Permit 47-26	North'd	-	15,662	-	-	15,662	10,000	-	37	15)	-	-									
Sterling No. 2	Permit 47-27	North'd	-	11,317	-	-	11,317	10,000	-	37	)	-	-									
Sterling No. 3	Permit 47-28	North'd	-	2,450	-	-	2,450	1,000	-	25	)	-	-									
Bear Valley	Permit 47-29	North'd	-	11,915	-	-	11,915	10,000	-	54	)	-	-									

Operators and Collieries			District 3 Production - net tons						Pounds permiss-able explosives used						Days worked				Fatal acci-dents		Non-fatal acci-dents	
	County		Shipped to market	Sold to colliery	Used at local trade	for steam and heat	Total production	Used	Days	Empl- oves	accident	days	fatal	accident								
			By railroad	By truck																		
Rosini Coal Co. (Continued)																						
Sterling No. 4	Permit 47-30	North'd	-	681	-	-	681	-	-	10	)	-	-									
Bear Valley	Permit 47-31	North'd	-	1,580	-	-	1,580	10,000	-	6	)	-	-									
Trevorton No. 8	Permit 47-32	North'd	-	15,654	-	-	15,654	41,500	-	85	)	-	-									
Total			-	59,259	-	-	59,259	o 82,500	-	-	15	-	-									
S. & D. Coal Co.																						
Hickory Swamp	Permit 127-1	North'd	-	1,200	-	-	1,200	-	-	80	3)	-	-									
Hickory Swamp	Permit 127-2	North'd	-	1,250	-	-	1,250	-	-	80	)	-	-									
Hickory Swamp	Permit 127-3	North'd	-	694	-	-	694	-	-	120	)	-	-									
Total			-	3,144	-	-	3,144	d	-	-	3	-	-									
S. & S. Contracting Co.																						
Midvalley No. 2	Permit 109-6	North'd	-	310	-	-	310	-	-	12	3)	-	-									
Midvalley No. 3	Permit 109-7	North'd	-	775	-	-	775	-	-	40	)	-	-									
Richards	Permit 109-8	North'd	-	5,272	-	-	5,272	-	-	188	)	-	-									
Total			-	6,357	-	-	6,357	p	-	-	3	-	-									
Savitski Brothers Coal Sales																						
Roaring Creek	Permit 76-5	North'd	-	154	-	-	154	-	-	11	3)	-	-									
Roaring Creek No. 2	Permit 76-6	North'd	-	2,363	-	-	2,363	-	-	102	)	-	-									
Reliance No. 1	Permit 76-7	North'd	-	10	-	-	10	-	-	5	)	-	-									
Total			-	2,527	-	-	2,527	h	-	-	3	-	-									
Split Vein Coal Co.; Inc.																						
Henry Clay	Permit 113-3.	North'd	-	13,070	-	-	13,070	52,685	-	251	4	-	-									
Hickory	Permit 113-11	North'd	-	1,364	-	-	1,364	-	-	44	2	-	-									
Total			-	14,434	-	-	14,434	q	52,685	-	6	-	-									
District Total			411,232	552,762	115,158	1,533	1,083,685	7,977,910	550	213	512	-	28									

NOTE: (a) 700 tons prepared at D. & Z. Breaker - District 11  
 784 tons prepared at Split Vein Breaker - District 11  
 3,620 tons prepared at Swift Breaker - District 11  
 (b) All coal prepared at Rosa Breaker - District 7.  
 (c) All coal prepared at Diamond Breaker - District 8  
 (d) All coal prepared at D. & Z. Breaker - District 11.  
 (e) All coal prepared at Lower Region Breaker - District 11.  
 (f) 2,665 tons prepared at Sunshine Breaker - District 10  
 591 tons prepared at Bar-Mac Breaker - District 11  
 (g) 275 tons prepared at D. & Z. Breaker - District 11  
 4,837 tons prepared at Sunshine Breaker - District 10  
 (h) All coal prepared at Savitski Breaker - District 9.  
 (i) All coal prepared at Mammoth Breaker - District 8.

(j) All coal prepared at Glen Burn Breaker - District 10.  
 (k) All coal prepared at Sunshine Breaker - District 10.  
 (l) All coal prepared at Reidering Breaker - District 11.  
 (m) 5,310 tons prepared at Diminick Breaker - District 11  
 6,508 tons prepared at Split Vein Breaker - District 11  
 1,853 tons prepared at Savitski Breaker - District 9  
 3,292 tons prepared at Glen Burn Breaker - District 10  
 22 tons prepared at D. & Z. Breaker - District 11  
 (n) 96,311 tons prepared at Trevorton Breaker - District 11  
 14,207 tons prepared at New St. Nicholas Breaker - Dist. 10.  
 (o) All coal prepared at Carbon Run Breaker - District 10.

Operators and Collieries	County	District 3 Production - net tons						Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents	
		Shipped to market		Sold	Used at	to	colliery							
		By	By	local	for steam	Total	production:							
		By railroad	truck	trade	and heat									
NOTE: (p) 2,390 tons prepared at D. & Z. Breaker - District 11 3,143 tons prepared at Savitski Breaker - District 9 334 tons prepared at Split Vein Breaker - District 11 490 tons prepared at Swift Breaker - District 11. (q) All coal prepared at Split Vein Breaker - District 11.														

District 4														
Operators and Collieries	County	District 4 Production - net tons						Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents	
		Shipped to market		Sold	Used at	to	colliery							
		By	By	local	for steam	Total	production:							
		By railroad	truck	trade	and heat									
Bell Coal Co. Bell Blue Bell Enterprises, Inc. New Philadelphia Bridy, Incorporated Bridy C. L. S. Coal Co. Tracy Connors, Paul J. Connors D. & F. Coal Co. D. & F. F. & M. Coal Co. F. & M. Five Points Coal Co. Five Points Industrial Coal Sales, Inc. Lincoln K. & K. Coal Co. K. & K. Klinger Coal Co. Klinger Kocher Coal Co., Inc., Leon E. Porter Tunnel Porter Tunnel Total	Schuylkill	2,832	4,120	5,103	46	12,101	a	-	-	303	2	-	-	-
Koury Coal Co. Koury Krell, Philip Orchard Mohan, James E. Mohan Mountain Anthracite Co. Buck Mountain	Schuylkill	3,122	3,218	1,929	36	8,305	m	-	-	262	3	-	-	-

Operators and Collieries	County	District 4 Production - net tons						Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents	
		Shipped to market		Sold	Used at	to	colliery							
		By	By	local	for steam	Total	production:							
		By railroad	truck	trade	and heat									
Pacine Coal Co. R. & S. Coal Co. R. & S. Reading Anthracite Co. Oak Hill P-47 Wadesville P-33 St. Clair P-18 St. Clair P-14 Pine Knot P-39 Buck Run P-45A Potts-Bannan P-50 Total	Schuylkill	1,262	4,790	1,840	16	7,908	p	1,500	-	189	5	-	-	-
Schock Co., Norman C. Schock Schuylkill Contracting Co. Mammoth & Holmes Pine Hill Seltzer City Total	Schuylkill	-	1,127	9,124	-	10,251	s	2,750	-	297	5	-	-	-
Seitzinger Bros. Leasing, Inc. Fairland Village Swatara Coal Co. Mammoth Primrose Basin Total	Schuylkill	-	240	2,730	30	3,000	u	16,300	-	150	4	-	-	-
Valent Coal Co., Frank Silver Creek Valley Enterprises, Inc. Brockton No. 1 Brockton No. 2 Total	Schuylkill	9,120	7,068	6,384	228	22,800	n	6,390	-	272	4	-	-	-
Brockton No. 1 Brockton No. 2 Total	Schuylkill	-	80	168	2	250	-	75	25	2	-	-	-	-
W. & W. Construction Co. Mammoth Primrose Total	Schuylkill	2,920 912	10,192 4,496	7,266 1,916	62 26	20,440 7,350	g	93,000 31,000	-	300 276	8 6	-	-	-
District Total		529,526	274,444	293,972	1,208	1,099,150	11,841,287	2,125	238	389	-	23		

Operators and Collieries	District 4						District 4					
	Production - net tons			Pounds			Production - net tons			Pounds	Fatal	Non-fatal
	Shipped to market		Sold	Used at	permis-		Shipped to market		Total	plosives	dynamite	Days Empl- acci- acci-
NOTE: (a)	By railroad	By truck	local	for steam	production:	used	By railroad	trade	and heat	used	used	worked oves dents dents
(a) 8,610 tons prepared at Schneck Breaker - District 14					(m) 63 tons prepared at Malho Breaker - District 9							
3,361 tons prepared at South Tamaqua Coal Pockets - District 12					877 tons prepared at Franklin Breaker - District 14							
(b) 1,608 tons prepared at D. & Z. Breaker - District 11					1,152 tons prepared at Valley Breaker - District 15							
802 tons prepared at Silver Creek Breaker - District 12					(n) All coal prepared at Silver Creek Breaker - District 12.							
(c) 400 tons prepared at K. & K. Breaker - District 13					(o) All coal prepared at Swift Breaker - District 11.							
690 tons prepared at Silver Creek Breaker - District 12					(p) 1,582 tons prepared at Direnzo Breaker - District 13							
3,671 tons prepared at Direnzo Breaker - District 13					3,163 tons prepared at Silver Creek Breaker - District 12							
350 tons prepared at Old Mill Breaker - District 13					2,186 tons prepared at Bernitsky Breaker - District 12							
4,566 tons prepared at Savitski Breaker - District 9					395 tons prepared at Schneck Breaker - District 14							
170 tons prepared at Bernitsky Breaker - District 12					158 tons prepared at Old Mill Breaker - District 13							
196 tons prepared at Schneck Breaker - District 14					421 tons prepared at K. & P. Breaker - District 13							
(d) All coal prepared at Maple Spring Breaker - District 13					(q) 60 tons prepared at Legal Breaker - District 15							
(e) All coal prepared at Randolph Washery - District 12					250 tons prepared at Schneck Breaker - District 14							
(f) 426 tons prepared at Direnzo Breaker - District 13					868 tons prepared at Minersville Breaker - District 13							
994 tons prepared at K. & K. Breaker - District 13					(r) All coal prepared at New St. Nicholas Breaker - Dist. 12							
1,300 tons prepared at Live Oak Breaker - District 13					(s) 9,809 tons prepared at Mazaika Breaker - District 7							
10,550 tons prepared at Legal Breaker - District 15					442 tons prepared at R. & R. Breaker - District 12							
2,141 tons prepared at Minersville Breaker - District 13					(t) 50,071 tons prepared at Marlin Breaker - District 12							
900 tons prepared at Olenick Breaker - District 13					20,182 tons prepared at New St. Nicholas Breaker - Dist. 12							
7,100 tons prepared at Schneck Breaker - District 14					(u) All coal prepared at Direnzo Breaker - District 13.							
1,760 tons prepared at Direnzo Breaker - District 13					(v) All coal prepared at Swatara Breaker - District 13							
900 tons prepared at Schneck Breaker - District 14					(w) 250 tons prepared at South Tamaqua Coal Pockets-Dist. 12							
500 tons prepared at Donaldson Breaker - District 14					475 tons prepared at Bernitsky Breaker - District 12							
(h) All coal prepared at Savitski Breaker - District 9.					(x) 6,000 tons prepared at Underkoffler Breaker - District 15							
(i) All coal prepared at Donaldson Breaker - District 14.					3,240 tons prepared at Swatara Breaker - District 13							
(j) 7,722 tons prepared at Schneck Breaker - District 14					6,030 tons prepared at Strohecker Breaker - District 15							
245 tons prepared at K. & P. Breaker - District 13					9,740 tons prepared at Franklin Breaker - District 14							
2,681 tons prepared at Direnzo Breaker - District 13					2,780 tons prepared at Kocher Breaker - District 15							
362 tons prepared at Silver Creek Breaker - District 12												
(k) All coal prepared at Schneck Breaker - District 14.												
(l) All coal prepared at Kocher Breaker - District 15.												
(m) 754 tons prepared at Schneck Breaker - District 14												
102 tons prepared at Minersville Breaker - District 13												
4,057 tons prepared at Kocher Breaker - District 15												
24 tons prepared at Direnzo Breaker - District 13												
1,061 tons prepared at Legal Breaker - District 15												
71 tons prepared at K. & K. Breaker - District 13												
81 tons prepared at Old Mill Breaker - District 13												
63 tons prepared at Tremont Breaker - District 14												

Operators and Collieries	District 5						District 5					
	Production - net tons			Pounds			Production - net tons			Pounds	Fatal	Non-fatal
	Shipped to market		Sold	Used at	permis-		Shipped to market		Total	plosives	dynamite	Days Empl- acci- acci-
Operators and Collieries	County	By railroad	By truck	local	for steam	production:	By railroad	trade	and heat	used	used	worked oves dents dents
Ace Anthracite, Inc.												
Ace Bank	Lackawanna	-	62	557	6	625	-	-	-	249	1	-
Ace Breaker	Lackawanna	-	-	-	-	-	-	-	-	249	3	-
Total		-	62	557	6	625 a	-	-	-	4	-	-
Ace Coal Co.												
Ace Breaker	Lackawanna	-	-	-	-	- b	-	-	-	23	7	-
American Silt Processing Co., Inc.												
Waddell Washery	Lackawanna	-	-	-	-	-	-	-	-	197	5	-
Waddell Bank	Lackawanna	1,900	-	-	-	-	-	-	-	197	2	-
Total		1,900	-	-	-	-	1,900 c	-	-	7	-	-
Barca Coal & Land Co., Inc.												
Booth Bank	Sullivan	-	782	-	-	782	-	-	-	76	1	-
Booth Breaker	Sullivan	-	-	-	-	-	-	-	-	76	4	-
Total		-	782	-	-	782 d	-	-	-	5	-	-
Baumann, John C.												
D. & H. Railroad Bank	Lackawanna	3,050	38,056	374	4	41,484 e	-	-	-	80	4	-
Blue Coal Corporation												
Bag Plant	Lackawanna	-	-	-	-	-	-	-	-	257	13	-
D. & H. Railroad Bank	Lackawanna	393	177	360	1	931 b	-	-	-	7	3	-
Huber Breaker	Luzerne	-	-	-	-	-	-	-	-	232	50	-
Huber General	Luzerne	-	-	-	-	-	-	-	-	232	116	-
Loree General	Luzerne	-	-	-	-	-	-	-	-	157	7	-
No. 13 <sup>1/2</sup> Slope	Luzerne	1,797	808	1,645	6	4,256	-	-	-	181	2	-
Sugar Notch Bank	Luzerne	899	404	823	2	2,128	-	-	-	181	2	-
Total		3,089	1,389	2,828	9	7,315 f	-	-	-	193	-	5
C. B. M. Coal Co.												
Lehigh Valley Railroad Bank	Luzerne	202	91	185	1	479	-	-	-	290	2	-
Empire Bank	Luzerne	34,563	38,811	15,259	713	89,316	-	-	-	208	9	-
Total		34,765	38,902	15,444	714	89,825 f	-	-	-	11	-	-
Coalbrook Iron & Metals												
Coalbrook Bank	Lackawanna	4,927	15,168	-	-	20,095 g	-	-	-	120	4	-
DeAngelis, Inc.												
Boland Breaker	Lackawanna	-	-	-	-	- b	-	-	-	23	8	-
G.M.C. Energy Fuels, Inc.												
Ziffenblatt Cleaning Plant	Luzerne	-	-	-	-	-	-	-	-	187	5	-
Laflin Heights Coal Co.	Luzerne	-	-	-	-	-	-	-	-	15	2	-
Laflin Bank	Luzerne	-	-	-	-	-	-	-	-			
Lehigh Valley Anthracite, Inc.												
Empire Bank	Luzerne	4,535	5,094	2,002	93	11,724 h	-	-	-	41	9	-
Franklin Cleaning Plant	Luzerne	-	-	-	-	-	-	-	-	242	14	-
Harry E. Bank	Luzerne	1,031	1,583	662	29	3,305	-	-	-	170	2	-

District 5											
Production - net tons											
Operators and Collieries	County	Shipped to market				Pounds			Non-fatal accidents		
		By railroad	By truck	Sold to local trade	Used at colliery and heat	Total production	Possible explosives used	Dynamite used	Days worked	Fatal deaths	
									Overs	fatal accidents	
Lehigh Valley Anthracite, Inc. (Continued)	Luzerne	18,430	16,403	6,041	307	41,181	-	-	170	36	- 1
Harry E. Breaker	Luzerne	-	-	-	-	-	-	-	242	3	- 1
Prospect Bank	Luzerne	-	-	-	-	-	-	-	242	6	- 1
Prospect Cleaning Plant	Luzerne	-	-	-	-	-	-	-	70	-	4
Total		23,996	23,080	8,705	429	56,210 i	-	-			
Moffat Premium Anthracite, Inc.	Lackawanna	-	-	-	-	-	-	-	124	54	- 3
Taylor Breaker	Lackawanna	-	-	-	-	-	-	-			
Mountain Coal Co.	Luzerne	2,890	4,440	1,859	80	9,269 j	7,250	200	153	10	- 1
No. 32 Pittston Slope	Lackawanna	-	-	-	-	-	-	-	296	10	- -
Northwest Mining Co., Inc.	Lackawanna	-	-	-	-	-	-	-	246	26	- -
Marvine Sizing Plant	Lackawanna	-	-	-	-	-	-	-	36	-	-
Raymond Breaker	Lackawanna	-	-	-	-	-	-	-			
Total		-	-	-	-	-	-	-			
O. S. C. Co.	Susquehanna	-	638	-	-	638 b g	-	-	20	4	- -
Stillwater Bank	Lackawanna	45,806	11,265	22,597	455	80,123	-	-	265	5	- -
Olyphant Premium Anthracite, Inc.	Lackawanna	-	-	-	-	-	-	-	265	18	- -
Olyphant Bank	Lackawanna	-	-	-	-	-	-	-	23	-	-
Olyphant Cleaning Plant	Lackawanna	-	-	-	-	-	-	-			
Total		45,806	11,265	22,597	455	80,123 J	-	-			
Opalka Brothers	Lackawanna	-	340	-	-	340 k	340	50	88	3	- -
Boland Colliery	Lackawanna	-	-	-	-	-	-	-	256	1	- -
O'Toole, John F.	Lackawanna	-	-	-	-	-	-	-			
O'Toole Sizing Plant	Lackawanna	-	-	-	-	-	-	-			
Penbrook Coal Co.	Lackawanna	825	-	-	-	825	-	-	116	1	- -
Penbrook Bank	Lackawanna	-	-	-	-	-	-	-	116	6	- -
Penbrook Breaker	Lackawanna	-	-	-	-	-	-	-	7	-	-
Total		825	-	-	-	825 l	-	-			
Perry Coal Sales Co., Inc., Thomas	Lackawanna	29,705	-	-	-	29,705	-	-	253	2	- -
Perry Bank	Luzerne	192	394	2,311	28	2,925	-	-	261	1	- -
Avoca Bank	Luzerne	-	-	-	-	-	-	-	261	3	- 1
Avoca Cleaning Plant	Luzerne	-	-	-	-	-	-	-	6	-	-
Total		29,897	394	2,311	28	32,630 m	-	-			
Pompey Coal Co.	Lackawanna	2,415	-	-	-	2,415 c	-	-	171	2	- -
Pompey Bank	Luzerne	-	73,054	-	-	73,054 g	-	-	162	7	- -
People Coal Sales Co., Raymond	Luzerne	-	-	-	-	-	-	-			
Dunmore Bank	Luzerne	-	14,557	-	-	14,557 g	-	-	37	7	- -
Racho, George	Luzerne	-	-	-	-	-	-	-			
Exeter Bank	Luzerne	-	-	-	-	-	-	-			
Scranton Excavating Co.	Lackawanna	3,191	1,102	5,567	-	9,860 n	-	-	278	3	- -
Taylor Bank	Lackawanna	-	-	-	-	-	-	-			

District 5											
Production - net tons											
Operators and Collieries	County	Shipped to market				Pounds			Non-fatal accidents		
		By railroad	By truck	Sold to local trade	Used at colliery and heat	Total production	Possible explosives used	Dynamite used	Days worked	Fatal deaths	
									Overs	fatal accidents	
Sebastopol Coal Co.	Luzerne	6,468	-	-	-	6,468 o	-	-	188	5	- -
Sebastopol Bank	Luzerne	-	-	-	-	-	-	-			
Silverbrook Anthracite, Inc.	Luzerne	-	-	2,384	6	2,390 p	-	-	305	7	- -
Kassa Breaker	Luzerne	-	-	2,384	6	2,390	-	-	7	-	-
Woodward Storage	Luzerne	-	-	2,384	6	2,390	-	-			
Total		-	-	-	-	-	-	-			
Taminini Construction Co.	Susquehanna	88	140	259	-	487 q b	-	-	13	4	- -
O. & W. Bank	Luzerne	58	494	1,085	8	1,645 r	-	-	40	3	- -
Vullo & Vantaggi Bank	Luzerne	-	-	-	-	-	-	-			
District Total		163,365	223,863	63,970	1,739	452,937	7,590	250	191	502	- 16

- NOTE: (a) All coal prepared at Ace Breaker.  
 (b) Abandoned during 1969.  
 (c) All coal prepared at Waddell Washery.  
 (d) All coal prepared at Booth Breaker.  
 (e) 420 tons prepared at Ace Breaker  
 3,560 tons prepared at Waddell Washery  
 38,014 Direct Sales  
 (f) All coal prepared at Huber Breaker.  
 (g) Direct Sales  
 (h) Empire Bank changed to C.B.M. Coal Co. in February 1969.  
 (i) 27,564 tons prepared at Harry E. Breaker  
 25,341 tons prepared at Jeddo No. 7 Breaker  
 (j) All coal prepared at Harry E. Breaker.
- (k) All coal prepared at Boland Breaker.  
 (l) All silt to Waddell Washery.  
 (m) 100 tons prepared at Waddell Washery  
 2,530 tons prepared at Ace Breaker  
 295 tons prepared at Harry E. Breaker  
 29,705 tons prepared at Avoca Cleaning Plant  
 (n) 9,144 tons prepared at Taylor Breaker  
 116 tons prepared at Raymond Breaker  
 (o) All coal prepared at Ziffenblatt Breaker.  
 (p) Coal from storage at Kassa Breaker for two years.  
 (q) All coal prepared at Raymond Breaker.  
 (r) All coal prepared at Penbrook Breaker.

District 6											
Production - net tons											
Operators and Collieries	County	Shipped to market				Pounds			Non-fatal accidents		
		By railroad	By truck	Sold to local trade	Used at colliery and heat	Total production	Possible explosives used	Dynamite used	Days worked	Fatal deaths	
									Overs	fatal accidents	
Blue Coal Corporation	Luzerne	7,491	3,367	6,858	25	17,741	-	-	72	6	- -
Wanamie Banks	Luzerne	96,094	43,195	87,969	289	227,547	209,475	-	245	378	- 47
Wanamie Colliery	Luzerne	2,881	1,295	2,638	10	6,824	-	-	67	5	- -
Warrior Run Banks	Luzerne	106,166	47,857	97,465	324	252,112 a	209,475	-	389	-	47
Total		-	-	-	-	-	-	-			
Ciarafoni Coal Co., Inc.	Luzerne	6,920	12,372	1,678	10	20,980 b	23,750	-	234	18	- 5
Ciarafoni Slope	Luzerne	174,900	286,216	71,653	151	532,920 c	540,525	28,950	236	369	1 70
Glen-Nan Coal Co., Inc.	Luzerne	-	-	-	-	-	-	-			
No. 3 Slope	Luzerne	-	-	-	-	-	-	-			
L. J. B., Inc.	Luzerne	943	1,549	867	29	3,388 d	-	-	19	5	- -
No. 5 Banks	Luzerne	-	-	-	-	-	-	-			

District 6

## Production - net tons

Operators and Collieries	County	Shipped to market			Total production	Pounds explosives used	Pounds dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal accidents
		By railroad	By truck	Sold to colliery local trade and heat							
Pollock, Inc., Ken Wanamie Silt Bank	Luzerne	-	311,638	-	311,638 e	-	-	253	9	-	-
Silverbrook Anthracite, Inc. No. 6 Banks	Luzerne	-	-	16,884	43	16,927 f	-	-	247	6	-
Susquehanna Coal Co. Glen Lyon Breaker	Luzerne	-	-	-	-	-	-	-	208	104	4
District Total		289,229	659,632	188,547	557	1,137,965	773,750	28,950	233	900	1 126

NOTE: (a) All coal prepared at Huber Breaker - District 5.

(d) 2,980 tons prepared at Harry E. Breaker - District 5

(b) All coal prepared at Glen Lyon Breaker.

(e) 408 tons prepared at Penbrook Breaker - District 5

(c) 160,971 tons prepared at Glen Lyon Breaker

(f) All coal shipped unprepared to United Gas Improvement

52,772 tons prepared at Huber Breaker - District 5

Hunlock Plant.

5,091 tons prepared at Kassa Breaker - District 5

(g) All coal prepared at Kassa Breaker - District 5. Ceased

1,086 tons prepared at Penbrook Breaker - District 5

operation during 1969.

District 7

Operators and Collieries	County	Shipped to market			Total production	Pounds explosives used	Pounds dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal accidents
		By railroad	By truck	Sold to colliery local trade and heat							
B-D Mining Co., Inc. B-D Fine Coal Plant	Schuylkill	38,038	5,287	-	44,025	-	-	229	20	-	3
Gilberton Bank	Schuylkill	182,098	28,664	-	210,762	-	-	36	11	-	-
St. Nicholas Slush Bank	Schuylkill	5,899	652	-	6,551	-	-	163	12	-	-
Tunnel Ridge Bank	Schuylkill	226,035	35,303	-	261,338 a	-	-	23	*	-	-
Total									43	-	3
Blaschak Coal Co., Inc. Blaschak Breaker	Schuylkill	-	-	-	-	-	-	225	28	-	3
Skidmore Slope	Schuylkill	-	-	-	b	-	-	48	1	-	-
Total		-	-	-	-	-	-	29	-	-	3
Buckley Coal Corporation Eckley Breaker	Luzerne	-	-	-	-	-	-	240	29	-	-
Capparell Coal Co., Inc. Rosa Breaker	Schuylkill	-	-	-	-	-	-	236	30	-	-
Capparell Stripping & Construction Co., Inc. Gilberton Bank	Schuylkill	4,081	3,570	4,973	129	12,753	-	196	10	-	-
Kohinoor Bank	Schuylkill	6,240	5,460	7,590	110	19,130	-	190	14	-	-
William Penn Bank	Schuylkill	2,003	1,753	2,411	61	6,261	-	40	20	-	-
Total		12,324	10,783	15,004	333	38,444 c	-	144	-	-	-
Coleby Coal Co., Inc. Audenried Bank	Schuylkill	11,179	-	-	11,179	-	-	20	3	-	-
Candleton Bank	Schuylkill	49,389	-	-	49,389	-	-	180	6	-	-

District 7

## Production - Net tons

Operators and Collieries	County	Shipped to market			Total production	Pounds explosives used	Pounds dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal accidents
		By railroad	By truck	Sold to colliery local trade and heat							
Coleby Coal Co., Inc. (Continued) Candleton Washery	Schuylkill	-	-	-	60,568	-	-	180	6	-	1
Total		60,568	-	-	60,568 d	-	-	15	-	-	-
DiCasimirro Contracting Co. North Mahanoy Bank	Schuylkill	4,224	6,694	5,375	170	16,163	-	130	4)	-	-
Pleasant Hill Bank	Schuylkill	761	964	960	-	2,685	-	56	)	-	-
Total		4,985	7,658	6,335	170	19,148 e	-	4	-	-	-
E. & M. Coal Co. Skidmore Slope	Schuylkill	-	-	-	f	-	-	105	2	-	-
Farace Coal Co., Inc., J. Jr. Junedale Bank	Carbon	241	125	167	-	833 g	-	11	5	-	-
Forgoch Brothers Coal Co. Buck Mountain Slope	Schuylkill	25	10	319	-	354 h	425	200	200	2	-
Forsum Coal Co., Inc. No. 7 Little Buck Slope	Schuylkill	91	44	152	-	587 h i	400	200	115	*	-
Generose Coal Co., J. Buck Mountain Bank	Carbon	11,063	2,813	4,875	-	18,751 j	-	200	5	-	-
Gilberton Coal Co. Mahanoy City Bank	Schuylkill	507	823	656	-	1,986 k	-	18	*	-	-
Gowen Coal Co. Gowen Breaker	Luzerne	-	-	-	-	-	-	158	14	-	-
Gowen Cleaning Plant	Luzerne	-	-	-	-	-	-	158	4	-	-
Total		-	-	-	-	-	-	18	-	-	-
Honeybrook Mines, Inc. Audenried Bank	Schuylkill	16,437	5,804	27,305	-	49,546	-	109	3	-	-
Beaver Brook Bank	Luzerne	2,609	921	4,335	-	7,865	-	74	4	-	-
Candleton Bank	Schuylkill	1,619	387	1,022	-	3,028	-	11	3	-	-
Honeybrook Breaker	Schuylkill	-	-	-	-	-	-	225	27	-	4
Total		20,665	7,112	32,662	-	60,139 g	-	37	-	-	-
Huss, George Beaver Brook Bank	Luzerne	-	33,005	-	33,005	-	-	237	4	-	-
Total		-	33,005	-	33,005 l	-	-	237	4	-	-
Jeddo-Highland Coal Co. Highland No. 5 Bank	Luzerne	140,046	112	-	311	140,469	-	256	9	-	-
Highland No. 5 Breaker	Luzerne	-	-	-	-	-	-	216	27	-	1
Jeddo No. 7 Breaker	Luzerne	-	-	-	-	-	-	234	62	1	3
Total		140,046	112	-	311	140,469 m	-	98	1	4	-
Kassa Coal Co. No. 4 Slope	Carbon	-	-	5,486	14	5,500 n	800	-	240	4	-

District 7 Production - net tons													
Operators and Collieries	County	Shipped to market		Sold	Used at	Total production	Pounds	Pounds	Days worked	Empl- oyes	Fatal acci- dents	Non-fatal acci- dents	
		By railroad	By truck	to local trade	colliery for steam and heat		permis- sible ex- plosives used						
							dynamite used						
Lee Mining Co., Inc., J. F. Drifton No. 1 Slope	Luzerne	4,445	7,009	5,642	-	17,096 o	7,000	-	204	12	-	-	
Lehigh Valley Anthracite, Inc.													
Admiral Bank	Luzerne	22,399	13	-	-	22,412	-	-	85	6	-	-	
Buck Mountain Bank	Schuylkill	650	999	1,180	17	2,846	-	-	30	3	-	-	
Hazleton No. 1 Silt Bank	Luzerne	66,757	40	-	-	66,797	-	-	128	11	-	-	
Hazleton Shaft Bank	Luzerne	28,877	21,867	5,298	396	56,138	-	-	186	5	-	-	
Hazleton Shaft 1A Bank	Luzerne	10,920	7	-	-	10,927	-	-	8	4	-	-	
Hazleton Shaft Breaker	Luzerne	-	-	-	-	-	-	-	115	87	-	6	
Hazleton Shaft Cleaning Plant	Luzerne	-	-	-	-	-	-	-	208	27	-	3	
Hazleton Shaft Silt Bank	Luzerne	19,643	12	-	-	19,655	-	-	34	4	-	-	
Lion Breaker	Luzerne	-	-	-	-	-	-	-	163	18	-	-	
Jeanesville Fine Bank	Luzerne	550	496	105	9	1,160	-	-	12	*	-	-	
Morea Bank	Schuylkill	23,532	36,132	42,693	605	102,962	-	-	231	10	-	-	
Morea Breaker	Schuylkill	-	-	-	-	-	-	-	231	24	-	8	
Total		173,328	59,566	49,276	1,027	283,197 p	-	-	199	-	17	-	
Maksimik Coal Co.	Schuylkill	590	496	695	-	1,781 c	-	-	50	7	-	-	
Kehley Run Bank	Schuylkill	-	-	-	-	-	-	-	310	3	-	-	
Mazaika Brothers Coal Co.	Schuylkill	-	-	-	-	-	-	-	31	2	-	-	
Mazaika Breaker	Schuylkill	-	-	-	-	-	-	-	211	3	-	-	
McAdoo Mining Co.	Carbon	-	-	-	-	-	q	-	-	14	3	-	-
Wharton Slope	Schuylkill	-	-	768	-	768 r	450	-	120	3	-	-	
Olman & Company	Schuylkill	1,402	1,051	1,051	-	3,504 s	-	-	62	8	-	-	
Buck Mountain Slope	Schuylkill	69	26	954	-	1,049 h	500	-	233	14	-	-	
Phoenix Contracting Co.	Schuylkill	-	-	-	-	-	-	-	110	11	-	-	
St. Nicholas Railroad Bank	Schuylkill	-	-	-	-	-	-	-	233	9	-	-	
Pleasant Hill Coal Co.	Schuylkill	-	-	-	-	-	-	-	233	32	-	4	
Skidmore Drift	Schuylkill	-	-	-	-	-	-	-	66	-	4	-	
Racho, George	Luzerne	-	12,055	-	-	12,055 t	-	-	-	-	-	-	
Lattimer Bank	Schuylkill	85,376	80	1,809	-	87,265	-	-	233	14	-	-	
Reading Anthracite Co.	Schuylkill	-	-	-	-	-	-	-	110	11	-	-	
Ellangown Bank	Schuylkill	81,303	-	-	-	81,303	-	-	233	9	-	-	
Maple Hill Cleaning Plant	Schuylkill	-	-	-	-	-	-	-	233	32	-	4	
St. Nicholas Slush Bank	Schuylkill	-	-	-	-	-	-	-	66	-	4	-	
St. Nicholas Fine Coal Plant	Schuylkill	-	-	-	-	-	-	-	173	7	-	2	
Total		166,679	80	1,809	-	168,568 u	-	-	301	10	-	2	
Starwood Coal Corporation	Schuylkill	77	94	1,235	-	1,406	900	-	173	7	-	2	
No. 1 Slope	Schuylkill	-	-	-	-	-	-	-	17	-	-	-	
Starwood Breaker	Schuylkill	77	94	1,235	-	1,406 v	900	-	17	-	-	-	
Total		17	-	-	-	-	-	-	-	-	-	-	

District 7 Production - net tons												
Operators and Collieries	County	Shipped to market		Sold	Used at	Total production	Pounds	Pounds	Days worked	Empl- oyes	Fatal acci- dents	Non-fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat		permis- sible ex- plosives used					
							dynamite used					
Valley Coal Co.	Schuylkill	-	-	-	-	-	-	-	62	2	-	-
Valley Breaker	Schuylkill	-	-	-	-	-	-	-	83	3	-	-
Wesner Coal Co.	Schuylkill	-	-	-	-	-	-	-	59	1	-	-
Wesner Breaker	Schuylkill	934	1,488	1,208	-	3,630 o	-	-	-	-	-	-
White Coal Co.	Gilberton Bank	-	-	-	-	-	-	-	-	-	-	-
District Total		824,074	179,653	128,894	1,855	1,134,476	10,475	400	181	702	1	38

- NOTE: (a) All coal prepared at B-D Fine Coal Plant.  
 \* Men were transferred to Mahanoy City Bank of Gilberton Coal Co.  
 (b) Slope used for pumping only.  
 (c) All coal prepared at Rosa Breaker.  
 (d) All coal prepared at Candleton Washery.  
 (e) 18,094 tons prepared at Elaschak Breaker  
 1,054 tons prepared at Rosa Breaker  
 (f) New operation - no coal produced during 1969.  
 (g) All coal prepared at Honeybrook Breaker.  
 (h) All coal prepared at Starwood Breaker.  
 (i) Men were transferred to Hard Top Coal Company, District 8.  
 (j) All coal prepared at Eckley Breaker.  
 (k) 1,570 tons prepared at Blaschak Breaker  
 416 tons prepared at Black Heath Breaker - District 12.  
 \* Men were transferred to Pleasant Hill Bank  
 (l) All coal prepared at Beaver Brook Washery.  
 (m) All coal prepared at Highland No. 5 Breaker.  
 (n) All coal prepared at Kassa Breaker - District 5.  
 (o) All coal prepared at Elaschak Breaker.
- (p) 119,791 tons prepared at Lion Breaker  
 105,808 tons prepared at Morea Breaker  
 34,861 tons prepared at Hazleton Shaft Breaker  
 22,737 tons prepared at Jedd No. 7 Breaker  
 (q) Timbering slope only - no coal produced during 1969.  
 (r) All coal prepared at Mountain Side Breaker - District 12.  
 (s) All coal prepared at Black Heath Breaker - District 12.  
 (t) All coal shipped unprepared to Pennsylvania Power & Light Co.  
 (u) 166,471 tons prepared at St. Nicholas Fine Coal Plant  
 2,097 tons prepared at Starwood Breaker  
 (v) 858 tons prepared at Starwood Breaker  
 548 tons prepared at Mazaika Breaker  
 This mine was formerly operated by Alessi Coal Co. who produced 290 tons, used 150 lbs. explosives, worked 61 days with 4 men; changed to Bubel Coal Co. on July 1, 1969 who produced 621 tons, used 450 lbs. of explosives, worked 50 days with 5 men; changed to Angelo Peca Coal Co. on October 1, 1969, who produced 192 tons, used 300 lbs. of explosives, worked 62 days with 7 men; changed name of company to Starwood Coal Corp. on December 1, 1969.

District 8												
Operators and Collieries	County	Shipped to market		Sold	Used at	Total production	Pounds	Pounds	Days worked	Empl- oyes	Fatal acci- dents	Non-fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat		permis- sible ex- plosives used					
							dynamite used					
A. D. G. Coal Co.	Columbia	501	-	3,349	-	3,850 a	1,350	-	281	4	-	-
Buck Mountain Slope	Schuylkill	12,784	20,159	16,226	-	49,169 b	-	-	190	3	-	-
Bottella Coal Co., James Packer No. 3 Bank	Columbia	-	10,500	-	-	10,500 c	2,000	-	275	5	-	-
Burnrite Coal Co.	Schuylkill	133	116	166	-	415 d *	-	-	8	5	-	-
No. 2 Lykens Vein Slope	Columbia	-	-	-	-	-	-	-	-	-	-	-
Capparell Stripping & Construction Co.	Schuylkill	-	-	-	-	-	-	-	-	-	-	-
Packer No. 5 Bank	Schuylkill	-	-	-	-	-	-	-	-	-	-	-

Operators and Collieries	District 8							Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal acci- dents					
	County	Production - net tons			Total production:	Pounds permiss- able ex- plosives used											
		Shipped to market:	Sold to local trade	Used at colliery for steam and heat													
D. R. Z. Coal Co.	North'd	-	325	139	-	464 e	400	-	67	2	-	-					
No. 5 Vein Slope	Schuylkill	333	394	773	15	1,515 f *	300	-	203	3	-	-					
Dyszel Brothers Coal Co.																	
Buck Mountain Slope																	
Gangloff Brothers																	
Richardson Bank																	
Hanks Coal Co.																	
No. 2 Iykins Vein Slope	North'd	-	246,000	-	-	246,000 g	-	-	258	3	-	-					
Hard Top Coal Co.	North'd	240	-	841	11	1,092 h	600	-	72	2	-	-					
Buck Mountain Slope	Schuylkill	115	1,328	1,662	-	3,105 i	1,200	-	115	3	-	-					
K. & C. Coal Co.	Schuylkill	27	31	62	1	121 f	50	-	75	3	-	-					
Buck Mountain Slope	Schuylkill	337	-	1,402	36	1,775 j*	-	-	37	4	-	-					
K. & M. Excavating Co.																	
Luke Fidler Bank																	
Kaleta Brothers Coal Co.																	
No. 8 & 9 Vein Slope	North'd	-	1,680	720	-	2,400 e	800	100	180	2	-	-					
Lehigh Valley Anthracite, Inc.	Schuylkill	-	-	-	-	-	-	-	200	77	-	27					
Mammuth Breaker	Columbia	42	765	53	-	860 k *	-	-	61	2	-	-					
M. & J. Coal Co.	Columbia	-	2,433	1,043	-	3,476 e	1,200	-	216	4	-	-					
Centralia Bank	Schuylkill	8,675	13,680	11,010	-	33,365	2,400	10,800	217	22	1	-					
M. & S. Coal Co.	Schuylkill	-	-	-	-	-	-	-	217	1	-	-					
Holmes Slope																	
Marion Mining Co., Inc.																	
Connerton Drift Cleaning Plant																	
Total		8,675	13,680	11,010	-	33,365 b	2,400	10,800	23	1	-	-					
Mickey Coal Co.																	
Diamond Vein Slope																	
Morack Coal Co.	Schuylkill	423	211	2,386	-	3,020 l	1,400	-	222	5	-	-					
Buck Mountain Slope	Columbia	-	-	-	-	- #	-	-	60	1	-	-					
Polcovich Coal Co.																	
Seven Foot Vein Slope																	
Poponiak Brothers Coal Co.	Columbia	4,240	1,664	3,612	24	9,540 m	1,200	1,800	232	8	-	-					
No. 6 & 7 Vein Slope	North'd	162	-	1,082	-	1,244 a	635	-	173	3	-	-					
Ron Lee Coal Co.																	
Acme Bank	North'd	809	-	5,417	-	6,226 a *	-	-	117	2	-	-					
S. & D. Coal Co.	North'd	-	-	-	-	- #	-	-	101	3	-	-					
No. 2 Rock Slope																	
State Coal Co., Inc.																	
State Breaker	North'd	-	-	-	-	-	-	-	101	3	-	-					
Natalie Bank	North'd	3,012	3,518	393	-	6,923	-	-	223	35	-	9					
									20	10	-	-					

Operators and Collieries	District 8							Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal acci- dents					
	County	Production - net tons			Total production:	Pounds permiss- able ex- plosives used											
		Shipped to market:	Sold to local trade	Used at colliery for steam and heat													
State Coal Co., Inc. (Continued)	North'd	10,681	12,475	1,387	-	24,543 *	-	-	109	18	-	-					
Total		13,693	15,993	1,780	-	31,466 n	-	-	63	-	-	9					
Sun Coal Co., Inc.	North'd	-	-	-	-	-	-	-	291	17	-	7					
Diamond Breaker																	
Swamp Coal Co.																	
No. 9½ Vein Slope	North'd	-	762	326	-	1,088 e	500	-	136	4	-	-					
White Birch Coal Co.																	
Buck Mountain Slope	Schuylkill	-	-	-	-	- #	-	-	48	2	-	-					
White Coal Co.																	
Diamond Vein Slope	Schuylkill	63	32	359	-	454 l	250	-	92	3	-	-					
Zukus Coal Co.																	
No. 4 Vein Slope	North'd	-	420	180	-	600 e	350	-	62	3	-	-					
District Total		42,577	316,493	52,588	87	411,745	14,635	12,700	183	259	1	43					

NOTE: (a) All coal prepared at Split Vein Breaker - District 11.	(j) All coal prepared at Diminick Breaker - District 11.
(b) All coal prepared at Blaschak Breaker - District 7.	(k) 700 tons prepared at Ace Breaker - District 11.
(c) All coal shipped direct to Merck Chemical Co., Danville, Pa.	160 tons prepared at Blaschak Breaker - District 7
(d) All coal prepared at Rosa Breaker - District 7.	(l) All coal prepared at Malho Breaker - District 9.
(e) All coal prepared at Swift Breaker - District 11.	6,185 tons prepared at Mammoth Breaker - District 8
(f) All coal prepared at Reichwein & Beury Breaker - District 9.	3,355 tons prepared at Split Vein Breaker - District 11
(g) All coal shipped direct to Pennsylvania Power & Light Co.	(n) All coal prepared at State Breaker - District 8.
(h) All coal prepared at Hoover Breaker - District 11.	# No production
(i) 1,280 tons prepared at Starwood Breaker - District 7.	*
1,825 tons prepared at Swift Breaker - District 11	Suspended operations during 1969

District 9																		
Operators and Collieries	County	Production - net tons							Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal acci- dents					
		Shipped to market:	By railroad	By truck:	Sold to local trade	Used at colliery for steam and heat	Total production:	Pounds permiss- able ex- plosives used										
Al-Mar Coal Co.	North'd	-	3,264	1,399	-	4,663 a	6,100	-	312	5	-	-						
No. 2 Slope						b	-	-	303	6	-	-						
Ashland Community Enterprises	Schuylkill	-	-	-	-	-	-	-										
Pioneer Tunnel																		
B. & E. Coal Co.	North'd	-	655	-	-	655 c	400	-	123	3	-	-						
No. 9 Vein Slope																		
B. & S. Coal Co.	North'd	118	2,795	406	-	3,319 d	2,200	-	189	4	-	-						
Primrose Slope																		
C. & P. Coal Co.	Columbia	2,976	1,296	528	-	4,800 e	7,500	-	301	7	-	-						
Merriam Slope																		

## District 9

Operators and Collieries	County	Production - net tons				Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents
		Shipped to market		Sold	Used at						
		By railroad	By truck	local	colliery						
				for steam	and heat	Total					
Conyngham Contracting Co.											
Reliance Bank	North'd	1,843	64	893	96	2,896	f	-	40	6)	-
Locust Gap Bank #63	North'd	4,167	-	2,155	89	6,411	g	-	71	)	-
Total		6,010	64	3,048	185	9,307	-	-	6	-	-
Ennis Coal Co.											
Locust Run Slope	Columbia	1,045	454	185	-	1,684	e	3,720	-	281	3
G. M. P. Coal Co.	North'd	1,158	1,567	15,807	329	18,861	h	1,700	-	240	20
Mammoth Slope											
Gangloff Brothers											
Scott Bank	North'd	-	184,000	-	-	184,000	i	-	189	3	-
Kerrigan, Paul											
Kerrigan Table Plant	Schuylkill	-	-	-	-	-	-	-	49	4)	-
Millersville Bank	Schuylkill	1,361	-	-	-	1,361	-	-	46	)	-
Total		1,361	-	-	-	1,361	j	-	4	-	-
Lone Pine Coal Co.											
No. 4 Vein Slope	North'd	-	3,725	-	-	3,725	c	700	-	258	3
Malho Coal Co.											
Malho Breaker	Schuylkill	-	-	-	-	-	-	-	303	4	-
R. & L. Coal Co.											
Germantown Slope	Columbia	463	201	82	-	746	g	2,300	-	99	4
Ranshaw Transportation & Auto Wreckers Co.											
Locust Gap Trap Rock	North'd	-	1,500	-	-	1,500	k	-	22	6	-
Reading Anthracite Co.											
Locust Summit Breaker	North'd	7,373	2,033	4,451	-	13,874	l	-	235	4	-
Merriam No. 1 Silt Bank	North'd	10,485	2,391	5,518	17	18,394	m	-	174	5	-
Locust Gap Silt Bank No. 12	North'd	-	-	-	-	-	n	-	72	5	-
Total		17,858	4,424	9,969	17	32,268	-	-	11	-	-
Reichwein & Beury Coal Co.											
Reichwein & Beury Breaker	Schuylkill	-	-	-	-	-	-	-	263	3	-
Sanders Coal Co.											
No. 9 Vein Slope	North'd	-	1,918	-	-	1,918	c	850	-	223	4
Savitski Brothers Coal Sales											
Savitski Breaker	North'd	-	-	-	-	-	o	-	254	6	-
No. 1 Shaft	North'd	-	-	-	-	-	-	-	254	1	-
Total		-	-	-	-	-	-	-	7	-	-
Scott Coal Co.											
No. 7 Vein Slope	Columbia	1,142	505	962	-	2,609	p	3,700	-	256	3
State Coal Co., Inc.											
Locust Gap Bank	North'd	12,588	21,484	1,532	-	35,604	-	-	42	10)	-
Excelsior Bank	North'd	18,182	6,732	834	-	25,748	-	-	48	)	-
Total		30,770	28,215	2,365	-	61,352	q	-	10	-	-

## District 9

Operators and Collieries	County	Production - net tons				Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents
		Shipped to market		Sold	Used at						
		By railroad	By truck	local	colliery						
				for steam	and heat	Total					
Zanella Brothers Coal Co.											
Primrose Slope	North'd	537	1,455	-	-	1,992	r	2,450	-	239	6
District Total		63,438	236,039	34,752	531	334,760		31,620	-	200	125
											1

NOTE: (a) All coal prepared at Swift Breaker - District 11.  
(b) Conducted mine tour and maintenance only.  
(c) All coal prepared at D. & Z. Breaker - District 11.  
(d) 1,354 tons prepared at Swift Breaker - District 11  
1,965 tons prepared at Reidinger Breaker - District 11  
(e) All coal prepared at Mammoth Breaker - District 8.  
(f) 493 tons prepared at New St. Nicholas Breaker - District 12  
2,403 tons prepared at Diamond Breaker - District 8  
(g) All coal prepared at Diamond Breaker - District 8.  
(h) 3,518 tons prepared at Blaschak Breaker - District 7  
1,718 tons prepared at Malho Breaker  
7,804 tons prepared at Bar Mac Breaker - District 11  
5,751 tons prepared at G. M. P. Breaker - District 11

(j) All coal prepared at Kerrigan Table Plant.  
(k) All coal prepared at Ranshaw Washery - District 10.  
(l) Bagging and loading coal prepared at other breakers.  
(m) 4,400 tons prepared at Diamond Breaker - District 8  
6,610 tons prepared at New St. Nicholas Breaker - Dist. 12  
2,864 tons prepared at Blaschak Breaker - District 7  
(n) All coal prepared at New St. Nicholas Breaker - Dist. 12  
(o) Pumping only  
(p) 992 tons prepared at Malho Breaker  
1,617 tons prepared at Mammoth Breaker - District 8  
(q) All coal prepared at State Breaker - District 8.  
(r) All coal prepared at Reidinger Breaker - District 11.

## District 10

Operators and Collieries	County	Production - net tons				Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents
		Shipped to market		Sold	Used at						
		By railroad	By truck	local	colliery						
				for steam	and heat	Total					
Alarcon Coal Co.											
No. 3 Slope	North'd	142	12,532	1,566	-	14,240	a	15,000	-	285	8
B. & B. Coal Co.											
No. 2 Slope	North'd	370	5,180	1,850	1	7,401	b	1,750	675	266	4
Bell Coal Co.											
No. 4 Slope	North'd	250	3,625	1,294	1	5,170	b	3,275	-	245	3
Chestnut Coal Co.											
No. 5 Vein Rock Slope	North'd	-	-	450	-	450	c	200	-	112	3
Clay Coal Co.											
No. 9½ Vein Slope	North'd	-	798	343	-	1,141	d	800	-	185	3
D. & S. Coal Co.											
Zero Vein Slope	North'd	-	7,949	-	-	7,949	e	700	-	278	4
Duke Associates											
No. 4 Rock Slope	North'd	-	3,101	1,330	-	4,431	f	3,250	-	235	3
Duke Mining Co.											
No. 5 Rock Slope	North'd	-	6,916	2,964	-	9,880	f	6,850	-	235	5
Four Partners Coal Co.											
No. 9½ Vein Slope	North'd	-	1,634	696	-	2,330	f *	800	-	236	5

District 10												
Operators and Collieries	County	Production - net tons				Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents	
		Shipped to market		Sold	Used at							
		By railroad	By truck	to colliery	for steam							
		trade	and heat	Total production	used							
Glen Burn Colliery, Inc.												
Glen Burn Breaker	North'd											
Tharptown Bank	North'd											
Total		3,194	3,871	2,613	-	9,678	-	-	163	50	-	
H. & S. Coal Co.												
Glen Burn Drift	North'd	7,288	8,834	5,962	-	22,084 g	15,475	-	227	21	1	7
K. & K. Coal Co.												
No. 5 Vein Rock Slope	North'd	-	624	267	-	891 f	950	-	270	3	-	-
M. G. & S. Coal Co.												
No. 3 Slope	North'd	250	3,400	1,220	1	4,871 b	1,200	-	226	5	-	-
Maurer Coal Co., Paul												
Zero Vein Slope	North'd	393	5,504	1,964	1	7,862 b	1,300	-	245	5	-	-
Motto Partnership Coal Co.												
No. 10 Vein S. D. Slope	North'd	-	2,234	-	-	2,234 d	1,200	-	235	2	-	-
Mountain View Coal Co.												
No. 1 Slope	North'd	-	9,778	4,190	-	13,968 f	3,700	-	258	6	-	-
P. & R. Coal Co.												
No. 5 Vein Rock Slope	North'd	242	-	1,775	-	2,017 h	600	-	230	2	-	-
Peacock Coal Co.												
No. 11 Vein Slope	North'd	-	-	20	-	20 f	25	-	10	2	-	-
Pine Line Coal Co.												
No. 10 Vein Drift	North'd	4,214	5,108	3,448	-	12,770 g	21,000	-	291	7	-	-
Ranshaw Transportation & Auto Wreckers Co.												
Ranshaw Washery	North'd	-	-	-	-	-	-	-	150	4	-	-
Rosini Coal Co.												
Carbon Run Breaker	North'd	-	-	-	-	-	-	-	254	10	-	-
S. & C. Coal Co.												
No. 4 Slope	North'd	276	3,857	1,378	1	5,512 b	2,500	-	259	6	-	-
Split Vein Coal Co., Inc.												
No. 2 Slope	North'd	638	-	4,682	-	5,320 h	4,000	-	305	9	-	1
State Coal Co., Inc.												
Colbert Bank	North'd	12,508	10,546	1,471	-	24,525 i *	-	-	31	7	-	-
Sunshine Coal Co.												
Sunshine Breaker	North'd	-	-	-	-	-	-	-	308	7	-	1
Tower Coal Co.												
No. 1 Slope	North'd	-	-	30	-	30 b	25	-	20	3	-	-
Twin Oaks Coal Co.												
No. 4 Slope	North'd	150	2,098	747	1	2,996 b	1,250	-	260	3	-	-
West Cameron Coal Co.												
No. 2 Vein Slope	North'd	-	6,497	2,784	-	9,281 j	4,800	-	259	5	-	-
District Total		29,915	104,086	43,044	6	177,051	90,650	675	211	198	1	22

District 10												
Operators and Collieries	County	Production - net tons				Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents	
		Shipped to market		Sold	Used at							
		By railroad	By truck	to colliery	for steam							
		trade	and heat	Total production	used							
NOTE: (a) All coal prepared at Carbon Run Breaker - District 10.						(e) 5,742 tons prepared at Ace Breaker - District 11.						
(b) All coal prepared at Sunshine Breaker.						1,002 tons prepared at Swift Breaker - District 11.						
(c) 150 tons prepared at D. & Z. Breaker - District 11						1,205 tons prepared at D. & Z. Breaker - District 11.						
300 tons prepared at K. & D. Breaker - District 11						(f) All coal prepared at Swift Breaker - District 11.						
Chestnut Coal Co. formerly operated by Paul Wehrly Coal Co.,						(g) All coal prepared at Glen Burn Breaker.						
who produced 300 tons, used 150 lbs. of explosives, worked						(h) All coal prepared at Split Vein Breaker - District 11.						
102 days with same men - changed ownership in November, 1969.						(i) All coal prepared at State Breaker - District 8.						
(d) All coal prepared at D. & Z. Breaker - District 11.						(j) 5,411 tons shipped direct to Merck Chemical Co., Danville, Pa.						
* Ceased operations during 1969.						3,134 tons prepared at Swift Breaker - District 11						
						736 tons prepared at Reidinger Breaker - District 11						

District 11												
Operators and Collieries	County	Production - net tons				Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal acci- dents	Non- fatal accidents	
		Shipped to market		Sold	Used at							
		By railroad	By truck	to colliery	for steam							
		trade	and heat	Total production	used							
Ace Coal Sales												
Ace Breaker	North'd	-	-	-	-	-	-	-	113	1	-	-
Bank Coal Co., Inc.												
10 Vein S. D. Slope	North'd	-	16,417	-	-	16,417 a	9,600	-	298	9	-	-
Bush Coal Co.												
11 Vein S.D. No. 1 Rock Slope	North'd	2,948	7,969	-	-	10,917 b	3,750	-	254	5	-	-
D. H. & W. Coal Co.												
9½ Vein N. D. 1 & 4 Slopes	North'd	307	14,661	1,533	-	16,501 c	6,000	-	238	8	-	-
D. & M. Coal Co.												
1 Vein S. D. 1 & 2 Slopes	North'd	90	2,945	449	-	3,484 d	2,160	-	250	3	-	-
D. & Z. Coal Co.												
D. & Z. Breaker	North'd	-	-	-	-	-	-	-	163	8	-	-
Diminick Coal Sales										304	4	-
Diminick Breaker	North'd	-	-	-	-	-	-	-				
4-D Coal Co.												
11 Vein N.D. 1 & 2 Slopes	North'd	-	7,003	-	-	7,003 e	8,250	-	297	8	-	-
G. M. P. Coal Co., Inc.												
G. M. P. Breaker	North'd	-	-	-	-	- f	-	-	97	5	-	-
Gem Coal Co., Inc.												
11 Vein S.D. 2 & 3 Slopes	North'd	173	19,173	865	-	20,211	10,000	-	312	10	-	3
11 Vein N.D. No. 4 Slope	North'd	-	4,117	-	-	4,117	2,620	-	269	5	-	-
Total		173	23,290	865	-	24,328 g	12,620	-	15	-	-	3
Grego & Deitz Coal Co.												
9½ Vein S. D. No. 2 Slope	North'd	1,045	2,826	-	-	3,871 b	2,050	-	254	3	-	-
H. J. & H. Coal Co., Inc.												
H. J. & H. Breaker	North'd	-	-	-	-	-	-	-	288	7	-	-
Hoover Mining Co., Inc.												
Hoover Breaker	North'd	-	-	-	-	-	-	-	308	3	-	-

## District 11

## Production - net tons

Operators and Collieries	County	Shipped to market				Total production	Pounds explosives used	Pounds dynamite used	Days worked	Fatal accidents	Non-fatal accidents
		Sold by railroad	Sold by truck	Used at local trade	Used at colliery and heat						
K. & D. Coal Co.	North'd	-	-	-	-	-	h	-	-	28	3
K. & D. Breaker											-
Lady Luck Coal Co.	North'd	-	199	-	-	199	i	110	-	94	3
No. 1 Vein S. D. Slope	North'd	-	-	-	-	-	-	-	-	60	6
Lower Region Colliery	North'd	-	-	-	-	-	-	-	-	71	2
Lower Region Washery	North'd	-	-	-	-	-	j	240	-	257	4
M. & Z. Coal Co.	North'd	-	-	-	-	-	-	-	-	240	6
Zero Iyken S. D. Drift	North'd	-	-	-	-	-	-	-	-	106	3
Marquette Coal Co.	North'd	-	3,100	-	-	3,100	k	1,150	-	292	7
No. 12 Vein S. D. Slope	North'd	8	5,398	37	-	5,443	l	2,280	-	240	-
Moore Coal Co.	North'd	28	385	137	-	550	m	280	-	106	3
No. 11 Vein S. D. 5, 6 & 7 Slopes	North'd	198	5,196	989	-	6,383	n	3,000	-	240	-
N. & L. Coal Co.	North'd	-	-	-	-	-	-	-	-	219	19
No. 4 Vein West Cross Pitch Slope	North'd	-	20,323	11	6,800	-	27,134	-	-	219	2
Phillips Coal Co.	North'd	-	27,628	15	9,245	-	36,888	-	-	219	3
No. 10 & 10½ Veins 3 & 4 Slopes	North'd	-	-	-	-	-	-	-	-	219	1
Reading Anthracite Co.	North'd	-	-	-	-	-	-	-	-	219	-
Trevorton Breaker	North'd	-	-	-	-	-	-	-	-	274	6
Trevorton Refuse Bank 228	North'd	-	-	-	-	-	-	-	-	293	4
Trevorton Slush Bank 57-1	North'd	-	-	-	-	-	-	-	-	300	14
Total	North'd	-	47,951	26	16,045	-	64,022	o	-	219	-
Reidinger Coal Service, Inc.	North'd	-	-	-	-	-	-	-	-	274	2
Reidinger Breaker	North'd	-	-	-	-	-	-	-	-	293	-
Slo-Burn Coal Co., Inc.	North'd	-	-	-	-	-	-	-	-	300	-
Slo-Burn Washery	North'd	-	-	-	-	-	-	-	-	307	8
Split Vein Coal Co., Inc.	North'd	-	-	-	-	-	-	-	-	253	-
Split Vein Breaker	North'd	-	-	-	-	-	#	-	-	290	-
Springfield Coal Co.	North'd	-	-	-	-	-	-	-	-	213	6
No. 7 & 5 Veins No. 1 Drift	North'd	-	-	-	-	-	-	-	-	213	-
Swift Coal Sales	North'd	-	-	-	-	-	-	-	-	213	-
Swift Breaker	North'd	-	-	-	-	-	-	-	-	213	-
T. & L. Coal Co.	North'd	-	-	-	-	-	-	-	-	213	-
Zero Iyken S. D. Slope	North'd	435	2,147	2,656	-	5,238	p	1,000	-	213	-
T. & M. Coal Co.	North'd	42	3,710	464	-	4,216	q	2,225	-	213	-
No. 11 Vein S. D. No. 2 Slope	North'd	-	-	-	-	-	-	-	-	213	-
Whitney Coal Co., Inc.	North'd	-	-	-	-	-	-	-	-	213	-
No. 11 Vein S. D. 2 & 3 Slopes	North'd	-	-	-	-	-	-	-	-	213	-
District Total		53,225	100,126	23,175	-	176,526	57,015	-	-	234	188
											6

## District 11

## Production - net tons

Operators and Collieries	County	Shipped to market				Total production	Pounds explosives used	Pounds dynamite used	Days worked	Fatal accidents	Non-fatal accidents
		Sold by railroad	Sold by truck	Used at local trade	Used at colliery and heat						
NOTE: (a) All coal prepared at Slo-Burn Washery.		(i)									
(b) All coal prepared at Reidinger Breaker.											
(c) 6,135 tons prepared at Sunshine Breaker - District 10											
7,495 tons prepared at H. J. & H. Breaker											
2,871 tons prepared at D. & Z. Breaker											
(d) 1,797 tons prepared at Sunshine Breaker - District 10											
1,687 tons prepared at H. J. & H. Breaker											
(e) All coal prepared at H. J. & H. Breaker. Mine formerly operated by H. J. & H. Coal Co. who produced 1,483 tons, used 450 pounds of explosives, worked 51 days, with 5 men - changed to 4-D Coal Co. in March 1969.											
(f) Breaker formerly operated by Bar Mac Coal Co. - worked 223 days with 5 employees - changed to G.M.P. Coal Co. in September 1969.											
(g) 20,229 tons prepared at H. J. & H. Breaker											
610 tons prepared at Ace Breaker											
3,459 tons prepared at Sunshine Breaker - District 10											
No. 4 Slope was formerly operated by Chestnut Coal Co. who produced 2,717 tons, used 1,020 pounds explosives, worked 165 days with 5 men - changed to Gem Coal Co. in September 1969.											
(h) Ceased operations during 1969.											

## District 12

Operators and Collieries	County	Shipped to market				Total production	Pounds explosives used	Pounds dynamite used	Days worked	Fatal accidents	Non-fatal accidents
		Sold by railroad	Sold by truck	Used at local trade	Used at colliery and heat						
A. & D. Coal Co.	Schuylkill	104	1,351	518	3	1,976	a	3,750	-	228	4
Mammoth Slope											-
Adams Co., Inc., Robert	Schuylkill	-	-	-	-	-	b	-	-	60	2
Kaska Bank	Schuylkill	-	-	-	-	-	-	-	-	76	6
Bernitsky Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	135	4
Bernitsky Breaker	Schuylkill	-	95	968	7	1,070	c	1,000	-	10	-
No. 1 Slope	Schuylkill	-	95	968	7	1,070	c	1,000	-		
Total	Schuylkill	-	-	-	-	-	-	-	-		
Bernitsky & Stenulis Partnership	Schuylkill	-	-	5,313	54	5,376	d	3,000	-	235	7
Bottom Split Slope	Schuylkill	-	-	-	-	-	-	-	-		
Bubel Mining Co., Inc.	Schuylkill	302	1,130	1,868	18	3,318	e	2,200	-	217	6
Holmes Slope	Schuylkill	-	-	-	-	-	-	-	-	157	9
Cass Contracting Co.	Schuylkill	-	-	-	-	-	-	-	-	205	16
Marlin Breaker	Schuylkill	-	-	-	-	-	-	-	-	113	24
Correale Construction Co.	Carbon	-	-	-	-	-	-	-	-	40	-
Nesquehoning Cleaning Plant	Carbon	9,926	9,721	26,469	-	46,116	r	-	-		
Nesquehoning Bank	Carbon	9,926	9,721	26,469	-	46,116	r	-	-		
Total	Carbon	9,926	9,721	26,469	-	46,116	r	-	-		

District 12 Production - net tons											Non-fatal accidents			
Operators and Collieries	County	Shipped to market		Sold to local trade		Used at colliery for steam and heat		Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Empl. acci- oves	Fatal acci- dents	Non-fatal acci- dents
		By railroad	By truck	By railroad	By truck	By railroad	By truck							
D. & M. Coal Co.	Schuylkill	-	78	632	-	-	-	710 g	400	-	123	4	-	-
Diamond Slope														
David Coal Co.	Schuylkill	60	2,132	1,209	-	8	3,409 h	2,800	-	-	172	4	-	-
Seven Foot Slope														
Garber Coal Co., Paul	Schuylkill	-	-	-	-	-	-	i	-	-	77	3	-	-
Little Buck Slope														
Ginther Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-	170	3	1	-
Lucanna Fine Coal Plant	Schuylkill	-	-	-	-	-	-	-	-	-	170	3	-	-
Lucanna Bank	Schuylkill	28,357	-	-	-	28,357	-	-	-	-	170	3	-	-
Total		28,357	-	-	-	28,357 j	-	-	-	-	6	1	-	-
Gorenty Coal Co.	Schuylkill	-	-	184	2	186 d	200	-	-	-	50	3	-	-
Gorenty Tunnel														
Greenwood Mining Co.	Schuylkill	-	-	-	-	-	-	-	-	-	242	109	-	7
Greenwood Breaker	Schuylkill	-	-	-	-	-	-	b	-	-	66	18	-	-
Greenwood Fine Coal Plant	Schuylkill	-	-	-	-	-	-	-	-	-	127	-	7	-
Total		-	-	-	-	-	-	-	-	-				
Grove Coal Co.	Schuylkill	8,744	5,420	5,122	-	19,286 k	-	-	-	-	59	4	-	-
St. Clair Railroad Bank														
K. & P. Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-	194	8	-	-
K. & P. Breaker														
Klimax Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-				
No. 7 Slope	Schuylkill	2,192	4,322	7,477	11	14,002 l	5,000	2,000	279	10	-	-		
Kristoff Coal Co.														
Four Foot Slope	Schuylkill	-	-	-	-	-	*	-	-	-	8	3	-	-
Lanscoal Mining Co., Inc.	Schuylkill	-	-	-	-	-	-	-	-	-				
No. 9 Slope	Carbon	12,460	6,654	2,076	-	21,190 m	13,850	1,500	231	17	-	1	-	-
Lehigh Valley Anthracite, Inc.														
Salem Creek Breaker	Schuylkill	-	-	-	-	-	-	-	-	-	250	5	-	1
Marbeck Dredging Co., Inc.														
Lowland Washery	Schuylkill	-	-	-	-	-	-	-	-	-	264	5	-	-
Lowland Bank	Schuylkill	20,500	10,838	-	-	31,338	-	-	-	-	264	4	-	-
No. 6 Washery	Carbon	-	-	-	-	-	-	-	-	-	275	5	-	-
No. 6 Bank	Carbon	8,900	62,100	-	-	71,000	-	-	-	-	275	4	-	1
Total		29,400	72,938	-	-	102,338 n	-	-	-	-	18	-	1	-
Mar Strip & Excavating Co.	Carbon	41,840	22,313	6,973	-	71,156 m	-	-	-	-	260	33	-	-
No. 6 Bank														
Mountain Side Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-	275	2	-	-
Mountain Side Breaker														
My Own Coal Co.														
Orchard Slope	Schuylkill	-	661	325	-	986 o	1,980	-	-	-	108	3	-	-

District 12 Production - net tons											Non-fatal accidents			
Operators and Collieries	County	Shipped to market		Sold to local trade		Used at colliery for steam and heat		Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Empl. acci- oves	Fatal acci- dents	Non-fatal acci- dents
		By railroad	By truck	By railroad	By truck	By railroad	By truck							
Niadina Coal Co., Frank	Schuylkill	14	31	91	1	137 p	350	-	-	-	100	2	-	-
Skidmore Slope														
Phoenix Contracting Co.	Schuylkill	-	-	-	-	-	-	-	-	-	139	5	-	1
Black Heath Breaker														
Phoenix Bank	Schuylkill	13,057	9,817	9,827	-	32,731 *	-	-	-	-	139	3	-	-
Total		13,057	9,817	9,827	-	32,731 q	-	-	-	-	8	-	1	-
Premium Fine Coal Co., Inc.	Schuylkill	-	23,353	5,838	-	29,191	-	-	-	-	92	7	-	-
Premium Bank												92	5	-
Premium Fine Coal Plant	Schuylkill	-	23,353	5,838	-	29,191 r	-	-	-	-	12	-		
Total		-	-	-	-	-	*	-	-	-				
R. & R. Coal Co.	Schuylkill	-	-	-	-	-	*	-	-	-	59	3	-	-
Brockton Breaker														
Randolph Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-	151	2	-	-
Randolph Washery												151	1	-
Randolph Bank	Schuylkill	1,710	-	-	-	1,710 *	-	-	-	-	151	3	-	-
Total		1,710	-	-	-	1,710 s	-	-	-	-				
Reading Anthracite Co.	Schuylkill	-	-	-	-	-	-	-	-	-	269	27	-	4
New St. Nicholas Breaker												274	32	5
New St. Nicholas Fine Coal Plant	Schuylkill	-	-	-	-	-	-	-	-	-	233	5	-	-
Beechwood Cleaner Plant												176	7	3
Pine Forest Cleaner Plant	Schuylkill	-	-	-	-	-	-	-	-	-	252	3	-	-
Oak Hill Slush Bank No. 73	Schuylkill	13,478	2,471	6,514	-	22,463	-	-	-	-	74	-	12	-
Total		13,478	2,471	6,514	-	22,463 t	-	-	-	-				
Schickram, William	Schuylkill	43,908	23,448	7,318	-	74,624 m	-	-	-	-	216	22	-	-
No. 8 Bank														
Silver Creek Coal Co., Inc.	Schuylkill	-	-	-	-	-	-	-	-	-	131	6	-	-
Silver Creek Breaker														
Skidmore Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-	213	4	-	-
Skidmore Slope														
South Tamaqua Coal Pockets	Schuylkill	28	43	74	2	147 u	100	-	-	-	154	3	-	-
South Tamaqua Breaker														
T. E. & E. Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	-	232	17	-	-
Water Level Tunnel														
Thirty Slope, Inc.	Schuylkill	279	216	195	7	697 v	400	-	-	-	100	4	-	-
Thirty Slope														
Tracy Coal Co.	Schuylkill	1,929	3,041	2,448	-	7,418 w	6,000	-	-	-	240	3	-	-
Tracy Vein Slope														
Whippoorwill Coal Co.	Schuylkill	887	1,962	18	29	2,896 x	1,500	-	-	-	248	4	-	-
Top Split Slope														
Williams Coal Co., Evan	Schuylkill	197	849	2,717	11	3,774 y	2,900	-	-	-	228	4	-	-
Primrose Slope	Schuylkill	-	1,026	4,061	21	5,108 z	3,200	-	-	-				

District 12											
Operators and Collieries	Production - net tons					Pounds					
	County	Shipped to market		Sold to local	Used at colliery	Total production	permis-	sible ex-	Pounds	Fatal	Non-
		By railroad	By truck	local trade	for steam and heat	production	plosives used	dynamite used	days worked	Empl- oves	accidents
Zakrewsky Coal Co.											
Buck Mountain Slope	Schuylkill	-	49	607	1	657	400	-	190	9	-
Holmes Slope	Schuylkill	-	374	748	11	1,133 *	600	200	47	)	-
Leader Slope	Schuylkill	-	3,653	5,084	66	8,803 *	2,500	500	95	)	-
Total		-	4,076	6,439	78	10,593 aa	3,500	700	9	-	-
District Total		208,872	197,208	104,674	252	511,006	52,130	4,200	169	506	1 24

- NOTE: (a) 318 tons prepared at South Tamaqua Breaker  
 25 tons prepared at Malho Breaker - District 9  
 779 tons prepared at Split Vein Breaker - District 11  
 809 tons prepared at Swift Breaker - District 11  
 45 tons prepared at Valley Breaker - District 7  
 (b) Began operations in October, 1969. Coal stored on property.  
 (c) 719 tons prepared at Bernitsky Breaker  
 351 tons prepared at Glenn Worth Breaker - District 13  
 (d) All coal prepared at Bernitsky Breaker.  
 (e) 860 tons prepared at K. & P. Breaker  
 1,821 tons prepared at Minersville Breaker - District 13  
 616 tons prepared at Starwood Breaker - District 7  
 21 tons prepared at Valley Breaker - District 7  
 (f) All coal prepared at Honeybrook Breaker - District 7.  
 (g) All coal prepared at Mazaika Breaker - District 7.  
 (h) 2,648 tons prepared at Live Oak Breaker - District 13  
 694 tons prepared at Minersville Breaker - District 13  
 67 tons prepared at Glenick Breaker - District 13  
 (i) Operation is being rehabilitated.  
 (j) All coal prepared at Lucanna Fine Coal Plant.  
 (k) 9,563 tons prepared at Marlin Breaker  
 9,723 tons prepared at Blaschak Breaker - District 7  
 (l) 12,390 tons prepared at K. & P. Breaker  
 1,142 tons prepared at Silver Creek Breaker  
 470 tons prepared at Glenn Worth Breaker - District 13  
 \* Ceased operations during 1969
- (m) All coal prepared at Greenwood Breaker.  
 (n) 31,338 tons prepared at Lowland Washery  
 71,000 tons prepared at No. 6 Washery  
 (o) All coal prepared at Live Oak Breaker - District 13.  
 (p) 37 tons prepared at Bernitsky Breaker  
 100 tons prepared at K. & P. Breaker  
 (q) 32,477 tons prepared at Black Heath Breaker  
 254 tons prepared at Blaschak Breaker - District 7.  
 (r) All coal prepared at Premium Fine Coal Plant  
 (s) All coal prepared at Randolph Washery.  
 (t) All coal prepared at New St. Nicholas Fine Coal Plant.  
 (u) 12 tons prepared at Mountain Side Breaker  
 70 tons prepared at Silver Creek Breaker  
 65 tons prepared at South Tamaqua Breaker  
 (v) All coal prepared at Silver Creek Breaker.  
 (w) All coal prepared at Blaschak Breaker - District 13.  
 (x) 74 tons prepared at Glenick Breaker - District 13.  
 2,822 tons prepared at Schneck Breaker - District 14  
 (y) 602 tons prepared at Bernitsky Breaker  
 492 tons prepared at Silver Creek Breaker  
 2,680 tons prepared at Wesner Breaker - District 7  
 (z) 2,110 tons prepared at South Tamaqua Breaker  
 2,998 tons prepared at Mazaika Breaker - District 7  
 (aa) 846 tons prepared at Mountain Side Breaker  
 7,919 tons prepared at South Tamaqua Breaker  
 1,828 tons prepared at Brockton Breaker

Blue Bell Enterprises, Inc.  
 No. 1 Bank

District 13										
	Schuylkill	452	370	-	-	822 a	-	-	42	2

Operators and Collieries	Production - net tons					Pounds					
	County	Shipped to market		Sold to local	Used at colliery	Total production	permis-	sible ex-	Pounds	Fatal	Non-
		By railroad	By truck	local trade	for steam and heat	production	plosives used	dynamite used	days worked	Empl- oves	accidents
Bosack Coal Co.											
No. 2 Drift Tunnel	Schuylkill	453	1,002	1,778	-	3,233 b	4,800	-	250	4	-
C. L. M. Coal Co.											
Phoenix Park Refuse Bank	Schuylkill	506	24,059	760	-	25,325 c	-	-	182	3	-
C. L. S. Coal Co.											
Maple Springs Breaker	Schuylkill	-	-	-	-	-	-	-	242	8	-
Branch Refuse Bank	Schuylkill	2	88	3	-	93	-	-	1	3	-
Total		2	88	3	-	93 c	-	-	11	-	-
Coxe Coal Co.											
Woods Drift	Schuylkill	5	406	4,421	49	4,881 d	1,700	700	197	4	-
Dando Coal Co., F. P.											
No. 12 Rock Slope	Schuylkill	725	2,673	1,087	45	4,530 e	1,600	-	243	6	-
Dembinsky Coal Co.											
No. 3 Slope	Schuylkill	-	-	-	-	- f	-	-	95	3	-
DiRenzo Coal Co.											
DiRenzo Breaker	Schuylkill	-	-	-	-	-	-	-	249	8	-
Glen Worth Coal Co.											
Glen Worth Breaker	Schuylkill	-	-	-	-	-	-	-	171	3	-
H. & M. Coal Co.											
Selkirk Slope	Schuylkill	-	746	73	-	819 g	200	-	78	3	-
Haas Coal Co.											
No. 2 Slope	Schuylkill	-	284	201	5	490 h	300	-	50	3	-
Higgins Mining Co.											
Hillside Breaker	Schuylkill	-	-	-	-	-	-	-	304	6	-
Sharp Mountain Slope	Schuylkill	-	6,363	4,198	108	10,969	9,550	600	307	8	-
No. 2 Slope	Schuylkill	-	378	267	7	652	2,800	450	188	5	-
Total		-	6,741	4,765	115	11,621 i	12,350	1,050	19	-	6
K. & M. Coal Co.											
Westwood Slope	Schuylkill	155	1,011	1,011	22	2,199 j	1,400	2,600	240	5	-
K. S. F. Coal Co.											
K. S. F. Slope	Schuylkill	4,095	16,281	3,376	151	23,903 k	36,350	-	313	10	-
Keim Coal Co., Ralph											
Otto Bank	Schuylkill	27,562	7,934	5,846	418	41,760 l	-	-	243	7	-
Klinger Coal Co.											
No. 1 Slope	Schuylkill	208	1,585	1,222	24	3,039 m	2,050	-	249	3	-
Live Oak Coal Co.											
Live Oak Breaker	Schuylkill	-	-	-	-	-	-	-	185	3	-
M. & N. Coal Co.											
Middle Split Slope	Schuylkill	256	945	384	16	1,601	450	-	148	4	-
Peach Mountain Slope	Schuylkill	-	-	-	-	- n	-	-	3	5	-
Total		256	945	384	16	1,601 e	450	-	9	-	1

District 13 Production - net tons												
Operators and Collieries	County	Shipped to market			Sold to local trade	Used at colliery for steam and heat	Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Fatal acci- oves	Non-fatal acci- dents
		By railroad	By truck	-	-	-	-	-	-	287	5	-
		-	-	-	-	-	-	-	-	263	2	-
Minersville Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	45	1	-
Minersville Breaker										3	-	-
Old Mill Coal Yard	Schuylkill	-	-	-	-	-	-	-	-	240	4	-
Old Mill Breaker										240	1	-
Old Mill Silt Dam Bank	Schuylkill	570	467	-	-	-	1,037	-	-	-	-	-
Total		570	467	-	-	-	1,037 a	-	-	-	-	-
Olenick Brothers Coal Co.	Schuylkill	-	-	-	-	-	-	-	-	240	4	-
Olenick Breaker	Schuylkill	639	511	121	6	1,277	-	-	-	-	5	-
Olenick Silt Dam Bank	Schuylkill	639	511	121	6	1,277 b	-	-	-	-	-	-
Total		639	511	121	6	1,277 c	-	-	-	-	-	-
P. & H. Coal Co.	Schuylkill	492	1,814	738	31	3,075 e	1,500	-	222	5	-	-
White Ash Slope												-
Reading Anthracite Co.	Schuylkill	2,375	436	1,148	-	3,959 p	-	-	9	2	-	-
Oak Hill Refuse Bank No. 235												-
Reichwein & Beury Coal Co.	Schuylkill	6,225	5,029	1,455	66	12,775 q	20,800	-	303	8	-	-
R. & B. Slope												-
S. & B. Coal Co.	Schuylkill	-	830	2,245	-	3,075 r	400	325	182	3	-	-
S. & F. Coal Co.	Schuylkill	239	4,086	2,857	-	7,182 s	10,000	2,500	191	5	-	-
Primrose Slope												-
S. & M. Coal Co.	Schuylkill	2,036	2,086	6,954	97	11,173 t	8,000	-	297	6	-	-
No. 2 Slope												-
Scott Coal Co.	Schuylkill	19	124	124	2	269 u	150	-	74	3	-	-
Buck Slope												-
Schuylkill Contracting Co.	Schuylkill	10,009	42,668	-	-	52,677 v	-	-	166	6	-	-
Buck Run Slush Bank												-
Seanaawatis Brothers Coal Co.	Schuylkill	994	3,664	1,490	62	6,210 e	3,500	8,700	246	5	-	-
Bottom Split Slope												-
Siminitus Coal Co.	Schuylkill	-	-	-	-	- g	-	-	33	3	-	-
Four Foot Slope												-
Snyder Coal Co., Leroy	Schuylkill	166	397	2,961	29	3,553 w	293	-	294	8	-	-
No. 2 Buck Mountain Slope												-
Sorokach Coal Co.	Schuylkill	18	114	114	2	248 v	150	-	64	3	-	-
Sorokach Slope												-
Studlack Coal Co.	Schuylkill	-	592	291	-	883 w	200	-	39	3	-	-
Studlack Slope												-
Swatara Coal Co.	Schuylkill	-	-	-	-	-	-	-	263	28	-	3
Swatara Breaker												-
Tokarchek Coal Co.	Schuylkill	495	1,824	742	31	3,092 u	1,100	800	352	3	-	-
Tokarchek Slope												-

District 13 Production - net tons												
Operators and Collieries	County	Shipped to market			Sold to local trade	Used at colliery for steam and heat	Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Fatal acci- oves	Non-fatal acci- dents
		By railroad	By truck	-	-	-	-	-	-	254	6	-
		-	-	-	-	-	-	-	-	212	9	-
Walaitis Coal Co.	Schuylkill	106	106	212	-	424 x	550	-	-	152	3	-
No. 2 & 3 Slopes												-
West West Coal Co.	Schuylkill	414	2,717	2,717	59	5,907 u	6,000	200	-	254	6	-
Woodside Tunnel												-
Winne Land Co.	Schuylkill	-	-	-	-	-	-	-	-	212	9	-
Lytle Washery												-
Woodside Mining Co.	Schuylkill	-	-	-	-	-	-	-	-	48	2	-
Buck Mountain Slope	Schuylkill	-	-	-	-	- f	-	-	-	253	8	-
Woratyla Coal Co.	Schuylkill	2,616	3,888	1,923	80	8,507 y	3,100	-	-	218	238	-
Mammoth Slope												-
District Total		61,832	135,478	51,019	1,310	249,639	116,934	16,875	-	218	238	-

- NOTE: (a) All coal prepared at Tremont Breaker - District 15.  
 (b) All coal prepared at K. & P. Breaker  
 (c) All coal prepared at Maple Spring Breaker  
 (d) 4,851 tons prepared at DiRenzo Breaker  
 30 tons prepared at Olenick Breaker  
 (e) All coal prepared at Olenick Breaker.  
 (f) Maintenance work only.  
 (g) 243 tons prepared at Swift Breaker - District 11  
 576 tons prepared at D. & Z. Breaker - District 11  
 (h) 513 tons prepared at Old Mill Breaker  
 490 tons prepared at Hillside Breaker  
 (i) All coal prepared at Hillside Breaker.  
 (j) 531 tons prepared at Minersville Breaker  
 1,668 tons prepared at Olenick Breaker  
 (k) 6,732 tons prepared at Kocher Breaker - District 15  
 11,574 tons prepared at Franklin Breaker - District 14  
 2,597 tons prepared at Hillside Breaker  
 (l) All coal prepared at Swatara Breaker.  
 (m) 2,049 tons prepared at Hillside Breaker  
 437 tons prepared at Olenick Breaker  
 553 tons prepared at Old Mill Breaker
- (n) Peach Mountain Slope ceased operating in February, 1969.  
 (o) All coal prepared at Kocher Breaker - District 15.  
 (p) All coal prepared at New St. Nicholas Breaker-District 12  
 (q) 580 tons prepared at R. & B. Breaker - District 9  
 12,195 tons prepared at Kocher Breaker - District 15  
 (r) All coal prepared at Glenn Worth Breaker.  
 (s) 809 tons prepared at Glenn Worth Breaker  
 5,417 tons prepared at Live Oak Breaker  
 956 tons prepared at Old Mill Breaker  
 (t) 3,085 tons prepared at Swatara Breaker  
 6,641 tons prepared at DiRenzo Breaker  
 1,447 tons prepared at Live Oak Breaker  
 (u) All coal prepared at Minersville Breaker.  
 Ceased operating in May, 1969.  
 (v) All coal prepared at Lytle Washery.  
 (w) All coal prepared at Live Oak Breaker.  
 (x) All coal prepared at Old Mill Breaker.  
 (y) 5,608 tons prepared at Olenick Breaker  
 2,426 tons prepared at Swatara Breaker  
 473 tons prepared at Old Mill Breaker

District 14												
Operators and Collieries	County	Shipped to market			Sold to local trade	Used at colliery for steam and heat	Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Fatal acci- oves	Non-fatal acci- dents
		By railroad	By truck	-	-	-	-	-	-	173	3	-
		-	-	-	-	-	-	-	-	146	3	-
B. & C. Coal Co.	Schuylkill	675	2,390	307	3	3,375 a	1,460	-	-	173	3	-
L.V. No. 3 Vein Slope												-
B. & F. Coal Co.	Schuylkill	152	197	92	3	444 b	1,200	-	-	146	3	-
Buck Mountain Slope												-

District 14												
Operators and Collieries	County	Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents
		Shipped to market		Sold	Used at	Total						
		By railroad	By truck	local trade	colliery for steam and heat	production						
Blue Bell Enterprises, Inc.	Schuylkill	2,168	1,802	-	-	3,970	-	-	87	2	-	-
Kemble Bank	Schuylkill	229	190	-	-	419	-	-	14	2	-	-
Schneck Bank	Schuylkill	891	710	-	-	1,631	-	-	46	2	-	-
Rausch Creek Bank	Schuylkill											
Total		3,288	2,732	-	-	6,020 c	-	-	6	-	-	-
Colket Coal Co.	Schuylkill	222	4,637	670	11	5,540 d	5,200	-	258	3	-	-
No. 2 & 3 Slopes	Schuylkill	42	370	46	1	459	450	-	110	2	-	-
Faust Coal Co.	Schuylkill	252	707	59	-	1,018	750	-	108	3	-	-
Faust Slope	Schuylkill	29	91	6	-	126	100	-	55	2	-	-
Tracy Slope	Schuylkill											
Orchard Slope	Schuylkill											
Total		323	1,168	111	1	1,603 e	1,300	-	7	-	-	-
Franklin Coal Co.	Schuylkill	-	-	-	-	-	-	-	258	9	-	-
Franklin Hydrotated Breaker	Schuylkill	317	6,632	959	16	7,924 d	7,800	-	270	4	-	-
H. & S. Coal Co.	Schuylkill	4,661	16,499	2,120	23	23,303 a	22,500	-	298	10	-	1
No. 1 Slope	Schuylkill	-	12,805	9,051	221	22,077 f	18,650	1,000	304	16	-	4
Hatter Coal Co.	Schuylkill	1,061	3,232	158	13	4,464 g	3,800	200	234	6	-	2
No. 1 Slope	Schuylkill	-	-	-	-	-	-	-	210	12	-	2
Hegins Mining Co.	Schuylkill	359	1,122	78	-	1,559	-	-	8	2	-	-
No. 5 West Slope	Schuylkill									14	-	2
Herring Brothers Coal Co.	Schuylkill											
Herring Slope	Schuylkill											
Industrial Coal Sales Co.	Schuylkill											
Donaldson Breaker	Schuylkill											
Donaldson Bank	Schuylkill											
Total		359	1,122	78	-	1,559	-	-	8	2	-	-
L. E. H. Coal Co.	Schuylkill	-	4,107	2,903	71	7,081 f	7,000	-	251	5	-	-
L. E. H. Slope	Schuylkill	16,873	13,499	3,206	169	33,747 i	26,050	-	302	20	-	9
Mercury Coal Co., Inc.	Schuylkill	-	-	-	-	-	*	-	152	2	-	-
No. 4 Slope	Schuylkill											
Miller Coal Co.	Schuylkill											
Miller Slope	Schuylkill											
Mountain Top Coal Co.	Schuylkill											
Orchard Slope	Schuylkill	60	60	121	-	241 j	700	-	134	3	-	-
Neumeister Coal Co., James	Schuylkill	1,007	1,763	6,301	-	9,071 k	8,800	-	235	6	-	-
No. 1 Slope	Schuylkill	-	-	-	-	-	-	-	304	9	-	-
Oakwood Coal Co.	Schuylkill											
Oakwood Breaker	Schuylkill											
Remminger Coal Co.	Schuylkill											
Buck Mountain Slope	Schuylkill	1,381	1,253	2,439	3	5,076 l	5,800	-	263	6	-	-
S. E. K. Coal Co.	Schuylkill	220	804	3,314	37	4,375 m	1,500	-	232	4	1	-
Buck Mountain Slope	Schuylkill											

District 14												
Operators and Collieries	County	Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents
		Shipped to market		Sold	Used at	Total						
		By railroad	By truck	local trade	colliery for steam and heat	production						
Schneek Coal Co., Thomas W.	Schuylkill	-	-	-	-	-	-	-	320	10	-	-
Schneek Breaker	Schuylkill	131	5,011	115	2	5,259 n	3,000	-	177	3	-	1
Schwartzlander Coal Co.	Schuylkill	248	604	24	2	878 o	750	-	101	3	-	-
No. 1 Slope	Schuylkill	10	203	29	-	242 d	350	-	175	3	-	-
Three Par Coal Co.	Schuylkill											
Top Split Slope	Schuylkill											
Tobin Coal Co.	Schuylkill											
Little Buck Mountain Slope	Schuylkill											
District Total		30,988	78,718	31,998	575	142,279	115,860	1,200	239	155	1	19

District 15												
Operators and Collieries	County	Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents
		Shipped to market		Sold	Used at	Total						
		By railroad	By truck	local trade	colliery for steam and heat	production						
B. & H. Coal Co.	Schuylkill	8	161	23	2	194 a	100	-	66	3	-	-
Bottom Split Slope	Schuylkill	-	-	-	-	-	-	-	242	4	-	-
Blue Bell Enterprises, Inc.	Schuylkill	757	630	-	-	1,387	-	-	38	2	-	-
Tremont Breaker	Schuylkill	757	630	-	-	1,387 b	-	-	6	-	-	-
Blackwood Bank	Schuylkill											
Total												
Bush Coal Co.	Schuylkill	1,961	12,570	31,375	382	146,288 c	23,500	-	231	22	1	-
Top Split Slope	Schuylkill											

- (a) All coal prepared at Superior Breaker - District 16.  
Mine ceased operations in October, 1969.
- (b) 274 tons prepared at Olenick Breaker - District 13  
163 tons prepared at Swatara Breaker - District 13  
7 tons prepared at Old Mill Breaker - District 13
- (c) All coal prepared at Tremont Breaker - District 15.
- (d) All coal prepared at Oakwood Breaker.
- (e) 354 tons prepared at Franklin Breaker  
1,109 tons prepared at Donaldson Breaker  
66 tons prepared at Kocher Breaker - District 15  
74 tons prepared at Pine Creek Breaker - District 16
- (f) All coal prepared at Hillsdale Breaker - District 13.
- (g) 3,159 tons prepared at Schneek Breaker  
1,287 tons prepared at Oakwood Breaker  
18 tons prepared at Kocher Breaker - District 15
- (h) All coal prepared at Donaldson Breaker
- (i) All coal prepared at Kocher Breaker - District 15.
- (j) All coal prepared at Old Mill Breaker - District 13.  
7,190 tons prepared at Malho Breaker - District 9
- (k) 1,881 tons prepared at Live Oak Breaker - District 13
- (l) 273 tons prepared at Swatara Breaker - District 13  
4,803 tons prepared at Old Mill Breaker - District 13
- (m) 3,255 tons prepared at Underkoffler Breaker - District 16  
176 tons prepared at Kocher Breaker - District 15  
441 tons prepared at Legal Breaker - District 15  
482 tons prepared at Superior Breaker - District 16  
21 tons prepared at Oakwood Breaker
- (n) 754 tons prepared at Oakwood Breaker  
397 tons prepared at Donaldson Breaker  
49 tons prepared at Superior Breaker - District 16  
4,059 tons sold to market unprepared at Fronk's Ramp-Dist.16
- (o) 614 tons prepared at Schneek Breaker  
264 tons prepared at Superior Breaker - District 16
- \* No production - Maintained as pump slope by Hatter Coal Co.  
No. 1 Slope.

Operators and Collieries	County	District 15 Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents
		Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total production:						
		By railroad	By truck									
Chyke Coal Co.	Schuylkill	664	1,609	110	6	2,389 d	1,500	-	256	4	-	-
Tracy Vein Slope												
Clark Coal Co.	Schuylkill	3,299	8,502	1,501	44	13,346 e	6,500	-	293	12	-	-
Skidmore Slope												
Erdman Coal Co.	Schuylkill	5,796	22,017	3,651	212	31,676 f	20,500	-	299	15	-	2
Middle Split Slope												
Gerber Coal Co.	Schuylkill	1,813	4,510	538	34	6,895 g	3,200	-	263	4	-	-
Buck Mountain Slope												
Harnet Coal Co.	Schuylkill	298	711	16	2	1,027	875	-	170	3	-	-
Harner Drift	Schuylkill	707	11,718	1,612	57	11,154 h	7,500	-	285	5	-	-
Primrose Slope												
Total		1,005	12,459	1,658	59	15,181 h	8,375	-	8	-	-	-
Hegins Mining Co.												
High Test No. 3 Slope	Schuylkill	-	736	520	12	1,268 i	750	-	70	7	-	-
High Test Coal Co.												
Skidmore Slope	Schuylkill	124	1,318	100	8	1,550 j	800	-	143	7	-	-
J. & C. Coal Co.												
No. 1 Vein Slope	Schuylkill	20	70	2,103	22	2,215 k	1,750	-	138	4	-	-
Keffers Coal Co.												
No. 2 Vein Slope	Schuylkill	1,405	4,918	632	70	7,025 l	4,500	-	258	4	-	-
Knorr Coal Co.												
Buck Mountain Slope	Schuylkill	1,208	2,567	331	22	4,128 m	5,000	-	281	3	-	-
Kocher Coal Co., Inc., Leon E.												
Kocher Breaker	Schuylkill	-	-	-	-	-	-	-	278	48	-	-
Legal Coal Co.												
Legal Breaker	Schuylkill	-	-	-	-	-	-	-	172	12	-	1
Lehigh Valley Anthracite, Inc.												
Joliett Breaker	Schuylkill	-	-	-	-	-	-	-	311	1	-	-
M. W. S. Coal Co.												
Holmes Slope	Schuylkill	2,055	8,521	1,763	19	12,358 n	14,000	-	297	7	-	-
Madenford Coal Co.												
No. 1 Vein Slope	Schuylkill	602	8,191	877	70	9,740 o	8,500	-	289	6	-	-
Manbeck Dredging Co., Inc.												
Westwood Washery	Schuylkill	-	-	-	-	-	-	-	280	10	-	2
Westwood Bank	Schuylkill	50,300	18,400	-	-	68,700 p	-	-	280	2	-	-
Lincoln Bank	Schuylkill	-	-	-	-	21,200 q	-	-	97	2	-	-
Total		50,300	39,600	-	-	89,900	-	-	14	-	-	1
Minnich Coal Co.												
No. 2 Vein Slope	Schuylkill	1,968	7,217	649	7	9,841 r	6,500	-	230	4	-	-
Ney & Lehman Coal Co.										66	4	-
No. 1 Slope	Schuylkill	10	218	31	3	262	100	-				

Operators and Collieries	County	District 15 Production - net tons					Pounds permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyees	Fatal accidents	Non- fatal accidents
		Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total production:						
		By railroad	By truck									
Ney & Lehman Coal Co. (Continued)	Schuylkill	1,044	8,757	1,050	94	10,945	9,500	-	277	5	-	-
Total		1,054	8,975	1,081	97	11,207 s	9,600	-		9	-	-
P. & M. Coal Co.												
Orchard Slope	Schuylkill	434	4,572	4,777	92	9,875 t	8,550	-	248	8	-	-
Panther Head Coal Co.												
Buck Mountain Drift	Schuylkill	160	1,049	121	8	1,338 u	1,500	-	167	3	-	-
R. & K. Coal Co.												
Skidmore Slope	Schuylkill	14,079	12,304	2,840	140	29,363 v	28,500	-	254	17	-	3
S. & M. Coal Co.												
No. 2 Vein Slope	Schuylkill	3,753	10,260	1,561	25	15,599 w	9,500	-	260	8	-	1
S. & W. Coal Co.												
Middle Split Slope	Schuylkill	5,517	4,414	4,654	91	14,676 x	12,500	-	302	9	-	-
Shade Coal Co.												
No. 2 Vein Slope	Schuylkill	1,166	4,083	13,360	188	18,797 y	14,500	-	248	9	-	-
Sharp Mountain Coal Co.												
Orchard Slope	Schuylkill	281	1,199	96	10	1,586 z	1,500	-	230	3	-	-
Spancake & Herring Coal Co.												
Buck Mountain Slope	Schuylkill	2,861	3,604	482	30	6,977 aa	5,500	-	226	4	-	-
Stahl Coal Co.												
No. 2 Vein Slope	Schuylkill	5,383	5,942	1,166	50	12,541	7,000	-	297	9	-	-
No. 2 Slope	Schuylkill	2,217	7,074	1,470	27	10,788	8,000	-	297	5	-	-
Total		7,600	13,016	2,636	77	23,329 bb	15,000	-		14	-	-
Sweet Water Coal Co.												
Primrose Slope	Schuylkill	3,750	3,000	713	37	7,500 cc	8,000	-	271	6	-	1
Wolfgang Coal Co.												
No. 1½ Vein Slope	Schuylkill	658	8,401	6,590	156	15,805	13,500	-	287	5	-	-
Diamond Slope	Schuylkill	70	1,096	401	13	1,580	1,000	-	115	3	-	-
Total		728	9,497	6,991	169	17,385 dd	14,500	-		8	-	-
Zimmerman Coal Co., Marlin												
Buck Mountain Slope	Schuylkill	5,776	9,735	375	56	15,942 ee	14,500	-	234	8	-	-
District Total		120,144	221,304	85,518	1,989	428,955	249,125	-	245	297	1	9

NOTE: (a) All coal prepared at Oakwood Breaker - District 14.  
(b) All coal prepared at Tremont Breaker.  
(c) 6,597 tons prepared at DiRenzo Breaker - District 13  
23,120 tons prepared at Underkoffler Breaker - District 16  
8,555 tons prepared at Franklin Breaker - District 14  
4,397 tons prepared at Glenick Breaker - District 13  
3,069 tons prepared at Pine Creek Breaker - District 16

(d) 1,326 tons prepared at Schneck Breaker - District 14  
837 tons prepared at Pine Creek Breaker - District 16  
226 tons prepared at Donaldson Breaker - District 14  
(e) 419 tons prepared at Superior Breaker - District 16  
6,009 tons prepared at Pine Creek Breaker - District 16  
1,046 tons prepared at Kocher Breaker

<u>District 15</u>										
<u>Production - net tons</u>										
Operators and Collieries	County	Shipped to market			Used at			Pounds		
		: Sold	: to	: colliery	: steam	: for steam	: explosives	: dynamite	Fatal	Non-fatal
		: By railroad	: By truck	: local trade	: and heat	Total production:	used	used	days worked	accidents
NOTE: (f)		8,118 tons prepared at Superior Breaker - District 16				(u) 776 tons prepared at Oakwood Breaker - District 14				
		2,014 tons prepared at Pine Creek Breaker - District 16				(v) 562 tons prepared at Donaldson Breaker - District 14				
		9,761 tons prepared at Schneck Breaker - District 14				(w) 27,131 tons prepared at Kocher Breaker				
		8,361 tons prepared at Oakwood Breaker - District 14				2,232 tons prepared at Pine Creek Breaker - District 16				
		1,427 tons prepared at Hillside Breaker - District 13				11,083 tons prepared at Donaldson Breaker - District 14				
		1,992 tons prepared at K. & P. Breaker - District 12				3,902 tons prepared at Donaldson Breaker - District 14				
(g)		2,985 tons prepared at Kocher Breaker				614 tons prepared at Kocher Breaker				
		3,857 tons prepared at Legal Breaker				(x) 11,034 tons prepared at Kocher Breaker				
(h)		716 tons prepared at Schneck Breaker - District 14				3,642 tons prepared at Underkoffler Breaker - District 16				
		311 tons prepared at Donaldson Breaker - District 14				5,832 tons prepared at Superior Breaker - District 16				
		14,154 tons prepared at Franklin Breaker - District 14				12,965 tons prepared at Underkoffler Breaker - District 16				
(i)		All coal prepared at Hillside Breaker - District 13.				(z) 766 tons prepared at Schneck Breaker - District 14				
(j)		All coal prepared at Legal Breaker.				800 tons prepared at Oakwood Breaker - District 14				
(k)		2,115 tons prepared at Underkoffler Breaker - District 16				(aa) 4,356 tons prepared at Kocher Breaker				
		100 tons prepared at Superior Breaker - District 16				1,848 tons prepared at Schneck Breaker - District 14				
(l)		All coal prepared at Superior Breaker - District 16.				447 tons prepared at Franklin Breaker - District 14				
(m)		2,008 tons prepared at Legal Breaker				326 tons prepared at Donaldson Breaker - District 14				
		2,086 tons prepared at Kocher Breaker				(bb) 1,793 tons prepared at Pine Creek Breaker - District 16				
		16 tons prepared at Franklin Breaker - District 14				9,253 tons prepared at Kocher Breaker				
		18 tons prepared at Superior Breaker - District 16				9,533 tons prepared at Donaldson Breaker - District 14				
(n)		6,481 tons prepared at Schneck Breaker - District 14				912 tons prepared at Underkoffler Breaker - District 16				
		5,877 tons prepared at Swift Breaker - District 11				1,838 tons prepared at Superior Breaker - District 16				
(o)		5,302 tons prepared at Legal Breaker				(cc) All coal prepared at Kocher Breaker.				
		4,438 tons prepared at Oakwood Breaker - District 14				(dd) 1,286 tons prepared at Superior Breaker - District 16				
(p)		All coal prepared at Westwood Washery.				9,671 tons prepared at Oakwood Breaker - District 14				
(q)		All coal shipped direct to Chemical Plant in Slatington, Pa.				200 tons prepared at Donaldson Breaker - District 14				
(r)		1,453 tons prepared at Franklin Breaker - District 14				5,455 tons prepared at Underkoffler Breaker - District 16				
		4,957 tons prepared at Donaldson Breaker - District 14				473 tons prepared at Legal Breaker				
		3,287 tons prepared at Pine Creek Breaker - District 16				300 tons prepared at DiRenzo Breaker - District 13				
		144 tons prepared at Kocher Breaker				3,950 tons prepared at Kocher Breaker				
(s)		2,189 tons prepared at Schneck Breaker - District 14				11,992 tons prepared at Schneck Breaker - District 14				
		9,018 tons prepared at Oakwood Breaker - District 14								
(t)		4,803 tons prepared at Oakwood Breaker - District 14								
		287 tons prepared at Donaldson Breaker - District 14								
		4,229 tons prepared at Underkoffler Breaker - District 16								
		556 tons prepared at Schneck Breaker - District 14								

<u>District 16</u>												
<u>Production - net tons</u>												
Operators and Collieries	County	Shipped to market			Used at			Pounds			Non-fatal accidents	
		: Sold	: to	: colliery	: steam	: for steam	Total production:	: explosives	: dynamite	Fatal		Non-fatal
		: By railroad	: By truck	: local trade	: and heat	Total production:	used	used	used	days worked		accidents

<u>District 16</u>										
<u>Production - net tons</u>										
Operators and Collieries	County	Shipped to market			Used at			Pounds		
		: Sold	: to	: colliery	: steam	: for steam	Total production:	: explosives	: dynamite	Fatal
		: By railroad	: By truck	: local trade	: and heat	Total production:	used	used	used	Non-fatal accidents
Acme Coal Co.	Schuylkill	-	-	5,403	54	5,457 a	3,000	-	243	3 - -
L. V. No. 5 Vein Slope										
B. & M. Coal Co.	Schuylkill	2,334	8,573	1,079	15	12,001 b	6,950	-	269	5 - -
B. & M. Tunnel										
B. & P. Coal Co.	Schuylkill	-	-	284	2	286 a	150	-	38	3 - -
Buck Mountain Slope										
D. & R. Coal Co.	Schuylkill	2,171	1,136	1,013	21	4,341 c	2,800	50	247	3 - -
D. & R. Slope										
Fireside Mining, Inc.	Schuylkill	2,546	7,611	711	51	10,919 d	9,500	400	281	8 - 1
No. 2 Slope										
Fronk Coal Co., George	Schuylkill	-	-	-	-	-	-	-	113	3 - -
Iyken's Breaker	Dauphin	-	-	360	3	363 a	500	-	150	3 - -
G. & K. Coal Co.	Schuylkill	-	-	-	-	-	-	-	53	4 - -
G. & K. Slope	Dauphin	-	-	326	33	3,790 j	8,500	1,400	298	10 - -
Gangloff Brothers	Schuylkill	-	-	-	-	-	-	-	90	11 - -
Iyken's Silt Bank	Schuylkill	-	-	-	-	-	-	-		
H. L. S. Coal Co.	Schuylkill	-	-	-	-	-	-	-		
No. 4 Draft	Schuylkill	-	-	-	-	-	-	-		
Harman Coal Co.	Schuylkill	773	3,774	394	30	4,971 f	9,500	575	266	4 - -
Buck Mountain Slope										
Harnier Coal Co., Inc.	Schuylkill	5,095	4,076	969	50	10,190 c	7,431	-	172	8 1 7
Skidmore Slope										
Hatter Coal Co.	Schuylkill	5,304	18,771	2,413	26	26,514 h	15,400	600	293	12 1 -
Middle Split Slope										
Hornberger Coal Co.	Schuylkill	39	815	118	2	974 i	1,500	-	76	3 1 -
Buck Mountain Slope										
J. & C. Coal, Inc.	Schuylkill	2,144	3,170	28,207	269	33,790 j	8,500	1,400	298	10 - -
Skidmore Slope										
S. D. Skidmore Slope	Schuylkill	-	-	3,269	33	3,302 a	2,000	400	90	11 - -
Total	Schuylkill	2,144	3,170	31,476	302	37,092	10,500	1,800	21	- - -
Kintzel Brothers Coal Co.	Schuylkill	749	2,108	80	9	2,946 k	2,300	2,200	273	4 - -
L. V. No. 6 Vein Slope										
Kocher Coal Co., Inc., Leon E.	Schuylkill	4,749	3,798	903	47	9,497	2,350	-	292	28 - 4
Porter Tunnel Slope	Schuylkill	1,786	1,428	339	18	3,571	-	-	42	2 - -
Kalmia Bank		6,535	5,226	1,242	65	13,066 c	2,350	-	30	- - 4
Total	Schuylkill	1,312	6,748	591	64	8,715 l	7,800	300	292	4 - -
Koppenhaver Coal Co.	Schuylkill	3	60	68	1	132 m	50	-	54	3 - -
Buck Mountain Slope										
Kroh Coal Co.	Schuylkill	-	-	964	9	973 a	550	-	114	3 - -
L. V. No. 1½ Vein Slope										
Lahr Coal Co.	Schuylkill	-	-	-	-	-	-	-		
White's Vein Slope	Dauphin	-	-	-	-	-	-	-		

District 16												
Operators and Collieries	County	Production - net tons					Total production:	Pounds explosive used	Pounds dynamite used	Days worked	Empl. acci- oves	Fatal acci- dents
		Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total production:						
		By railroad	By truck									
Lehman Coal Co., Marvin L. V. No. 6 Vein Slope	Schuylkill	16	326	46	1	389 i	175	-	44	3	-	-
Lucas Coal Co., Franklin White's Vein Slope	Schuylkill	1,421	3,345	619	12	5,397 n	5,000	-	243	4	-	1
M. A. D. Coal Co. L. V. No. 6 Vein Slope	Schuylkill	113	179	148	1	441 a	350	-	90	3	-	-
Mace Coal Co., James White's Vein Slope	Schuylkill	3,700	6,161	3,770	13	13,644 p	7,400	200	244	10	-	2
Marby Coal Co., Inc. Middle Split Slope	Schuylkill	1,653	5,084	265	-	7,002 q	5,600	350	264	11	-	2
Marchuk & Sons Coal Co. No. 9 Vein Slope	Dauphin	-	30	-	-	30 r	50	50	95	2	-	-
Meadowbrook Coal Co. Meadowbrook Bank	Dauphin	-	12,900	-	-	12,900	-	-	242	3	-	-
Meadowbrook Washery Total	Dauphin	-	-	-	-	12,900 s	-	-	242	4	-	-
No. 4 Coal Co. White's Vein Slope	Schuylkill	1,864	4,413	773	16	7,066 t	1,200	-	253	4	-	-
Pine Creek Coal Co. Pine Creek Breaker	Schuylkill	-	-	-	-	-	-	-	286	15	-	-
Rainer Coal Co. No. 9½ Vein Slope	Dauphin	610	2,160	278	3	3,051 h	1,600	-	229	3	-	-
S. & K. Coal Co. Buck Mountain Slope	Dauphin	907	2,600	165	8	3,980 u	2,500	50	250	3	-	-
S. & T. Coal Co. Skidmore Slope	Dauphin	775	2,301	280	15	3,371 v	2,800	50	225	4	-	-
Shomper Coal Co. L.V. No. 6 Vein No. 1 Slope	Schuylkill	315	645	774	-	1,734	1,600	425	128	3	-	-
L.V. No. 6 Vein No. 2 Slope	Schuylkill	208	426	510	-	1,144	800	-	79	3	-	-
L. V. No. 3 Vein Slope	Schuylkill	10	38	53	-	101	50	-	29	3	-	-
Shomper Breaker Total	Dauphin	-	-	-	-	-	-	-	201	2	-	-
Smeltz Coal Co. No. 7 Vein Slope	Dauphin	640	1,779	698	8	3,125 x	5,200	100	234	3	-	-
Split Vein Coal Co., Inc. Middle Split Slope	Schuylkill	165	2,042	19,089	193	21,789 y	3,100	200	305	11	-	2
Starnowsky & Miller Coal Co. Buck Mountain Slope	Dauphin	-	-	267	2	269 a	200	25	30	3	-	-
Strohecker Coal Co. Strohecker Breaker	Dauphin	-	-	-	-	-	-	-	297	8	-	-

District 16												
Operators and Collieries	County	Production - net tons					Total production:	Pounds explosive used	Pounds dynamite used	Days worked	Empl. acci- oves	Fatal acci- dents
		Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total production:						
		By railroad	By truck									
Superior Preparation Co., Inc.	Schuylkill	-	-	-	-	-	-	-	-	308	10	-
Superior Breaker												-
Underkoffler Coal Co. Buck Mountain Slope	Dauphin	-	-	2,978	30	3,008	2,100	-	236	3	-	-
Underkoffler Breaker Total	Dauphin	-	-	-	-	-	-	-	-	234	24	-
				2,978	30	3,008 a	2,100	-	-	27	-	-
Valley Construction Co. L. V. No. 6 Vein Slope	Dauphin	-	-	-	-	-	-	-	-	17	3	-
White's Vein Coal Co. White's Vein Slope	Schuylkill	671	970	745	2	2,388 o	4,000	-	213	4	-	-
Williamson Coal Co., Inc. Skidmore Slope	Schuylkill	14,879	31,256	14,648	125	60,908 aa	42,550	5,000	298	20	-	4
Wolfe Coal Co. No. 7 Vein Slope	Dauphin	-	-	63	1	64 a	25	-	32	2	-	-
District Total		57,252	160,202	93,754	1,135	312,343	166,631	12,375	226	301	3	23

- NOTE: (a) All coal prepared at Underkoffler Breaker.  
 (b) 11,458 tons prepared at Superior Breaker  
 543 tons prepared at Legal Breaker - District 15  
 (c) All coal prepared at Kocher Breaker - District 15.  
 (d) 1,437 tons prepared at Schneck Breaker - District 14  
 6,313 tons prepared at Legal Breaker - District 15  
 3,169 tons prepared at Kocher Breaker - District 15  
 (e) All coal sold unprepared to Pennsylvania Power & Light Co.  
 (f) 1,407 tons prepared at Pine Creek Breaker  
 3,175 tons prepared at Legal Breaker - District 15  
 389 tons prepared at Kocher Breaker - District 15  
 (g) Worked 13 days opening mine - no production of coal.  
 (h) All coal prepared at Superior Breaker.  
 (i) All coal prepared at Oakwood Breaker - District 14.  
 Ceased operating in April 1969.  
 (j) 6,953 tons prepared at Strohecker Breaker  
 26,241 tons prepared at Underkoffler Breaker  
 310 tons prepared at Superior Breaker  
 52 tons prepared at Pine Creek Breaker  
 234 tons prepared at Kocher Breaker - District 15  
 (k) 2,279 tons prepared at Schneck Breaker - District 14  
 667 tons prepared at Oakwood Breaker - District 14
- (l) 43 tons prepared at Superior Breaker  
 1,450 tons prepared at Kocher Breaker - District 15  
 7,222 tons prepared at Legal Breaker - District 15  
 (m) 60 tons prepared at Underkoffler Breaker  
 72 tons prepared at Oakwood Breaker - District 14  
 (n) 4,695 tons prepared at Pine Creek Breaker  
 702 tons prepared at Kocher Breaker - District 15  
 (o) All coal prepared at Strohecker Breaker.  
 (p) 11,130 tons prepared at Strohecker Breaker  
 2,514 tons prepared at Pine Creek Breaker  
 (q) 6,100 tons prepared at Raedinger Breaker - District 11  
 882 tons prepared at Swift Breaker - District 11  
 20 tons prepared at Schneck Breaker - District 14  
 (r) All coal prepared at Fronk Breaker.  
 (s) All coal prepared at Meadowbrook Washery.  
 (t) 4,856 tons prepared at Pine Creek Breaker  
 1,161 tons prepared at Superior Breaker  
 1,049 tons prepared at Kocher Breaker - District 15  
 (u) All coal prepared at Pine Creek Breaker.  
 (v) 1,245 tons prepared at Franklin Breaker - District 14  
 609 tons prepared at Legal Breaker - District 15  
 518 tons prepared at Schneck Breaker - District 14  
 999 tons prepared at Kocher Breaker - District 15

		<u>District 16</u>			Production - net tons			Pounds			Non-			
		: Sold		Used at			permis-	Pounds		Fatal	Fatal			
Operators and Collieries		County	Shipped to market	: to	colliery			sible ex-	Total	plosives	dynamite	Days	Empl-	acci-
			: railroad	By	local	for steam	Total	production:	used	used	used	worked	over	dents
NOTE:	(w)	All coal prepared at Shomper Breaker						(z)	Worked only 17 days (Repair Work) no production of coal.					
	(x)	1,966 tons prepared at Strohecker Breaker						(aa)	31,506 tons prepared at Pine Creek Breaker					
		969 tons prepared at Legal Breaker - District 15							21,982 tons prepared at Strohecker Breaker					
		190 tons prepared at Franklin Breaker - District 14							3,067 tons prepared at Underkoffler Breaker					
	(y)	19,126 tons prepared at Underkoffler Breaker							1,353 tons prepared at Kocher Breaker - District 15					
		1,693 tons prepared at Superior Breaker												
		970 tons prepared at Split Vein Breaker - District 11												

\* \* \* \*

# ANTHRACITE OPERATORS

## COMMONWEALTH OF PENNSYLVANIA

## DEPARTMENT OF MINES AND MINERAL INDUSTRIES

## ANTHRACITE OPERATORS--YEAR 1969

Dist- rict	Operator	General Manager	Address	Zip Code
12	A. & D. Coal Co. DM	A. Androkitis	310 Elizabeth St.	Tamaqua 18252
8	A. D. G. Coal Co. DM	Joseph Alemeda	Lavelle 17943	
16	A. & P. Coal Co. DM	Joseph Reho	130 W. Broad St.	Williamstown 17098
5	Ace Anthracite, Inc. B bk	John Santioni	419 Center Street	Taylor 18517
5	Ace Coal Co. B	W. Simoncelli	300 Main Street	Peckville 18452
11	Ace Coal Sales BP	Walter Mudry	1319 Chestnut St.	Kulpmont 17834
16	Acme Coal Co. DM	Michael Suchar	130 W. Broad St.	Williamstown 17098
12	Adams Co., Inc., Robert B. bk	Robert B. Adams	P. O. Box 693	Pottsville 17901
10	Alarcon Coal Co. DM	Frank Alarcon	402 Melrose St.	Keiser 17832
9	Al-Mar Coal Co. DM	Alber Deitz	436 W. Third St.	Mt. Carmel 17851
5	American Silt Processing Co. W bk	Peter Brojak		Archbald 18403
9	Ashland Community Enterprises DM	Emil R. Ermert	702 Center St.	Ashland 17921
10	B. & B. Coal Co. DM	Frank Barella	513 West Fourth St.	Mt. Carmel 17851
9	B. & B. Coal Co. DM	N. Anascavage	934 Tharp Street	Shamokin 17872
14	B. & C. Coal Co. DM	Willard Clark	R. D. 1	Hegins 17938
7	B-D Mining Co. W bk	G. C. Hower		Gilberton 17934
14	B. & F. Coal Co. DM	F. Neuemeister		Ashland 17921
15	B. & H. Coal Co. DM	Eugene Hawk	R.D.	Fine Grove 17963
16	B. & M. Coal Co. DM	Wayne Moyer		Valley View 17983
16	B. & P. Coal Co. DM	John Perach	W. Market Street	Williamsport 17098
9	B. & S. Coal Co. DM	B. Blasovich	Box 208-A, R.D. 1	Shamokin 17872
11	Bank Coal Co., Inc. DM	E. Naravage	P. O. Box 161	Mt. Carmel 17851
1-5	Barca Coal & Land Co. B bk S	Louis Falzone	50 Wyoming Ave.	Wyoming 18614
5	Baumann, John C. bk	J. C. Baumann	P. O. Box 505	Carbondale 18407
4	Bell Coal Co. S	A. Kovalchick	P. O. Box 251	Brockton 17925
10	Bell Coal Co. DM	George Feaster, Jr.	551 Market St.	Trevorton 17881
12	Bernitsky Coal Co. BP DM	J. Bernitsky		Middleport 17953
12	Bernitsky & Stenulis Part. DM	Albert Bernitsky	17 Water Street	New Phila. 17959
7	Blaschak Coal Co., Inc. B DM	Edward Razzis	St. Nicholas	Mahancy City 17948
1	Bliss Coal Co. S CP	Carl Bliss	P. O. Box 345	Mildred 18632
4-13-	Blue Bell Enterprises, Inc.	J. W. Butcavage	720 Lytle Street	Minersville 17954
14-15	S BP bk			
1-5-6	Blue Coal Corp. B bk DM S	Isadore Berk	101 S. Main Street	Ashley 18706
13	Bosack Coal Co. DM	Frank Bosack, Jr.	R.D. 2, Box 788	Pottsville 17901
8	Botella Coal Co., James bk	James Botella	117 Williams St.	Girardville 17935
4	Bridy, Inc. S	Edward A. Bridy	237 W. Girard St.	Atlas 17811
2	Brook Contracting Corp. S	C. E. Wezner	127 W. Noble St.	Hazleton 18201
12	Bubel Mining Co., Inc. DM	Michael Bubel	P. O. Box 129	Brockton 17925
3	Buck Coal Co. S	John Miller	427 W. Avenue	Mt. Carmel 17851
7	Buckley Coal Corp. B	Norman James	R. D. 2	Weatherly 18255
8	Burnrite Coal Co. DM	Wm. Reiff	803 Walnut Street	Ashland 17921
11-15	Bush Coal Co. DM	Earl Bush	1104 E. Grand St.	Tower City 17980
5	C. B. M. Coal Co. bk	Eugene Bartoli	559 E. Northampton	Wilkes-Barre 18703
13	C. L. M. Partnership bk	J. Lazarchick	R. D. 1, Box 72	Pottsville 17901
4-13	C. L. S. Coal Co. S bk B	D. Roderick	P. O. Box 296	Branchdale 18201
9	C. & P. Coal Co. DM	R. A. Pittello	201 S. Vine St.	Mt. Carmel 17851
1	C. & S. Excavating Co. S	Peter Corazzi	101 E. Drinker St.	Dunmore 18512
7	Capparell Coal Co., Inc. B	Vincent Capparell		Shenandoah 17976
3-7-8	Capparell Strip & Const. Co. S bk	Martin Capparell	136 E. Fifth St.	Hazleton 18201
1	Carbondale Coal Co. S CP	John Gillen	78 Cottage St.	Carbondale 18407
12	Cass Contracting Co. BP	F. J. Ryan	R. D. 2	Pottsville 17901
10	Chestnut Coal Co. DM	Stephen Shingara	R. D. 3	Sunbury 17801
15	Chyke Coal Co. DM	Charles Chyke	S.R. Box 54	Tremont 17981
6	Ciarafoni Coal Co., Inc. DM	Albert Ciarafoni	580 Market Street	Kingston 18704
15	Clark Coal Co. DM	Clark Maurer, Jr.		Hegins 17938
10	Clay Coal Co. DM	Ellsworth Libby	690 Bear Valley Ave	Shamokin 17872
5	Coalbrook Iron & Metals bk	J. C. Baumann	P. O. Box 505	Carbondale 18407
7	Coleby Coal Co., Inc. W bk	G. C. Hower		McAdoo 18237
14	Colket Coal Co. DM	J. Messaros	School Row	Branchdale 17923

Dist- rict	Operator	General Manager	Address	Zip Code
4	Connors, Paul J. S	Paul J. Connors	P. O. Box 173	Pottsville 17901
3-9	Conyngham Contracting Co. S bk	W. J. Farley	P. O. Box 173	Ashland 17921
12	Correale Construction Co. bk	G. M. Seiler	109 E. First St.	Hazleton 18201
13	Coxe Coal Co. DM	Norman Essler	804 W. Market St.	Pottsville 17901
4	D. & F. Coal Co. S	F. G. Roehrig	204 North Street	Minersville 17954
11	D. H. & W. Coal Co. DM	Victor Delosso	P. O. Box 70-A	Paxinos 17860
12	D. & M. Coal Co. DM	Thomas Mogish	R. D. 1	Barnevilles 18214
16	D. & R. Coal Co. DM	Robert Rhen	R. D. 3	Fine Grove 17938
8	D. R. Z. Coal Co. DM	D. Fernandez	112 Melrose St.	Keiser 17832
10	D. & S. Coal Co. DM	Daniel Fedako	1915 Race Street	Ashland 17921
3-11	D. & Z. Coal Co. S BP	Stanley Dlinnick	P. O. Box 307	Shamokin 17872
13	Dando Coal Co., F.P. DM	F. P. Dando	R. D. 3	Pottsville 17901
12	David Coal Co. DM	Harry David	P. O. Box 505	Schuylkill Ha. 17972
5	DeAngelis, Inc. B	J. C. Baumann	P. O. Box 505	Carbondale 18807
13	Dembinsky Coal Co. DM	N. Dembinsky	505½ Pottsville St.	Minersville 17954
7	DiCasimirro Contracting Co. bk	Felix DiCasimirro	92 Main Street	Morea Colliery 17955
11	DiDiminick Coal Sales BP	E. J. Muolo	P. O. Box 132	Paxinos 17860
13	DiRenzo Coal Co. BP	Dominick DiRenzo	R. D. 2	Pottsville 17901
10	Duke Associates DM	Joseph Duke	1023 W. Willow St.	Shamokin 17872
8	Duke Mining Co. DM	Joseph Duke	1023 W. Willow St.	Shamokin 17872
7	Dyszel Brothers Coal Co. DM	Steve Dyszel	104 N. Third St.	Girardville 17935
9	E. & M. Coal Co. DM	John Fogley	P. O. Box 296	Mahanoy City 17948
15	Ennis Coal Co. DM	William Ennis	7 W. Center St.	Ashland 17921
4	Erdman Coal Co. DM	Jay Erdman	P. O. Box 395	Valley View 17983
7	F. & M. Coal Co. S	Francis J. Fox	720 Fairview St.	Pottsville 17901
14	Farace Coal Co., Inc., J.J. bk	Joseph Farace, Jr.	151 Wilson Drive	Hazleton 18201
16	Faust Coal Co. DM	Charles Faust	R. D. 3	Pine Grove 17963
16	Fireside Mining, Inc. DM	Sidney Melnicove	281 S. Main St.	Pine Grove 17963
4	Five Points Coal Co. S	James J. Hanlon	1305 W. Market St.	Pottsville 17901
3	Folger & Chapplekski S	Leonard Chapplekski	P. O. Box 5	Ranshaw 17866
7	Forgotch Brothers Coal Co. DM	Vincent Forgotch	522 W. Mahanoy Ave.	Mahanoy City 17948
7	Forsum Coal Co., Inc. IM	Joseph Sluck	P. O. Box 395	Gilberton 17934
10	Four Partners Coal Co. DM	John Vrona	814 E. Sunbury St.	Shamokin 17872
14	Franklin Coal Co. BP	Franklin Miller	Ravine	17966
16	Fronk Coal Co., George BP	George Fronk	Valley View	17983
11	G-D Coal Co. DM	Glen Derck	R. D. 2	Klingerstown 17941
16	G. & K. Coal Co. DM	Joseph Garber	243 E. Broad St.	Williamstown 17098
5	G. M. C. Energy Fuels CP	A. Giarrantano	P. O. Box 702	Pittston 18610
9-11	G. M. P. Coal Co. DM BP	Albert Geslock	530 E. Seventh St.	Mt. Carmel 17851
8-9-16	Gangloff Brothers bk	G. B. Gangloff	R. D. 1	New Ringgold 17960
12	Garber Coal Co., Paul DM	Paul Garber	R. D. 1	Barnesville 18214
11	Gen Coal Co., Inc. DM	Clifford Artman	Box 71-A, R.D. 1	Shamokin 17872
7	Generose Coal Co., J. bk	J. Generose	306 Main Street	Lattimer 18234
7	Gilberton Coal Co. bk	G. C. Hower	P. O. Box 219	Gilberton 17934
12	Ginther Coal Co. bk	David Bressler	129 W. Avenue	Hazleton 18201
3	Glenn Brass Coal Co. S	Glenn Brass	P. O. Box "F"	Mt. Carmel 17851
10	Glen Burn Colliery B bk	Edward Helfrick	Shamokin	Wilkes-Barre 18702
6	Glen-Nan Coal Co., Inc. DM	G. H. Kienzle	St. Mary's Road	Pottsville 17901
13	Glen Worth Coal Co. BP	Carl L. Hoke	2204 W. Market St.	Shamokin 17872
3	Glosek Bros. Coal Sales, Inc. S	Frank Glosek	1310 W. Holly St.	Middleport 17953
12	Gorenty Coal Co. DM	Earl Gorenty	Walnut Street	Fern Glen 18211
2-7	Gowen Coal Co. S B BP	Elmer Roth	Shamokin	17872
11	Grego & Deitz Coal Co. DM	Stanley Grego	836 W. Spruce St.	Tamaqua 18252
12	Greenwood Mining Co. BP	Joseph Fauzio	P. O. Box 269	Nesquehoning 18240
2	Greenwood Stripping Corp. S	Joseph Fauzio	R. D. 2	Pottsville 17901
12	Grove Coal Co. bk	Frank J. Ryan	R. D. 1	Milton 17847
11	H. J. & H. Coal Co., Inc. BP	Harry D. Reitz	Sacramento	17968
16	H. L. S. Coal Co. DM	Robert Snyder	Donaldson	17981
13	H. & M. Coal Co. DM	Donald Nahodil	1654 Mohawk St.	Donaldson 17981
10-14	H. & S. Coal Co. DM	Dale Herb	Pitman	17964
13	Haas Coal Co. DM	Lester Haas	Mt. Carmel	17851
8	Hanks Coal Co. DM	Henry Szymanski	Gilberton	17934
8	Hard Top Coal Co. DM	Joseph Sluck	Valley View	17983
16	Harman Coal Co. DM	Clair Harman	Tremont	17981
15	Harner Coal Co. DM	Junior Harner	Valley View	17983
16	Harner Coal Co., Inc. DM	Alfred Harner	Hegins	17938
14-16	Hatter Coal Co. DM	Jacque Hatter	Zerbe	17981
13-14-15	Higgins Mining Co. IM B	Forrest Otto	Tamaqua	18252
15	High Test Coal Co. DM	R. R. Jones	Meadow Coal & Exc. Co., Inc. S	17982
2-7	Honeybrook Mines, Inc. S bk B	G. M. Seiler	Hazleton	18201

Dist- rict	Operator	General Manager	Address	Zip Code
11	Hoover Mining Co., Inc. BP	George Hoover	118 N. Sixth St.	Sunbury 17801
16	Hornberger Coal Co. DM	C. Hornberger	R. D. 1, Box 300	Ashland 17921
3	Howells & Olaf Stripping Co. S	Stanley Olaf	1415 Scott Street	Kulpmont 17834
2-7	Huss, George S W bk	George Huss	Ringtown 17967	
4-11	Industrial Coal Sales Co. S BP bk	Robert Doebler	Donaldson 17981	
15-16	J. & C. Coal, Inc. DM	J. Walacavage	R. D. 1, Box 548	Pottsville 17901
2-7	Jeddo-Highland Coal Co. S B bk	Frank Moran	800 Exeter Ave.	W. Pittston 18643
3	Jst Coal Co. S	John Menapace	P. O. Box 143	Mt. Carmel 17851
8	K. & C. Coal Co. DM	Charles Cress	505 W. Mahanoy Ave.	Girardville 17935
11	K. & D. Coal Co. BP	Alvin Kopenhaver	Box 316-A, R.D. 2	Shamokin 17872
3	K. & J. Coal Co. S	Wallace Keller	709 N. Paxton St.	Centralia 17927
4	K. & K. Coal Co. S	B. Kuperavage	133 Valley Furance	Port Carbon 17965
10	K. & K. Coal Co. DM	John Kastroba	R. D. 2 Coal Run	Shamokin 17872
8	K. & M. Excavating Co. bk	Joseph Moroz	P. O. Box 454	Mt. Carmel 17851
13	K. & M. Coal Co. DM	Con Kulpavage	R. D. 2	Pottsville 17901
12	K. & P. Coal Co. BP	Edward Padinske	P. O. Box 296	Minersville 17954
13	K. S. F. Coal Co. DM	Melvin Kroh	R. D. 2	Hegins 17938
8	Kaleta Brothers Coal Co. DM	James Kaleta	Box 299-A Luke Fidler	Shamokin 17872
1	Kaminski Brothers S	J. Kaminski	378 State Road	Avoca 18640
2-7	Kassa Coal Co. S DM	Nicholas Kassa	322 Simpson St.	Dupont 18611
15	Keffers Coal Co. DM	Robert Barder	Ilykens 17948	
9	Kerrigan, Paul bk CP	Paul Kerrigan	R. D. 1	Ashland 17921
3	Kerris & Helfrick, Inc. S	Edward Helfrick	Lehigh & Poplar	Mt. Carmel 17851
16	Kintzel Brothers Coal Co. DM	Nathan Kintzel	R. D. 2	Pine Grove 17938
12	Klimas Coal Co. DM	Albert Klimas	31 Clay Street	New Phila. 17959
14-13	Klinger Coal Co. S DM	Earl Klinger	R. D. 2	Hegins 17938
15	Knorr Coal Co. DM	Leroy Knorr, Sr.	Valley View 17983	
16-15-16	Kocher Coal Co., Inc. BP S DM bk	Leon E. Kocher	P. O. Box 127	Tremont 17981
16	Koppenhaver Coal Co. DM	H. Koppenhaver	203 Laurel Street	Pottsville 17901
4	Koury Coal Co. S	D. M. Koury	1038 Laurel St.	Tamaqua 18252
4	Krell, Philip S	Philip Krell	R. D. 3	Brockton 17925
12	Kristoff Coal Co. DM	John Kristoff	Good Spring 17981	
16	Kroh Coal Co. DM	Mark Kroh	Pine Grove 17938	
14	L. E. H. Coal Co. DM	Howard Renninger	111 High Street	Wilkes-Barre 18702
6	L. J. B., Inc. bk	Lelio Bisconti	St. Mary's Road	Catawissa 17820
11	Lady Luck Coal Co. DM	Ken Brasington	R. D. 3	Pine Grove 17938
5	Laflin Heights Coal Co. bk	Louis Falzone	540 Wyoming Ave.	Wyoming 18644
16	Lahr Coal Co. DM	Marlin Lahr, Sr.	Mountainside	Williamstown 17098
12	Lanscoal Mining Co., Inc. DM	Stephen Karabinos	4 Ridge Street	Lansford 18232
15	Legal Coal Co. BP	Robert R. Jones	Tamaqua 18252	
7-8-12-15	Lee Mining Co., Inc., J.F. DM	J. F. Lee	836 N. Church St.	Ashland 18201
7	Lehigh Valley Anthracite, Inc. B	Frank Moran	800 Exeter Ave.	W. Pittston 18643
16	Lehman Coal Co., Mervin DM	Peter Lucas	Donaldson 17981	
13	Live Oak Coal Co. BP	Peter Laychock, Jr.	Pottsville 17901	
9	Lone Pine Coal Co. DM	Martin Bogus	1453 W. Mulberry St.	Shamokin 17872
11	Lower Region Colliery, Inc. W	Leonard Chapplekski	P. O. Box 240	Shamokin 17872
16	Lucas Coal Co., Franklin DM	Franklin Lucas	R. D. 3	Pine Grove 17938
7	McAdoo Mining Co. DM	Eugene Pinter	62 N. Tamaqua St.	McAdoo 18237
7	M. A. D. Coal Co. DM	Alvin Morgan	322 Main Street	Williamstown 17098
8	M. & J. Coal Co. bk	Robert Morris	313 Taylor Street	Atlas 17811
8	M. & N. Coal Co. DM	Michael Cienick	224 N. 20th St.	Pottsville 17901
13	M. & S. Coal Co. DM	Allen Shoffler	337 Melrose St.	Keiser 17832
6	M. & Z. Coal Co. DM	Willard Marquette	611 W. Pine Street	Shamokin 17872
10	M. G. & S. Coal Co. DM	Joseph Murin	301 S. Spruce St.	Mt. Carmel 17851
15	M. W. S. Coal Co. DM	Palmer Mervine	R. D. 1	Ashland 17921
16	Mace Coal Co., James DM	R. Kerstetter	Spring Glen 17978	
15	Madenford Coal Co. DM	George Madenford	Tremont 17981	
9	Maksimik Coal Co. bk	S. Maksimik	435 W. Columbus St.	Shenandoah 17976
7	Malho Coal Co. B	Ralph Malho	Lavelle 17943	
12-15	Manbeck Dredging Co., Inc. W bk	Kenneth Heiser	218 E. Liberty St.	Schuylkill Ha. 17972
12	Mar Strip & Excavating Co. bk	Armando Zarra	Tamaqua 18252	
16	Marby Coal Co., Inc. DM	Wm. Heitzman	R. D. 2, Box 340	Shamokin 17872
16	Marchuk & Sons Coal Co. DM	Steve Marchuk	Reinerton 17980	
16	Marion Mining Co., Inc. DM CP	M. Raczkowski	P. O. Box 229	Shenandoah 17976
11	Marquette Coal Co. DM	D. H. Marquette	611 W. Pine St.	Shamokin 17872
10	Maurer Coal Co., Paul DM	Paul F. Maurer	820 Lott Street	Shamokin 17872
7	Mazaika Brothers Coal Co. B	E. W. Mazaika	R. D. 2	Tamaqua 18252
16	Meadowbrook Coal Co. W bk	Leslie Kimmel	Ilykens 17948	
2	Meadow Coal & Exc. Co., Inc. S	Andrew Brazzo	New Coxeville Rd.	Beaver Meadows 18216
14	Mercury Coal Co., Inc. DM	Leon Richter	Donaldson 17981	

Dist-	Operator	General Manager	Address	Zip
8	Mickey Coal Co.	DM	J. Mickatavage 40 Oakland Ave.	Ashland 17921
14	Miller Coal Co.	DM	Daniel Miller Box 141-K, R.D. 1	Valley View 17983
3	Minel, Inc.	S	S. Koreniewicz Drawer N	Shamokin 17872
13	Minersville Coal Co.	BP	Leo Strenkoski Gene Minich	Minersville 17954
15	Minnick Coal Co.	DM	Michael Costanzo 78 Cottage Street	Carbondale 18407
5	Moffat Premium Anth., Inc.	B	James E. Mohan 277 Chestnut Street	Ashland 17921
4	Mohan Co., James E.	S	Claude A. Moore Box 281, R. D. 2	Shamokin 17872
11	Moore Coal Co.	DM	John Morack 407 N. Vine Street	Mt. Carmel 17851
8	Morack Coal Co.	DM	P. O. Box 15	Excelsior 17825
10	Motto Partnership	DM	Marlin Zimmerman Ravine	Wyoming 18644
4	Mountain Anthracite Co.	S	Thomas Supey 55 W. Sixth St.	Tamaqua 18252
5	Mountain Coal Co.	DM	Roy Habel 51 1/2 Broad Street	Minersville 17954
12	Mountain Side Coal Co.	BP	William Vesay 515 St. Francis St.	Minersville 17954
14	Mountain Top Coal Co.	DM	James Foulds Shamokin 17872	Shamokin 17872
10	Mountain View Coal Co.	DM	Peter Gregas Girardville 17935	Paxinos 17860
12	My Own Coal Co.	DM	A. J. Novrocki Box 212, R. D. 1	Paxinos 17860
11	N. & L. Coal Co.	DM	Carl Ney Valley View 17983	Ashland 17921
14	Neumeister Coal Co., J.	DM	James Neumeister Box 66, R.D. 1	Shamokin 17872
15	Ney & Lehman Coal Co.	DM	Frank Niadna Coaldale 18218	Coaldale 18218
12	Niadna Coal Co., Frank	DM	Frank Lucas Main Street	Higgins 17928
16	No. 4 Coal Co.	DM	C. Wayne Troxell Box "M"	Shamokin 17872
3	North Line Coal Co.	S	John Gillen 78 Cottage Street	Carbondale 18407
1-5	Northwest Mining Co., Inc.	S B	A. J. Kaufman S. Church Street	Carbondale 18407
5	O. S. C. Co.	bk	David Deaven R. D. 3	Pine Grove 17963
14	Oakwood Coal Co.	BP	Raymond Stein P. O. Box 172	Llewellyn 17944
13	Old Mill Coal Yard	B bk	Nicholas Olenick Nicholas Olenick	Minersville 17954
13	Olenick Brothers Coal Co.	B bk	Joseph Olman McAdoo 18237	46 N. Tamaqua St.
7	Olman & Co.	DM	Adam Opalka 43 Madison Ave.	Jermyn 18433
5	Opalka Brothers	DM	John F. O'Toole 208 S. Hyde Park	Scranton 18504
5	O'Toole, John F.	CP	Samuel Leonard P. O. Box 282	Olyphant 18447
5	Olyphant Premium Anth., Inc.	bk CP	Walter Pewor R. D. 2	Pottsville 17901
13	P. & H. Coal Co.	DM	Joseph Rutkowski 827 Scott Street	Kulpmont 17851
10	P. & R. Coal Co.	IM	Joseph Rutkowski Water Street	Cumbola 17930
4	Pacie Coal Co.	S	Michael Pacine Branchdale 17923	Branchdale 17923
15	Panther Head Coal Co.	DM	Charles Butensky 419 Center Street	Taylor 18612
1	Pasternak Brothers	S	John Pasternak 1793 Tioga Street	Shamokin 17872
10	Peacock Coal Co.	DM	Robert Albert 729 Main Street	Archibald 18003
5	Pembrook Coal Co.	B bk	Richard Fabri Thomas Perry	1416 Penn Avenue
5	Perry Coal Sales Co., Inc.	bk CP	Lewis H. Phillips Box 133, R. D. 1	Scranton 18509
11	Phillips Coal Co.	DM	W. L. Jones, Jr. R. D. 2	Shamokin 17872
7-12	Phoenix Contracting Co.	bk B	Harry Wallieck 300 S. Market St.	Pine Grove 17938
16	Pine Creek Coal Co.	BP	Peter Smullen Vulcan	Spring Glen 17978
10	Pine Line Coal Co.	IM	John Polcovich 103 Center Street	Barnesville 18214
7	Pleasant Hill Coal Co.	DM	George Sorber Route 11	Centralia 17927
6	Polcovich Coal Co.	IM	Charles Pompey P. O. Box 91	Hunlock Creek 18601
5	Pompey Coal Co.	bk	John Poponiak 146 Warsaw Street	Jessup 18434
8	Poponiak Brothers Coal Co.	DM	John Poponiak 300 Newrose Bldg.	Keiser 17832
5	Popple Coal Sales Co.	Raymond bk	Raymond Popple John Federak	Pittston 18640
12	Premium Fine Coal Co., Inc.	bk	202 Hunter Street	Tamaqua 18252
3	R. B. F. Coal Co.	S	Robert Fanella P. O. Box 454	Mt. Carmel 17851
15	R. & K. Coal Co.	DM	George Rigdosh Centralia 17927	Wiconisco 17097
9	R. & L. Coal Co.	DM	Francis Revenis 528 Locust Ave.	Centralia 17927
12	R. & R. Coal Co.	BP	Ronnie Roinick 521 Oak Street	Jim Thorpe 18229
4	R. & S. Coal Co.	S	Thomas Stewart 456 Sunbury St.	Minersville 17954
5-7	Racho, George	bk	G. E. Wezner P. O. Box 98	Hazleton 18201
12	Randolph Coal Co.	W bk	Paul J. Connors P. O. Box 173	Pottsville 17901
9-10	Ranshaw Transportation & Auto Wreckers Co.	W bk	Leonard Chapleski P. O. Box 5	Ranshaw 17866
1	Raymond Colliery Co.	S	John Gillen 78 Cottage Street	Carbondale 18407
3-4-7-9	Reading Anthracite Co.	S B	G. A. Schnee 200 Mahantongo St.	Pottsville 17840
11-12-13	S BP bk W			
9-13	Reichwein & Beury Coal Co.	B DM	Harold Reichwein Box 261, R. D. 1	Ashland 17921
11	Reidinger Coal Service, Inc.	BP	G. W. Troxell Box L.Y.	Shamokin 17872
16	Reiner Coal Co.	DM	William Reiner 837 E. Grand St.	Tower City 17980
14	Renninger & Partners Coal Co.	DM	Theodore Renninger Elwood Swank	Zerbe 17981
8	Ron Lee Coal Co.	bk	R. D. 1	Paxinos 17860
3-10	Rosini Coal Co.	S B	Ewold Rosini P. O. Box 184	Shamokin 17872
13	S. & B. Coal Co.	IM	Edward Sorokach P. O. Box 14	Minersville 17954
14	S. B. K. Coal Co.	DM	Mark Shade Higgins 17938	Higgins 17938

Dist-	Operator	General Manager	Address	Zip
1	S. B. P. Coal Co.	S GP	Darrel Keihl P. O. Box 88	Mildred 18632
10	S. & C. Coal Co.	DM	Wm. J. Stellar 1302 Scott St.	Kulpmont 17834
3	S. & D. Coal Co.	S	S. Shalamanda R. D. 1	Ashland 17921
8	S. & D. Coal Co.	DM	Ernest DiRenzo 330 Melrose St.	Keiser 17832
13	S. & F. Coal Co.	DM	John Federovich Main Street	Seltzer 17974
16	S. & K. Coal Co.	DM	Palmer Klinger John Simodejka	Spring Glen 17978
15	S. & M. Coal Co.	DM	Daniel Shade John Simodejka	Valley View 17983
13	S. & M. Coal Co.	DM	Edward Sosnoskie 219 E. Melrose St.	Minersville 17954
3	S. & S. Contracting Co.	S	Keiser 17832	
16	S. & T. Coal Co.	DM	Michael Scheib Tremont 17981	
15	S. & W. Coal Co.	DM	C. L. Williamson Valley View 17983	
9	Sanders Coal Co.	DM	Walter Anascavage Shamokin 17872	
3-9	Savitski Bros. Coal Sales B DM	S	Joseph Savitski Forest & Mulberry	Atlas 17811
12	Schickram, William	bk	William Schickram 130 Clay Street	Tamaqua 18252
14	Schneek Coal Co., Thomas W.	BP	Thomas W. Schneek R. D. 1	Tuscarora 17982
4	Schock Co., Norman C.	S	Norman C. Schock Pine Grove 17963	Pottsville 17901
4-13	Schuylkill Contracting Co.	S bk	Frank J. Ryan P. O. Box 360	Tremont 17987
14	Schwartzlander Coal Co., Inc.	DM	J. Schwartzlander 31 North Street	Shaft 17975
9-13	Scott Coal Co.	IM	Steve Forgotch 3 Back Road	Old Forge 18518
5	Scranton Excavating Co.	bk	Rocco Domino 3 E. McClure Ave.	Minersville 17954
13	Seanawaitis Bros. Coal Co.	DM	A. Seanawaitis 530 Lytle Street	Pittston 18640
5	Sebastopol Coal Co.	bk	A. Giarratano P. O. Box 702	Pottsville 17901
15	Seitzinger Bros. Leasing, Inc.	S	Wm. Seitzinger Blvd. & Mill Creek	Valley View 17983
15	Shade Coal Co.	DM	Alvin Shade Henry Reber	Tremont 17987
16	Shomper Coal Co.	IM	R. H. Shomper 305 Vine Street	Williamstown 17098
5-6	Silverbrook Anthracite, Inc.	B bk	Theodore Kassa 322 Simpson St.	Dupont 18641
12	Silver Creek Coal Co., Inc.	BP	A. Bonchack P. O. Box 246	New Phila. 17959
13	Siminitus Coal Co.	DM	E. Siminitus R. D. 1, Box 99	Pottsville 17901
12	Skripnek Coal Co.	DM	Daniel Skripnek R. D. 1	New Ringgold 18252
11	Slo-Burn Coal Co., Inc.	W	Alex Flohoskie P. O. Box 164	Mt. Carmel 17851
16	Smeltz Coal Co.	DM	Joseph Shade R. D. 1	Higgins 17938
13	Snyder Coal Co., Leroy	DM	Leroy Snyder R. D. 1	Lykins 17048
13	Sorokach Coal Co.	DM	Edward Sorokach Box 14	Minersville 17954
15	South Tamaqua Coal Pockets	BP	Donald Warne R. D. 3	Tamaqua 18252
15	Spanake & Herring Coal Co.	DM	Milton Spanake Elwood Swank	Pine Grove 17963
3-10	Split Vein Coal Co., Inc.	S BP DM	Elwood Swank Box 336-C, R. D. 1	Paxinos 17860
11-16	Springfield Coal Co.	DM	S. Koreniewicz Box 141-K, R. D. 1	Shamokin 17872
15	Stahl Coal Co.	DM	John Stahl R. D. 1	Valley View 17983
16	Starworsky & Miller Coal Co.	DM	James H. Miller R. D. 1	Millersburg 17061
7	Starwood Coal Corp.	DM B	Alfred Peca 14 S. Main Street	Mahanoy City 17948
8-9-10	State Coal Co., Inc.	B bk	G. M. Seiler R. D. 1, Box 56	Ashland 17921
16	Strohecker Coal Co.	BP	J. Strohecker R. D. 1	Elizabethville 17023
13	Studlack Coal Co.	DM	A. Studlack 314 New Castle St.	Minersville 17954
8	Sun Coal Co., Inc.	B	Wm. J. Farley 215 W. Ninth St.	Ashland 17921
10	Sunshine Coal Co.	B	R. Steinhart P. O. Box 502	Trevortown 17881
16	Superior Preparation Co., Inc.	BP	Roy Elyer 8 W. Main Street	Valley View 17983
6	Susquehanna Coal Co.	DM	L. G. Lebo E. Lashdock	Nanticoke 18634
8	Swamp Coal Co.	BP S	W. P. Parker, Jr. P. O. Box "G"	Keiser 17832
15	Swatara Coal Co.	BP S	Sweet Water Coal Co.	Minersville 17954
4-13	Sweet Water Coal Co.	DM	Leonard Harner Sacramento 17968	
11	Swift Coal Sales	BP	Adam Swift Shamokin 17872	
12	T. & B. Coal Co.	DM	E. Yenesky New Phila. 17959	
11	T. & L. Coal Co.	DM	William Lytle, Jr. Shamokin 17872	
11	T. & M. Coal Co.	DM	Thomas J. Morris Shamokin 17872	
5	Taminini Construction Co.	bk	Alfred Taminini 57 Sharp Street	Kingston 18704
12	Thirty Slope, Inc.	DM	Edmund Watkins P. O. Box 229	Shenandoah 17976
14	Three Par Coal Co.	DM	Donald Bate 124 Main Street	Pine Grove 17963
14	Tobin Coal Co.	DM	Allen Tobin 530 Colliery Ave.	Tower City 17980
10	Tower Coal Co.	DM	Michael Tokarchek 551 Laurel Street	Minersville 17954
12	Tracy Coal Co.	DM	George Feaster, Jr. Trevortown 17881	
10	Twins Oaks Coal Co.	DM	Michael Dudash Pottsville 18152	
10	Underhoffler Coal Co.	BP DM	Leonard Machesic Paxinos 17860	
16	Underhoffler Coal Co.	BP DM	G. Underhoffler Williamsport 17098	
4	Valent Coal Co., Frank S		Valent Coal Co., Frank S Stanley Lech R. D. 2	Pottsville 17901
7	Valley Coal Co.	B	George Fronk Valley Construction Co.	Tamaqua 18252
16	Valley Enterprises, Inc.	S	Joseph Petrole Valley Enterprises, Inc.	Valley View 17983
4	Vulfo & Vantaggi	bk	Alfred Vantaggi R. D. 2	Tamaqua 18252
5	Vulfo & Vantaggi	bk	207 Main Street	Pittston 18640

Dist- rict	Operator	General Manager	Address	Zip Code
4	W. & W. Construction Co. S	Jos. Walacavage	P. O. Box 548	Pottsville 17901
7	Wesner Coal Co. B	W. J. Wesner	R. D. 2	Tamaqua 18252
10	West Cameron Coal Co. DM	Robert Erb	603 Market Street	Shamokin 17872
13	West West Coal Co. DM	Leo Strenkoski	P. O. Drawer I	Minersville 17954
12	Whippoorwill Coal Co. DM	Jos. Tarconish, Jr.	Washington Street	Middleport 17953
8	White Birch Coal Co. DM	M. Raczkowski	P. O. Box 229	Shenandoah 17976
7-8	White Coal Co. DM bk	Wilbur White	P. O. Box 47	Ashland 17921
16	White's Vein Coal Co.	Clayton Shade		Sacramento 17968
11	Whitney Coal Co., Inc. DM	Charles Greco	1054 Scott St.	Kulpmont 17834
12	Williams Partnership DM	Evan Williams		New Phila. 17959
16	Williamson Coal Co., Inc. DM	A. Williamson		Valley View 17983
13	Winne Land Co. W	Robert Bickel	R. D. 2, Box 360½	Pottsville 17901
16	Wolfe Coal Co. DM	William Wolfe	307 North Street	Williamstown 17098
15	Wolfgang Coal Co. DM	Marlin Wolfgang	169 Wiconisco St.	Tower City 17980
13	Woratyka Coal Co. DM	Andrew Woratyka	P. Q. Box 2	Llewellyn 17944
13	Woodside Mining Co. DM	John Olenick	R. D. 1, Box 117-A	Pottsville 17901
12	Zakrewsky Coal Co. DM	Peter Zakrewsky	Park Crest	Barnesville 18214
9	Zanella Brothers Coal Co. DM	Stephen Zanella	34 Spruce Street	Ashland 17921
15	Zimmerman Coal Co., Marlin DM	Marlin Zimmerman	Ravine	17966
8	Zukus Coal Co. DM	Joseph Zukus	557 W. Girard St.	Atlas 17811

NOTE: DM - Denotes Deep Mines  
 S - Denotes Strip Mine Operations  
 B - Denotes Breakers  
 BP - Denotes Breaker Preparation Only  
 bk - Denotes Bank Operations  
 CP - Denotes Cleaning Plant  
 W - Denotes Washery

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# ANTHRACITE BREAKERS, WASHERIES AND PREPARATION PLANTS

## COMMONWEALTH OF PENNSYLVANIA

## DEPARTMENT OF MINES AND MINERAL INDUSTRIES

ANTHRACITE DIVISION  
Breakers, Washerries and Preparation Plants

Dist- rict	Preparation Plant	Company	Location	Zip Code
5	Ace Breaker	Ace Anthracite, Inc.	Blakely	18512
11	Ace Breaker	Ace Coal Sales	Weigh Scales	17872
7	B-D Fine Coal Plant	B-D Mining Co.	Mahanoy Twp.	17958
7	Beaver Brook Fine Coal Plant	Huss, George	Hazle Twp.	18704
12	Beechwood Cleaner Plant	Reading Anthracite Co.	Seltzer	17974
12	Bernitsky Breaker	Bernitsky Coal Co.	Middleport	17953
12	Black Heath Breaker	Phoenix Contracting Co.	Cressona	17929
7	Blaschak Breaker	Blaschak Coal Co., Inc.	St. Nicholas	17918
1	Bliss Crushing Plant	Bliss Brothers Coal Co.	Cherry Twp.	18632
5	Booth Cleaning Plant	Barca Coal & Land Co.	Mildred	18632
12	Brockton Breaker	R. & R. Coal Co.	Brockton	17925
7	Candleton Breaker	Coleby Coal Co., Inc.	Gilberton	17934
10	Carbon Run Breaker	Rosini Coal Co.	Shamokin	17872
11	D. & Z. Breaker	D. & Z. Coal Co.	Weigh Scales	17872
8	Diamond Breaker	Sun Coal Co., Inc.	Atlas	17811
11	Diminick Breaker	Diminick Coal Sales	Paxinos	17860
13	DiRenzo Breaker	DiRenzo Coal Co.	Llewellyn	17944
14	Donaldson Breaker	Industrial Coal Sales Co.	Donaldson	17981
7	Eckley Breaker	Buckley Coal Corp.	Eckley	
5	Franklin Cleaning Plant	Lehigh Valley Anthracite, Inc.	Wilkes-Barre	18702
14	Franklin Hydrotated Breaker	Franklin Coal Co.	Ravine	17966
11	G. M. P. Breaker *	Bar-Mac Coal Co., Inc.	Weigh Scales	17872
10	Glen Burn Breaker	Glen Burn Colliery, Inc.	Shamokin	17872
6	Glen Lyon Breaker	Susquehanna Coal Co.	Glen Lyon	18617
13	Glen Worth Breaker	Glen Worth Coal Co.	Cressona	17929
7	Gowen Breaker	Gowen Coal Co.	Fern Glen	18211
7	Gowen Cleaning Plant	Gowen Coal Co.	Fern Glen	18211
12	Greenwood Breaker	Greenwood Mining Co.	Rahn Twp.	19426
12	Greenwood Fine Coal Plant	Greenwood Mining Co.	Coaldale	18218
11	H. J. & H. Breaker	H. J. & H. Coal Co., Inc.	Trevorton	17881
5	Harry E. Breaker	Lehigh Valley Anthracite, Inc.	Swoyersville	18701
7	Hazleton Shaft Breaker	Lehigh Valley Anthracite, Inc.	Hazleton	18201
7	Hazleton Shaft Cleaning Plant	Lehigh Valley Anthracite, Inc.	Hazleton	18201
7	Highland No. 5 Breaker	Jeddo-Highland Coal Co.	Foster Twp.	18612
13	Hillside Breaker	Higgins Coal Co.	Zerbe	17984
7	Honeybrook Breaker	Honeybrook Mines, Inc.	Audenried	18213
11	Hoover Breaker	Hoover Mining Co., Inc.	Paxinos	17860
5	Huber Breaker	Blue Coal Corporation	Ashley	18706
7	Jeddo No. 7 Breaker	Jeddo-Highland Coal Co.	Hazle Twp.	18704
15	Joliett Breaker	Lehigh Valley Anthracite, Inc.	Joliett	17981
11	K. & D. Breaker	K. & D. Coal Co.	Weigh Scales	17872
12	K. & P. Breaker	K. & P. Coal Co.	Minersville	17954
5	Kassa Breaker	Silverbrook Anthracite, Inc.	Laflin	18702
9	Kerrigan Table Plant	Kerrigan, Paul	Ashland R.D. 1	17921
15	Kocher Breaker	Kocher Coal Co., Inc., Leon E.	Good Spring	17983
15	Legal Breaker	Legal Coal Co.	Good Spring	17983
7	Lion Breaker	Lehigh Valley Anthracite, Inc.	Hazleton	18201
13	Live Oak Breaker	Live Oak Coal Co.	Primrose	17954
12	Lowland Washery	Manbeck Dredging Co., Inc.	Landingville	17942
11	Lower Region Washery	Lower Region Colliery, Inc.	Trevorton Road	17881
12	Iucanna Fine Coal Plant	Ginther Coal Co.	Cumbola	17930
16	Lykens Breaker	Fronk Coal Co., George	Ilykens	17918
13	Lytle Washery	Winne Land Co.	Primrose	17954
9	Malho Breaker	Malho Coal Co.	Lavelle	17913
8	Mammooth Breaker	Lehigh Valley Anthracite, Inc.	Raven Run	17916
7	Maple Hill Cleaning Plant	Reading Anthracite Co.	Maple Hill	17976
13	Maple Spring Breaker	C. L. S. Coal Co.	Branchdale	17923
12	Marlin Breaker	Cass Contracting Co.	Marlin	17951

Dist- rict	Preparation Plant	Company	Location	Zip Code
5	Marvine Sizing Plant	Northwest Mining Co., Inc.	Scranton	18509
7	Mazaika Breaker	Mazaika Brothers Coal Co.	Rush Twp.	18252
16	Meadowbrook Washery	Meadowbrook Coal Co.	Iykins	17948
13	Minersville Breaker	Minersville Coal Co.	Llewellyn	17944
7	Morea Breaker	Lehigh Valley Anthracite, Inc.	Morea	17955
12	Mountain Side Breaker	Mountain Side Coal Co.	South Tamaqua	18252
12	No. 6 Washery	Manbeck Dredging Co., Inc.	Lansford	18232
12	Nesquehoning Cleaning Plant	Correale Construction Co.	Nesquehoning	18240
12	New St. Nicholas Breaker	Reading Anthracite Co.	Seltzer	17974
12	New St. Nicholas Fine Coal Plant	Reading Anthracite Co.	Seltzer	17974
14	Oakwood Breaker	Oakwood Coal Co., Inc.	Pine Grove	17963
13	Old Mill Breaker	Old Mill Coal Yard	Llewellyn	17944
13	Olenick Breaker	Olenick Brothers Coal Co.	Forestville	16035
5	Olyphant Cleaning Plant	Olyphant Premium Anthracite, Inc.	Dickson City	18519
5	O'Toole Sizing Plant	O'Toole, John F.	Moosic	18505
5	Penbrook Breaker	Penbrook Coal Co.	Archibald	18003
5	Perry Avoca Cleaning Plant	Perry Coal Sales Co., Thomas	Avoca	18641
16	Pine Creek Breaker	Pine Creek Coal Co.	Spring Glen	17928
12	Pine Forest Cleaner Plant	Reading Anthracite Co.	Seltzer	17974
12	Premium Fine Coal Plant	Premium Fine Coal Co., Inc.	South Tamaqua	18252
5	Prospect Cleaning Plant	Lehigh Valley Anthracite, Inc.	Plains	18705
12	Randolph Washery	Randolph Coal Co.	Port Carbon	17965
10	Ranshaw Washery	Ranshaw Transportation & Auto Wreckers Co.	Ranshaw	17866
5	Raymond Breaker	Northwest Mining Co., Inc.	Eynon	18718
9	Reichwein & Beury Breaker	Reichwein & Beury Coal Co.	Gordon	17921
11	Reidinger Breaker	Reidinger Coal Service, Inc.	Paxinos	17860
7	Rosa Breaker	Capparell Coal Co., Inc.	Shenandoah	17976
1	S. B. P. Crushing Plant	S. B. P. Coal Co.	Cherry Twp.	18632
7	St. Nicholas Fine Coal Plant	Reading Anthracite Co.	St. Nicholas	17948
12	Salem Creek Breaker	Lehigh Valley Anthracite, Inc.	Pottsville	17901
9	Savitski Breaker	Savitski Brothers Coal Sales	Atlas	17811
11	Schneck Breaker	Schneck Coal Co., Thomas W.	Pine Grove	17963
16	Shomper Breaker	Shomper Coal Co.	Williamstown	17098
12	Silver Creek Breaker	Silver Creek Coal Co., Inc.	New Phila.	17959
11	Slo-Burn Washery	Slo-Burn Coal Co., Inc.	Weigh Scales	17872
12	South Tamaqua Breaker	South Tamaqua Coal Pockets	South Tamaqua	18252
11	Split Vein Breaker	Split Vein Coal Co., Inc.	Weigh Scales	17872
7	Starwood Breaker	Starwood Coal Corp.	New Boston	17958
8	State Breaker	State Coal Co., Inc.	Strong	17879
16	Strohecker Breaker	Strohecker Coal Co.	Elizabethville	17023
10	Sunshine Breaker	Sunshine Coal Co.	Trevorton	17881
16	Superior Breaker	Superior Preparation Co., Inc.	Valley View	17983
13	Swatara Breaker	Swatara Coal Co.	Zerbe	17984
11	Swift Breaker	Swift Coal Sales	Paxinos	17860
5	Taylor Breaker	Moffat Premium Anthracite, Inc.	Taylor	18517
15	Tremont Breaker	Blue Bell Enterprises, Inc.	Tremont	17981
11	Trevorton Breaker	Reading Anthracite Co.	Trevorton	17881
16	Underkoffler Breaker	Underkoffler Coal Sales	Iykins	17048
7	Valley Breaker	Valley Coal Co.	Rush Twp.	18252
5	Waddell Washery	American Silt Processing Co., Inc.	Winton (Jessup)	18134
7	Wesner Breaker	Wesner Coal Co.	Rush Twp.	18252
15	Westwood Washery	Manbeck Dredging Co., Inc.	Joliett	17981
5	Ziffenblatt Cleaning Plant	G. M. C. Energy Fuels	Duryea	18642

\* Formerly the Bar-Mac Breaker

# BITUMINOUS COAL DIVISION STATISTICAL REPORTS